```
No.     Time           Source                Destination           Protocol Length Info
      1 0.000000       10.122.205.2          172.65.229.194        TLSv1.2  175    Application Data
Frame 1: 175 bytes on wire (1400 bits), 175 bytes captured (1400 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.938008000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.938008000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.000000000 seconds]
    Frame Number: 1
    Frame Length: 175 bytes (1400 bits)
    Capture Length: 175 bytes (1400 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 161
    Identification: 0x6150 (24912)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61091, Dst Port: 443, Seq: 1, Ack: 1, Len: 121
    Source Port: 61091
    Destination Port: 443
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 121]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1970565773
    [Next Sequence Number: 122    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1364154669
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
```

```
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6a14 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 121]
        [Bytes sent since last PSH flag: 121]
    TCP payload (121 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 116
        Encrypted Application Data: b95fbe0e7182641a483ce44279e009626af63d1559d3776988dc4a930e6bcc862d4157cc…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
      2 0.000176       10.122.205.2          172.65.229.194        TLSv1.2  159    Application Data
Frame 2: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.938184000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.938184000 seconds
    [Time delta from previous captured frame: 0.000176000 seconds]
    [Time delta from previous displayed frame: 0.000176000 seconds]
    [Time since reference or first frame: 0.000176000 seconds]
    Frame Number: 2
    Frame Length: 159 bytes (1272 bits)
    Capture Length: 159 bytes (1272 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 145
    Identification: 0x6151 (24913)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61091, Dst Port: 443, Seq: 122, Ack: 1, Len: 105
    Source Port: 61091
    Destination Port: 443
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 105]
```

```
    Sequence Number: 122    (relative sequence number)
    Sequence Number (raw): 1970565894
    [Next Sequence Number: 227    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1364154669
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6a04 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000176000 seconds]
        [Time since previous frame in this TCP stream: 0.000176000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 226]
        [Bytes sent since last PSH flag: 105]
    TCP payload (105 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 100
        Encrypted Application Data: 558d8e5975a18f928ac822952dc485aa2ddf31e7f70b9f1c62bd9995d094c2ed9e518092…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
      3 0.003421       172.65.229.194        10.122.205.2          TLSv1.2  102    Application Data
Frame 3: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.941429000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.941429000 seconds
    [Time delta from previous captured frame: 0.003245000 seconds]
    [Time delta from previous displayed frame: 0.003245000 seconds]
    [Time since reference or first frame: 0.003421000 seconds]
    Frame Number: 3
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 88
    Identification: 0xafea (45034)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x3435 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 1, Ack: 1, Len: 48
    Source Port: 443
    Destination Port: 61091
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 48]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1364154669
    [Next Sequence Number: 49    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1970565773
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x96de [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.003421000 seconds]
        [Time since previous frame in this TCP stream: 0.003245000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 48]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: a010e73d9a6a95a4f72c9ecc32a28c310c7d5b99af1bc3ccb5445d275ef5ca55f767a691…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
      4 0.003421       172.65.229.194        10.122.205.2          TLSv1.2  713    Application Data
Frame 4: 713 bytes on wire (5704 bits), 713 bytes captured (5704 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.941429000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.941429000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.003421000 seconds]
    Frame Number: 4
    Frame Length: 713 bytes (5704 bits)
    Capture Length: 713 bytes (5704 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 699
    Identification: 0xafeb (45035)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x31d1 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 49, Ack: 1, Len: 659
    Source Port: 443
    Destination Port: 61091
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 659]
    Sequence Number: 49    (relative sequence number)
    Sequence Number (raw): 1364154717
    [Next Sequence Number: 708    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1970565773
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xc644 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.003421000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 707]
        [Bytes sent since last PSH flag: 659]
    TCP payload (659 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 654
        Encrypted Application Data: b7938db04703239e8eb3dc705a65f52e063a079cbd60667fd512d7e4678a5897e9cbcea3…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
      5 0.003421       172.65.229.194        10.122.205.2          TCP      66     443 → 61093 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=8192
Frame 5: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.941429000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.941429000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.003421000 seconds]
    Frame Number: 5
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xe443 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 4003901938
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 4236997965
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
```

```
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x0804 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 13 (multiply by 8192)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 13
            [Multiplier: 8192]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
      6 0.003569       10.122.205.2          172.65.229.194        TCP      54     61091 → 443 [ACK] Seq=227 Ack=708
Win=510 Len=0
Frame 6: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.941577000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.941577000 seconds
    [Time delta from previous captured frame: 0.000148000 seconds]
    [Time delta from previous displayed frame: 0.000148000 seconds]
    [Time since reference or first frame: 0.003569000 seconds]
    Frame Number: 6
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6152 (24914)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
```

```
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61091, Dst Port: 443, Seq: 227, Ack: 708, Len: 0
    Source Port: 61091
    Destination Port: 443
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 227    (relative sequence number)
    Sequence Number (raw): 1970565999
    [Next Sequence Number: 227    (relative sequence number)]
    Acknowledgment Number: 708    (relative ack number)
    Acknowledgment number (raw): 1364155376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 510]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.003569000 seconds]
        [Time since previous frame in this TCP stream: 0.000148000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 4]
        [The RTT to ACK the segment was: 0.000148000 seconds]
No.     Time           Source                Destination           Protocol Length Info
      7 0.003723       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=1 Ack=1 Win=512
Len=0
Frame 7: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.941731000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.941731000 seconds
    [Time delta from previous captured frame: 0.000154000 seconds]
    [Time delta from previous displayed frame: 0.000154000 seconds]
    [Time since reference or first frame: 0.003723000 seconds]
    Frame Number: 7
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6153 (24915)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4236997965
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 4003901939
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000302000 seconds]
        [Time since previous frame in this TCP stream: 0.000302000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 5]
        [The RTT to ACK the segment was: 0.000302000 seconds]
No.     Time           Source                Destination           Protocol Length Info
      8 0.004102       10.122.205.2          172.65.229.194        TLSv1.3  571    Client Hello
Frame 8: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.942110000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.942110000 seconds
    [Time delta from previous captured frame: 0.000379000 seconds]
    [Time delta from previous displayed frame: 0.000379000 seconds]
    [Time since reference or first frame: 0.004102000 seconds]
    Frame Number: 8
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x6154 (24916)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4236997965
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 4003901939
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6ba0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000681000 seconds]
        [Time since previous frame in this TCP stream: 0.000379000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
```

```
        Length: 508
        Version: TLS 1.2 (0x0303)
        Random: 7634c746b867a56b930fc2e5579f2836d9dac79aa5affe0b5966f08c8d8427a5
        Session ID Length: 32
        Session ID: 3ed7c57bb81eb90034e974079593638baf8670ea024dc7d9958640d2755e53cd
        Cipher Suites Length: 34
        Cipher Suites (17 suites)
            Cipher Suite: Reserved (GREASE) (0x5a5a)
            Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
            Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
            Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
            Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
            Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
            Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
            Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
            Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
            Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
            Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
            Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
            Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
        Compression Methods Length: 1
        Compression Methods (1 method)
            Compression Method: null (0)
        Extensions Length: 401
        Extension: Reserved (GREASE) (len=0)
            Type: Reserved (GREASE) (27242)
            Length: 0
            Data: <MISSING>
        Extension: server_name (len=16)
            Type: server_name (0)
            Length: 16
            Server Name Indication extension
                Server Name list length: 14
                Server Name Type: host_name (0)
                Server Name length: 11
                Server Name: s.deepl.com
        Extension: extended_master_secret (len=0)
            Type: extended_master_secret (23)
            Length: 0
        Extension: renegotiation_info (len=1)
            Type: renegotiation_info (65281)
            Length: 1
            Renegotiation Info extension
                Renegotiation info extension length: 0
        Extension: supported_groups (len=10)
            Type: supported_groups (10)
            Length: 10
            Supported Groups List Length: 8
            Supported Groups (4 groups)
                Supported Group: Reserved (GREASE) (0xbaba)
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: ec_point_formats (len=2)
            Type: ec_point_formats (11)
            Length: 2
            EC point formats Length: 1
            Elliptic curves point formats (1)
                EC point format: uncompressed (0)
        Extension: session_ticket (len=0)
            Type: session_ticket (35)
            Length: 0
            Data (0 bytes)
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: status_request (len=5)
```

```
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
        Signature Hash Algorithms (8 algorithms)
            Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (47802)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
                Key Exchange: d3c864501a52a2380094961ecb8a285c07e22e974637bed68ba4bd09297d066d
    Extension: psk_key_exchange_modes (len=2)
        Type: psk_key_exchange_modes (45)
        Length: 2
        PSK Key Exchange Modes Length: 1
        PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
    Extension: supported_versions (len=7)
        Type: supported_versions (43)
        Length: 7
        Supported Versions length: 6
        Supported Version: Reserved (GREASE) (0x9a9a)
        Supported Version: TLS 1.3 (0x0304)
        Supported Version: TLS 1.2 (0x0303)
    Extension: compress_certificate (len=3)
        Type: compress_certificate (27)
        Length: 3
        Algorithms Length: 2
        Algorithm: brotli (2)
    Extension: application_settings (len=5)
        Type: application_settings (17513)
        Length: 5
        ALPS Extension Length: 3
        Supported ALPN List
            Supported ALPN Length: 2
            Supported ALPN: h2
    Extension: Reserved (GREASE) (len=1)
        Type: Reserved (GREASE) (56026)
        Length: 1
```

```
                Data: 00
            Extension: padding (len=202)
                Type: padding (21)
                Length: 202
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,0-23-65281-10-11-35-16-5-13-18-51-4
            [JA3: 24c42d3e77f06f2a8f47f4ebbbfdfaf4]
No.     Time           Source                Destination           Protocol Length Info
      9 0.022707       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=1 Ack=1 Win=8
Len=0
Frame 9: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:49.960715000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821629.960715000 seconds
    [Time delta from previous captured frame: 0.018605000 seconds]
    [Time delta from previous displayed frame: 0.018605000 seconds]
    [Time since reference or first frame: 0.022707000 seconds]
    Frame Number: 9
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xaa5b (43611)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39f4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 1, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1923117108
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x2564 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     10 0.255961       172.65.229.194        10.122.205.2          TCP      60     443 → 61091 [ACK] Seq=708 Ack=122
Win=8 Len=0
Frame 10: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.193969000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.193969000 seconds
    [Time delta from previous captured frame: 0.233254000 seconds]
    [Time delta from previous displayed frame: 0.233254000 seconds]
    [Time since reference or first frame: 0.255961000 seconds]
    Frame Number: 10
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xafec (45036)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x3463 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 708, Ack: 122, Len: 0
    Source Port: 443
    Destination Port: 61091
```

```
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 708    (relative sequence number)
    Sequence Number (raw): 1364155376
    [Next Sequence Number: 708    (relative sequence number)]
    Acknowledgment Number: 122    (relative ack number)
    Acknowledgment number (raw): 1970565894
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xc032 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.255961000 seconds]
        [Time since previous frame in this TCP stream: 0.252392000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 1]
        [The RTT to ACK the segment was: 0.255961000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     11 0.255961       172.65.229.194        10.122.205.2          TCP      60     443 → 61091 [ACK] Seq=708 Ack=227
Win=8 Len=0
Frame 11: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.193969000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.193969000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.255961000 seconds]
    Frame Number: 11
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xafed (45037)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x3462 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 708, Ack: 227, Len: 0
    Source Port: 443
    Destination Port: 61091
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 708    (relative sequence number)
    Sequence Number (raw): 1364155376
    [Next Sequence Number: 708    (relative sequence number)]
    Acknowledgment Number: 227    (relative ack number)
    Acknowledgment number (raw): 1970565999
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xbfc9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.255961000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 2]
        [The RTT to ACK the segment was: 0.255785000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     12 0.255961       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=1 Ack=518
Win=65536 Len=0
Frame 12: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.193969000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.193969000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.255961000 seconds]
    Frame Number: 12
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88b3 (34995)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b9c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 1, Ack: 518, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4003901939
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x4172 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.252540000 seconds]
        [Time since previous frame in this TCP stream: 0.251859000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 8]
        [The RTT to ACK the segment was: 0.251859000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     13 0.304696       10.122.205.2          172.65.229.194        TCP      66     61094 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 13: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.242704000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.242704000 seconds
    [Time delta from previous captured frame: 0.048735000 seconds]
    [Time delta from previous displayed frame: 0.048735000 seconds]
```

```
    [Time since reference or first frame: 0.304696000 seconds]
    Frame Number: 13
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6155 (24917)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2580720024
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
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        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     14 0.361942       172.65.229.194        10.122.205.2          TLSv1.2  102    Application Data
Frame 14: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.299950000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.299950000 seconds
    [Time delta from previous captured frame: 0.057246000 seconds]
    [Time delta from previous displayed frame: 0.057246000 seconds]
    [Time since reference or first frame: 0.361942000 seconds]
    Frame Number: 14
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0xafee (45038)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x3431 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 708, Ack: 227, Len: 48
    Source Port: 443
    Destination Port: 61091
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 48]
    Sequence Number: 708    (relative sequence number)
    Sequence Number (raw): 1364155376
```

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    [Next Sequence Number: 756    (relative sequence number)]
    Acknowledgment Number: 227    (relative ack number)
    Acknowledgment number (raw): 1970565999
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x5313 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.361942000 seconds]
        [Time since previous frame in this TCP stream: 0.105981000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 48]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: 7cf7b8ce04a612235d17d63211dba73b8b3bfe9b9ea9f6791eadfa007aeb8aa5c62f21d0…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     15 0.366404       172.65.229.194        10.122.205.2          TLSv1.2  713    Application Data
Frame 15: 713 bytes on wire (5704 bits), 713 bytes captured (5704 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.304412000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.304412000 seconds
    [Time delta from previous captured frame: 0.004462000 seconds]
    [Time delta from previous displayed frame: 0.004462000 seconds]
    [Time since reference or first frame: 0.366404000 seconds]
    Frame Number: 15
    Frame Length: 713 bytes (5704 bits)
    Capture Length: 713 bytes (5704 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 699
    Identification: 0xafef (45039)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x31cd [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61091, Seq: 756, Ack: 227, Len: 659
    Source Port: 443
    Destination Port: 61091
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 659]
    Sequence Number: 756    (relative sequence number)
    Sequence Number (raw): 1364155424
    [Next Sequence Number: 1415    (relative sequence number)]
    Acknowledgment Number: 227    (relative ack number)
    Acknowledgment number (raw): 1970565999
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6326 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366404000 seconds]
        [Time since previous frame in this TCP stream: 0.004462000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 707]
        [Bytes sent since last PSH flag: 659]
    TCP payload (659 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 654
        Encrypted Application Data: fa90223a64fb369df09af74e2f909845def46f75baec02d62d843b505e86463c809e5f05…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     16 0.366452       10.122.205.2          172.65.229.194        TCP      54     61091 → 443 [ACK] Seq=227 Ack=1415
Win=512 Len=0
Frame 16: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.304460000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.304460000 seconds
    [Time delta from previous captured frame: 0.000048000 seconds]
    [Time delta from previous displayed frame: 0.000048000 seconds]
    [Time since reference or first frame: 0.366452000 seconds]
    Frame Number: 16
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6156 (24918)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61091, Dst Port: 443, Seq: 227, Ack: 1415, Len: 0
    Source Port: 61091
    Destination Port: 443
    [Stream index: 0]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 227    (relative sequence number)
    Sequence Number (raw): 1970565999
    [Next Sequence Number: 227    (relative sequence number)]
    Acknowledgment Number: 1415    (relative ack number)
    Acknowledgment number (raw): 1364156083
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366452000 seconds]
        [Time since previous frame in this TCP stream: 0.000048000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 15]
        [The RTT to ACK the segment was: 0.000048000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     17 0.380026       172.65.229.194        10.122.205.2          TLSv1.2  120    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 17: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318034000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318034000 seconds
    [Time delta from previous captured frame: 0.013574000 seconds]
    [Time delta from previous displayed frame: 0.013574000 seconds]
    [Time since reference or first frame: 0.380026000 seconds]
    Frame Number: 17
    Frame Length: 120 bytes (960 bits)
    Capture Length: 120 bytes (960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 106
    Identification: 0xaa5d (43613)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39b0 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 1383, Ack: 1, Len: 66
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 66]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1923118490
    [Next Sequence Number: 1449    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xd088 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.357319000 seconds]
        [Time since previous frame in this TCP stream: 0.357319000 seconds]
    [SEQ/ACK analysis]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (66 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
     18 0.380187       10.122.205.2          172.65.229.194        TCP      66     61092 → 443 [ACK] Seq=1 Ack=1 Win=512
Len=0 SLE=1383 SRE=1449
Frame 18: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318195000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318195000 seconds
    [Time delta from previous captured frame: 0.000161000 seconds]
    [Time delta from previous displayed frame: 0.000161000 seconds]
    [Time since reference or first frame: 0.380187000 seconds]
    Frame Number: 18
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6157 (24919)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 650585836
```

```
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1923117108
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 1383-1449
            Kind: SACK (5)
            Length: 10
            left edge = 1383 (relative)
            right edge = 1449 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357480000 seconds]
        [Time since previous frame in this TCP stream: 0.000161000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     19 0.380335       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61092 [ACK]
Seq=1 Ack=1 Win=8 Len=1382
Frame 19: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318343000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318343000 seconds
    [Time delta from previous captured frame: 0.000148000 seconds]
    [Time delta from previous displayed frame: 0.000148000 seconds]
    [Time since reference or first frame: 0.380335000 seconds]
    Frame Number: 19
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xaa5c (43612)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x348d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 1, Ack: 1, Len: 1382
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1923117108
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x36af [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357628000 seconds]
        [Time since previous frame in this TCP stream: 0.000148000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
     20 0.380335       172.65.229.194        10.122.205.2          TLSv1.2  1436   Ignored Unknown Record
Frame 20: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318343000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318343000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.380335000 seconds]
    Frame Number: 20
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xaa5e (43614)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x348b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 1449, Ack: 1, Len: 1382
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 1449    (relative sequence number)
    Sequence Number (raw): 1923118556
    [Next Sequence Number: 2831    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x9868 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357628000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
     21 0.380335       172.65.229.194        10.122.205.2          TLSv1.2  120    Ignored Unknown Record
```

```
Frame 21: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318343000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318343000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.380335000 seconds]
    Frame Number: 21
    Frame Length: 120 bytes (960 bits)
    Capture Length: 120 bytes (960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 106
    Identification: 0xaa5f (43615)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39ae [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 2831, Ack: 1, Len: 66
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 66]
    Sequence Number: 2831    (relative sequence number)
    Sequence Number (raw): 1923119938
    [Next Sequence Number: 2897    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
```

```
    Checksum: 0x7495 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357628000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2830]
        [Bytes sent since last PSH flag: 2830]
    TCP payload (66 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
     22 0.380335       172.65.229.194        10.122.205.2          TLSv1.2  1339   Ignored Unknown Record
Frame 22: 1339 bytes on wire (10712 bits), 1339 bytes captured (10712 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318343000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318343000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.380335000 seconds]
    Frame Number: 22
    Frame Length: 1339 bytes (10712 bits)
    Capture Length: 1339 bytes (10712 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1325
    Identification: 0xaa60 (43616)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x34ea [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 2897, Ack: 1, Len: 1285
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1285]
    Sequence Number: 2897    (relative sequence number)
    Sequence Number (raw): 1923120004
    [Next Sequence Number: 4182    (relative sequence number)]
```

```
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 650585836
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xc761 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357628000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 4115]
        [Bytes sent since last PSH flag: 1285]
    TCP payload (1285 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
     23 0.380478       10.122.205.2          172.65.229.194        TCP      54     61092 → 443 [ACK] Seq=1 Ack=1449
Win=512 Len=0
Frame 23: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318486000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318486000 seconds
    [Time delta from previous captured frame: 0.000143000 seconds]
    [Time delta from previous displayed frame: 0.000143000 seconds]
    [Time since reference or first frame: 0.380478000 seconds]
    Frame Number: 23
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6158 (24920)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 1, Ack: 1449, Len: 0
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 650585836
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1449    (relative ack number)
    Acknowledgment number (raw): 1923118556
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357771000 seconds]
        [Time since previous frame in this TCP stream: 0.000143000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 17]
        [The RTT to ACK the segment was: 0.000452000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     24 0.380606       10.122.205.2          172.65.229.194        TCP      54     61092 → 443 [ACK] Seq=1 Ack=4182
Win=512 Len=0
Frame 24: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.318614000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.318614000 seconds
    [Time delta from previous captured frame: 0.000128000 seconds]
    [Time delta from previous displayed frame: 0.000128000 seconds]
    [Time since reference or first frame: 0.380606000 seconds]
    Frame Number: 24
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6159 (24921)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 1, Ack: 4182, Len: 0
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 650585836
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1923121289
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.357899000 seconds]
        [Time since previous frame in this TCP stream: 0.000128000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 22]
        [The RTT to ACK the segment was: 0.000271000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     25 0.382360       10.122.205.2          172.65.229.194        TLSv1.2  118    Change Cipher Spec, Application Data
Frame 25: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.320368000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.320368000 seconds
    [Time delta from previous captured frame: 0.001754000 seconds]
    [Time delta from previous displayed frame: 0.001754000 seconds]
    [Time since reference or first frame: 0.382360000 seconds]
    Frame Number: 25
    Frame Length: 118 bytes (944 bits)
```

```
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 104
    Identification: 0x615a (24922)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 1, Ack: 4182, Len: 64
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 64]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 650585836
    [Next Sequence Number: 65    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1923121289
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69db [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.359653000 seconds]
        [Time since previous frame in this TCP stream: 0.001754000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 64]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
```

```
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: cf46fb891766e3214bef6624efb86b9038d13781d4d81a1a5dd1ff2bc7bbbaf605fc225d…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     26 0.382767       10.122.205.2          172.65.229.194        TLSv1.2  152    Application Data
Frame 26: 152 bytes on wire (1216 bits), 152 bytes captured (1216 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.320775000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.320775000 seconds
    [Time delta from previous captured frame: 0.000407000 seconds]
    [Time delta from previous displayed frame: 0.000407000 seconds]
    [Time since reference or first frame: 0.382767000 seconds]
    Frame Number: 26
    Frame Length: 152 bytes (1216 bits)
    Capture Length: 152 bytes (1216 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 138
    Identification: 0x615b (24923)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 65, Ack: 4182, Len: 98
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 98]
    Sequence Number: 65    (relative sequence number)
    Sequence Number (raw): 650585900
    [Next Sequence Number: 163    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1923121289
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69fd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.360060000 seconds]
        [Time since previous frame in this TCP stream: 0.000407000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 162]
        [Bytes sent since last PSH flag: 98]
    TCP payload (98 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 93
        Encrypted Application Data: f0860ebfac3b22b4cfa3feb79fad7eb93d981308bbc257ca733a6a9769654d53f8f14818…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     27 0.383018       10.122.205.2          172.65.229.194        TLSv1.2  466    Application Data
Frame 27: 466 bytes on wire (3728 bits), 466 bytes captured (3728 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.321026000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.321026000 seconds
    [Time delta from previous captured frame: 0.000251000 seconds]
    [Time delta from previous displayed frame: 0.000251000 seconds]
    [Time since reference or first frame: 0.383018000 seconds]
    Frame Number: 27
    Frame Length: 466 bytes (3728 bits)
    Capture Length: 466 bytes (3728 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 452
    Identification: 0x615c (24924)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
```

```
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 163, Ack: 4182, Len: 412
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 412]
    Sequence Number: 163    (relative sequence number)
    Sequence Number (raw): 650585998
    [Next Sequence Number: 575    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1923121289
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6b37 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.360311000 seconds]
        [Time since previous frame in this TCP stream: 0.000251000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 574]
        [Bytes sent since last PSH flag: 412]
    TCP payload (412 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 407
        Encrypted Application Data: c15d16e01837fbb868c965470548009f8d47ade1f32c3766d5082d6a9fb86217ffc888fe…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     28 0.383068       10.122.205.2          172.65.229.194        TLSv1.2  153    Application Data
Frame 28: 153 bytes on wire (1224 bits), 153 bytes captured (1224 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.321076000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.321076000 seconds
    [Time delta from previous captured frame: 0.000050000 seconds]
    [Time delta from previous displayed frame: 0.000050000 seconds]
    [Time since reference or first frame: 0.383068000 seconds]
    Frame Number: 28
    Frame Length: 153 bytes (1224 bits)
    Capture Length: 153 bytes (1224 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 139
    Identification: 0x615d (24925)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 575, Ack: 4182, Len: 99
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 99]
    Sequence Number: 575    (relative sequence number)
    Sequence Number (raw): 650586410
    [Next Sequence Number: 674    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1923121289
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69fe [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.360361000 seconds]
        [Time since previous frame in this TCP stream: 0.000050000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 673]
        [Bytes sent since last PSH flag: 99]
    TCP payload (99 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 94
        Encrypted Application Data: 29390688334df4f9100485f0d70c3424fcaaf2ab9ff7562dff972224d13f30918c1b67b9…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     29 0.562899       172.65.229.194        10.122.205.2          TCP      66     443 → 61094 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=8192
Frame 29: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821630.500907000 seconds
    [Time delta from previous captured frame: 0.179831000 seconds]
    [Time delta from previous displayed frame: 0.179831000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 29
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xe443 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3874394282
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2580720025
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x5f70 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
```

```
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 13 (multiply by 8192)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 13
            [Multiplier: 8192]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.258203000 seconds]
        [Time since previous frame in this TCP stream: 0.258203000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 13]
        [The RTT to ACK the segment was: 0.258203000 seconds]
        [iRTT: 0.258396000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     30 0.562899       172.65.229.194        10.122.205.2          TLSv1.3  1436   Server Hello, Change Cipher Spec,
Application Data
Frame 30: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.500907000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 30
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x88b4 (34996)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5635 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
```

```
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4003901939
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd3fb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559478000 seconds]
        [Time since previous frame in this TCP stream: 0.306938000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 33]
    TCP segment data (1208 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Server Hello
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 122
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 118
            Version: TLS 1.2 (0x0303)
            Random: 40612c1927f98b89d7c05bd35f88a14b00c2a684a8c99650769433264f955074
            Session ID Length: 32
            Session ID: 3ed7c57bb81eb90034e974079593638baf8670ea024dc7d9958640d2755e53cd
            Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
            Compression Method: null (0)
            Extensions Length: 46
            Extension: supported_versions (len=2)
                Type: supported_versions (43)
                Length: 2
                Supported Version: TLS 1.3 (0x0304)
            Extension: key_share (len=36)
                Type: key_share (51)
                Length: 36
                Key Share extension
                    Key Share Entry: Group: x25519, Key Exchange length: 32
                        Group: x25519 (29)
                        Key Exchange Length: 32
                        Key Exchange: b028d1113c2ac31218b5f7c228d188b0946d1480fb3561d6681f2f94e8746932
            [JA3S Fullstring: 771,4865,43-51]
            [JA3S: f4febc55ea12b31ae17cfb7e614afda8]
    TLSv1.3 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
```

```
        Length: 36
        Encrypted Application Data: 8042474e3cdc85e35b464744d5fbb3dbf86c130be81aa4fb5b33d0847ce2e9641b5f1012
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     31 0.562899       172.65.229.194        10.122.205.2          TCP      720    443 → 61093 [PSH, ACK] Seq=1383
Ack=518 Win=65536 Len=666 [TCP segment of a reassembled PDU]
Frame 31: 720 bytes on wire (5760 bits), 720 bytes captured (5760 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.500907000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 31
    Frame Length: 720 bytes (5760 bits)
    Capture Length: 720 bytes (5760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 706
    Identification: 0x88b5 (34997)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5900 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 1383, Ack: 518, Len: 666
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 666]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 4003903321
    [Next Sequence Number: 2049    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xce82 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559478000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2048]
        [Bytes sent since last PSH flag: 2048]
    TCP payload (666 bytes)
    [Reassembled PDU in frame: 33]
    TCP segment data (666 bytes)
No.     Time           Source                Destination           Protocol Length Info
     32 0.562899       172.65.229.194        10.122.205.2          TCP      1436   443 → 61093 [ACK] Seq=2049 Ack=518
Win=65536 Len=1382 [TCP segment of a reassembled PDU]
Frame 32: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.500907000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 32
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x88b6 (34998)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5633 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 2049, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
```

```
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 1382]
    Sequence Number: 2049    (relative sequence number)
    Sequence Number (raw): 4003903987
    [Next Sequence Number: 3431    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xb881 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559478000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 3430]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 33]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
     33 0.562899       172.65.229.194        10.122.205.2          TLSv1.3  720    Application Data
Frame 33: 720 bytes on wire (5760 bits), 720 bytes captured (5760 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.500907000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 33
    Frame Length: 720 bytes (5760 bits)
    Capture Length: 720 bytes (5760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 706
    Identification: 0x88b7 (34999)
    010. .... = Flags: 0x2, Don't fragment
```

```
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x58fe [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 3431, Ack: 518, Len: 666
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 666]
    Sequence Number: 3431    (relative sequence number)
    Sequence Number (raw): 4003905369
    [Next Sequence Number: 4097    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdad8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559478000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 4096]
        [Bytes sent since last PSH flag: 2048]
    TCP payload (666 bytes)
    TCP segment data (407 bytes)
    [Reassembled PDU in frame: 34]
    TCP segment data (259 bytes)
[4 Reassembled TCP Segments (3663 bytes): #30(1208), #31(666), #32(1382), #33(407)]
    [Frame: 30, payload: 0-1207 (1208 bytes)]
    [Frame: 31, payload: 1208-1873 (666 bytes)]
    [Frame: 32, payload: 1874-3255 (1382 bytes)]
    [Frame: 33, payload: 3256-3662 (407 bytes)]
    [Segment count: 4]
    [Reassembled TCP length: 3663]
    [Reassembled TCP Data: 1703030e4ae979201b4a0a5f906a1c9b4aced7aedb39b81371ed5d833713869d2eac02c9…]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3658
        Encrypted Application Data: e979201b4a0a5f906a1c9b4aced7aedb39b81371ed5d833713869d2eac02c93dd763d562…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     34 0.562899       172.65.229.194        10.122.205.2          TLSv1.3  139    Application Data, Application Data
Frame 34: 139 bytes on wire (1112 bits), 139 bytes captured (1112 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.500907000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.500907000 seconds
```

```
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.562899000 seconds]
    Frame Number: 34
    Frame Length: 139 bytes (1112 bits)
    Capture Length: 139 bytes (1112 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 125
    Identification: 0x88b8 (35000)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b42 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4097, Ack: 518, Len: 85
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 85]
    Sequence Number: 4097    (relative sequence number)
    Sequence Number (raw): 4003906035
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4236998482
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x64d4 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559478000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 4181]
        [Bytes sent since last PSH flag: 85]
    TCP payload (85 bytes)
```

```
    TCP segment data (27 bytes)
[2 Reassembled TCP Segments (286 bytes): #33(259), #34(27)]
    [Frame: 33, payload: 0-258 (259 bytes)]
    [Frame: 34, payload: 259-285 (27 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 286]
    [Reassembled TCP Data: 1703030119a15cf94c2e1e8074151f4c8d7d748b33fd5331c958cd90331fabe9ae914d1b…]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 281
        Encrypted Application Data: a15cf94c2e1e8074151f4c8d7d748b33fd5331c958cd90331fabe9ae914d1beb40745f6a…
        [Application Data Protocol: Hypertext Transfer Protocol]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: ed01c8f5d440bff76b9244fc0162f31f24b03774b467b965c241f766bc82fe6d539b0ea0…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     35 0.563092       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 35: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.501100000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.501100000 seconds
    [Time delta from previous captured frame: 0.000193000 seconds]
    [Time delta from previous displayed frame: 0.000193000 seconds]
    [Time since reference or first frame: 0.563092000 seconds]
    Frame Number: 35
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x615e (24926)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61094
```

```
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2580720025
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3874394283
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.258396000 seconds]
        [Time since previous frame in this TCP stream: 0.000193000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 29]
        [The RTT to ACK the segment was: 0.000193000 seconds]
        [iRTT: 0.258396000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     36 0.563177       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=518 Ack=4182
Win=512 Len=0
Frame 36: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.501185000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.501185000 seconds
    [Time delta from previous captured frame: 0.000085000 seconds]
    [Time delta from previous displayed frame: 0.000085000 seconds]
    [Time since reference or first frame: 0.563177000 seconds]
    Frame Number: 36
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
```

```
    Identification: 0x615f (24927)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 518, Ack: 4182, Len: 0
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 4236998482
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 4003906120
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559756000 seconds]
        [Time since previous frame in this TCP stream: 0.000278000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 34]
        [The RTT to ACK the segment was: 0.000278000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     37 0.563381       10.122.205.2          172.65.229.194        TLSv1.3  571    Client Hello
Frame 37: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.501389000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.501389000 seconds
    [Time delta from previous captured frame: 0.000204000 seconds]
    [Time delta from previous displayed frame: 0.000204000 seconds]
    [Time since reference or first frame: 0.563381000 seconds]
    Frame Number: 37
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x6160 (24928)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2580720025
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3874394283
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6ba0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.258685000 seconds]
        [Time since previous frame in this TCP stream: 0.000289000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.258396000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 745685dc04fccdb505583f44db114c2d604585e7067ec429d6ba8341116e53ff
            Session ID Length: 32
            Session ID: ad1d0b348d5f3b49445abd7cf72b251fc2966c5657b4c67a96adbe441093ae19
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xdada)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
```

```
        Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
        Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
        Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
        Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
        Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
        Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
        Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
        Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
        Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
        Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
        Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
    Compression Methods Length: 1
    Compression Methods (1 method)
        Compression Method: null (0)
    Extensions Length: 401
    Extension: Reserved (GREASE) (len=0)
        Type: Reserved (GREASE) (6682)
        Length: 0
        Data: <MISSING>
    Extension: server_name (len=16)
        Type: server_name (0)
        Length: 16
        Server Name Indication extension
            Server Name list length: 14
            Server Name Type: host_name (0)
            Server Name length: 11
            Server Name: s.deepl.com
    Extension: extended_master_secret (len=0)
        Type: extended_master_secret (23)
        Length: 0
    Extension: renegotiation_info (len=1)
        Type: renegotiation_info (65281)
        Length: 1
        Renegotiation Info extension
            Renegotiation info extension length: 0
    Extension: supported_groups (len=10)
        Type: supported_groups (10)
        Length: 10
        Supported Groups List Length: 8
        Supported Groups (4 groups)
            Supported Group: Reserved (GREASE) (0x1a1a)
            Supported Group: x25519 (0x001d)
            Supported Group: secp256r1 (0x0017)
            Supported Group: secp384r1 (0x0018)
    Extension: ec_point_formats (len=2)
        Type: ec_point_formats (11)
        Length: 2
        EC point formats Length: 1
        Elliptic curves point formats (1)
            EC point format: uncompressed (0)
    Extension: session_ticket (len=0)
        Type: session_ticket (35)
        Length: 0
        Data (0 bytes)
    Extension: application_layer_protocol_negotiation (len=14)
        Type: application_layer_protocol_negotiation (16)
        Length: 14
        ALPN Extension Length: 12
        ALPN Protocol
            ALPN string length: 2
            ALPN Next Protocol: h2
            ALPN string length: 8
            ALPN Next Protocol: http/1.1
    Extension: status_request (len=5)
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
```

```
            Signature Hash Algorithms (8 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: signed_certificate_timestamp (len=0)
            Type: signed_certificate_timestamp (18)
            Length: 0
        Extension: key_share (len=43)
            Type: key_share (51)
            Length: 43
            Key Share extension
                Client Key Share Length: 41
                Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                    Group: Reserved (GREASE) (6682)
                    Key Exchange Length: 1
                    Key Exchange: 00
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: 5d6a27f2d58e80c2848ccddc89a49328c327599e05d63113ba87fb738c224a61
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: supported_versions (len=7)
            Type: supported_versions (43)
            Length: 7
            Supported Versions length: 6
            Supported Version: Reserved (GREASE) (0xbaba)
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
            Algorithms Length: 2
            Algorithm: brotli (2)
        Extension: application_settings (len=5)
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: Reserved (GREASE) (len=1)
            Type: Reserved (GREASE) (31354)
            Length: 1
            Data: 00
        Extension: padding (len=202)
            Type: padding (21)
            Length: 202
            Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
        [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,0-23-65281-10-11-35-16-5-13-18-51-4
        [JA3: 24c42d3e77f06f2a8f47f4ebbbfdfaf4]
No.     Time           Source                Destination           Protocol Length Info
```

```
     38 0.564647       10.122.205.2          172.65.229.194        TLSv1.3  118    Change Cipher Spec, Application Data
Frame 38: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.502655000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.502655000 seconds
    [Time delta from previous captured frame: 0.001266000 seconds]
    [Time delta from previous displayed frame: 0.001266000 seconds]
    [Time since reference or first frame: 0.564647000 seconds]
    Frame Number: 38
    Frame Length: 118 bytes (944 bits)
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 104
    Identification: 0x6161 (24929)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 518, Ack: 4182, Len: 64
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 64]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 4236998482
    [Next Sequence Number: 582    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 4003906120
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
```

```
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69db [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.561226000 seconds]
        [Time since previous frame in this TCP stream: 0.001470000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 64]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: 15858ae64052bdbdc7f058d9de02c34ac71ff19a667354939c7ec652ddf7107316943a87…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     39 0.564828       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [FIN, ACK] Seq=518 Ack=1
Win=131072 Len=0
Frame 39: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.502836000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.502836000 seconds
    [Time delta from previous captured frame: 0.000181000 seconds]
    [Time delta from previous displayed frame: 0.000181000 seconds]
    [Time since reference or first frame: 0.564828000 seconds]
    Frame Number: 39
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6162 (24930)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
```

```
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 518, Ack: 1, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2580720542
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3874394283
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame initiates the connection closing]
                [This frame initiates the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.260132000 seconds]
        [Time since previous frame in this TCP stream: 0.001447000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     40 0.564958       10.122.205.2          172.65.229.194        TLSv1.3  152    Application Data
Frame 40: 152 bytes on wire (1216 bits), 152 bytes captured (1216 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.502966000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.502966000 seconds
    [Time delta from previous captured frame: 0.000130000 seconds]
    [Time delta from previous displayed frame: 0.000130000 seconds]
    [Time since reference or first frame: 0.564958000 seconds]
    Frame Number: 40
    Frame Length: 152 bytes (1216 bits)
    Capture Length: 152 bytes (1216 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 138
    Identification: 0x6163 (24931)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 582, Ack: 4182, Len: 98
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 98]
    Sequence Number: 582    (relative sequence number)
    Sequence Number (raw): 4236998546
    [Next Sequence Number: 680    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 4003906120
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69fd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.561537000 seconds]
        [Time since previous frame in this TCP stream: 0.000311000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 162]
        [Bytes sent since last PSH flag: 98]
    TCP payload (98 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 93
        Encrypted Application Data: f240a05aaa5e04955e02a82124865091451ebdcdcd7290b7d28e2e05ebd8cbbd1fc93942…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     41 0.565174       10.122.205.2          172.65.229.194        TLSv1.3  437    Application Data
Frame 41: 437 bytes on wire (3496 bits), 437 bytes captured (3496 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.503182000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.503182000 seconds
    [Time delta from previous captured frame: 0.000216000 seconds]
    [Time delta from previous displayed frame: 0.000216000 seconds]
    [Time since reference or first frame: 0.565174000 seconds]
    Frame Number: 41
    Frame Length: 437 bytes (3496 bits)
```

```
    Capture Length: 437 bytes (3496 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 423
    Identification: 0x6164 (24932)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 680, Ack: 4182, Len: 383
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 383]
    Sequence Number: 680    (relative sequence number)
    Sequence Number (raw): 4236998644
    [Next Sequence Number: 1063    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 4003906120
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6b1a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.561753000 seconds]
        [Time since previous frame in this TCP stream: 0.000216000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 545]
        [Bytes sent since last PSH flag: 383]
    TCP payload (383 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 378
```

```
        Encrypted Application Data: 55f9c343168d3400e66ea37ba036c26d697dc8a28a737385d90836acf0d7bdf2db048abc…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     42 0.565241       10.122.205.2          172.65.229.194        TLSv1.3  124    Application Data
Frame 42: 124 bytes on wire (992 bits), 124 bytes captured (992 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.503249000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.503249000 seconds
    [Time delta from previous captured frame: 0.000067000 seconds]
    [Time delta from previous displayed frame: 0.000067000 seconds]
    [Time since reference or first frame: 0.565241000 seconds]
    Frame Number: 42
    Frame Length: 124 bytes (992 bits)
    Capture Length: 124 bytes (992 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 110
    Identification: 0x6165 (24933)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1063, Ack: 4182, Len: 70
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 70]
    Sequence Number: 1063    (relative sequence number)
    Sequence Number (raw): 4236999027
    [Next Sequence Number: 1133    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 4003906120
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69e1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.561820000 seconds]
        [Time since previous frame in this TCP stream: 0.000067000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 615]
        [Bytes sent since last PSH flag: 70]
    TCP payload (70 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 65
        Encrypted Application Data: ebfc11f541d63bf6decaddc8c7dafdcb9bdaa118d53e4656e03f494123c29dfd467684db…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     43 0.567098       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=4182 Ack=65
Win=8 Len=0
Frame 43: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.505106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.505106000 seconds
    [Time delta from previous captured frame: 0.001857000 seconds]
    [Time delta from previous displayed frame: 0.001857000 seconds]
    [Time since reference or first frame: 0.567098000 seconds]
    Frame Number: 43
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xaa61 (43617)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39ee [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4182, Ack: 65, Len: 0
```

```
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1923121289
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 65    (relative ack number)
    Acknowledgment number (raw): 650585900
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x14cf [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.544391000 seconds]
        [Time since previous frame in this TCP stream: 0.184030000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 25]
        [The RTT to ACK the segment was: 0.184738000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     44 0.567098       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=4182 Ack=163
Win=8 Len=0
Frame 44: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.505106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.505106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.567098000 seconds]
    Frame Number: 44
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 40
    Identification: 0xaa62 (43618)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39ed [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4182, Ack: 163, Len: 0
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1923121289
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 163    (relative ack number)
    Acknowledgment number (raw): 650585998
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x146d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.544391000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 26]
        [The RTT to ACK the segment was: 0.184331000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     45 0.567098       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=4182 Ack=575
Win=8 Len=0
Frame 45: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.505106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.505106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.567098000 seconds]
    Frame Number: 45
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xaa63 (43619)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39ec [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4182, Ack: 575, Len: 0
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1923121289
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 575    (relative ack number)
    Acknowledgment number (raw): 650586410
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x12d1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.544391000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 27]
        [The RTT to ACK the segment was: 0.184080000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     46 0.567098       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=4182 Ack=674
Win=8 Len=0
Frame 46: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.505106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.505106000 seconds
```

```
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.567098000 seconds]
    Frame Number: 46
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xaa64 (43620)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39eb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4182, Ack: 674, Len: 0
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1923121289
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x126e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.544391000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 28]
        [The RTT to ACK the segment was: 0.184030000 seconds]
```

```
No.     Time           Source                Destination           Protocol Length Info
     47 0.766622       172.65.229.194        10.122.205.2          TLSv1.2  309    Application Data
Frame 47: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.199524000 seconds]
    [Time delta from previous displayed frame: 0.199524000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 47
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0xaa65 (43621)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x38eb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4182, Ack: 674, Len: 255
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 255]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1923121289
    [Next Sequence Number: 4437    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
```

```
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x4e70 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743915000 seconds]
        [Time since previous frame in this TCP stream: 0.199524000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 255]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
        Encrypted Application Data: 21cbda85a214e64e103912d1f769cdffe4e67d3bc3184b51495120385558e2b03082d5bd…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     48 0.766622       172.65.229.194        10.122.205.2          TLSv1.2  309    Application Data
Frame 48: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 48
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0xaa66 (43622)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x38ea [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4437, Ack: 674, Len: 255
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 255]
```

```
    Sequence Number: 4437    (relative sequence number)
    Sequence Number (raw): 1923121544
    [Next Sequence Number: 4692    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x55c5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743915000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 510]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
        Encrypted Application Data: 53ce8ad5436c9e12888e2f09240a1bfe8aa55d82ed6ab544a2ed5ccb60af13dade5bdecf…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     49 0.766622       172.65.229.194        10.122.205.2          TLSv1.2  118    Application Data
Frame 49: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 49
    Frame Length: 118 bytes (944 bits)
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 104
    Identification: 0xaa67 (43623)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39a8 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4692, Ack: 674, Len: 64
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 64]
    Sequence Number: 4692    (relative sequence number)
    Sequence Number (raw): 1923121799
    [Next Sequence Number: 4756    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x917b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743915000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 574]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 59
        Encrypted Application Data: 3c5ab4a7eb3bc0f93cb8da6edc7ad07d600d741520911f6946f472f21e727843263a9442…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     50 0.766622       172.65.229.194        10.122.205.2          TLSv1.2  548    Application Data
Frame 50: 548 bytes on wire (4384 bits), 548 bytes captured (4384 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 50
    Frame Length: 548 bytes (4384 bits)
    Capture Length: 548 bytes (4384 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 534
    Identification: 0xaa68 (43624)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x37f9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 4756, Ack: 674, Len: 494
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 494]
    Sequence Number: 4756    (relative sequence number)
    Sequence Number (raw): 1923121863
    [Next Sequence Number: 5250    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x02e1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743915000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1068]
        [Bytes sent since last PSH flag: 494]
    TCP payload (494 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 489
        Encrypted Application Data: 8db99139470ff43d11d91e09ee6d641ac99e87f6464193321eb4334e636ea60dea943aba…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
     51 0.766622       172.65.229.194        10.122.205.2          TLSv1.2  543    Application Data
Frame 51: 543 bytes on wire (4344 bits), 543 bytes captured (4344 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 51
    Frame Length: 543 bytes (4344 bits)
    Capture Length: 543 bytes (4344 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 529
    Identification: 0xaa69 (43625)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x37fd [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 5250, Ack: 674, Len: 489
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 489]
    Sequence Number: 5250    (relative sequence number)
    Sequence Number (raw): 1923122357
    [Next Sequence Number: 5739    (relative sequence number)]
    Acknowledgment Number: 674    (relative ack number)
    Acknowledgment number (raw): 650586509
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 8]
```

```
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xa2e8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743915000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1557]
        [Bytes sent since last PSH flag: 489]
    TCP payload (489 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 484
        Encrypted Application Data: 1f9da29b57ed20feb37a0a122f94d71d0687ba861a688e11f79a4e48f6d1e5cebc4a621c…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     52 0.766622       172.65.229.194        10.122.205.2          TCP      60     443 → 61094 [ACK] Seq=1 Ack=518
Win=65536 Len=0
Frame 52: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 52
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x44f8 (17656)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9f57 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 1, Ack: 518, Len: 0
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
```

```
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3874394283
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2580720542
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x98de [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.461926000 seconds]
        [Time since previous frame in this TCP stream: 0.201794000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 37]
        [The RTT to ACK the segment was: 0.203241000 seconds]
        [iRTT: 0.258396000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     53 0.766622       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=4182 Ack=582
Win=65536 Len=0
Frame 53: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 53
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88b9 (35001)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b96 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4182, Ack: 582, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 4003906120
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 582    (relative ack number)
    Acknowledgment number (raw): 4236998546
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x30dd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.763201000 seconds]
        [Time since previous frame in this TCP stream: 0.201381000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 38]
        [The RTT to ACK the segment was: 0.201975000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     54 0.766622       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=4182 Ack=680
Win=65536 Len=0
Frame 54: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 54
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88ba (35002)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b95 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4182, Ack: 680, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 4003906120
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 680    (relative ack number)
    Acknowledgment number (raw): 4236998644
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x307b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.763201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 40]
        [The RTT to ACK the segment was: 0.201664000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     55 0.766622       172.65.229.194        10.122.205.2          TCP      66     [TCP Dup ACK 54#1] 443 → 61093 [ACK]
Seq=4182 Ack=680 Win=65536 Len=0 SLE=1063 SRE=1133
Frame 55: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
```

```
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 55
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x88bb (35003)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b88 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4182, Ack: 680, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 4003906120
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 680    (relative ack number)
    Acknowledgment number (raw): 4236998644
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0e1f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 1063-1133
            Kind: SACK (5)
            Length: 10
```

```
            left edge = 1063 (relative)
            right edge = 1133 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.763201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 54]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
     56 0.766622       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=4182 Ack=1133
Win=65536 Len=0
Frame 56: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704630000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704630000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.766622000 seconds]
    Frame Number: 56
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88bc (35004)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b93 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4182, Ack: 1133, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
```

```
    Sequence Number (raw): 4003906120
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x2eb6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.763201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 42]
        [The RTT to ACK the segment was: 0.201381000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     57 0.766796       10.122.205.2          172.65.229.194        TCP      54     61092 → 443 [ACK] Seq=674 Ack=5739
Win=512 Len=0
Frame 57: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.704804000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.704804000 seconds
    [Time delta from previous captured frame: 0.000174000 seconds]
    [Time delta from previous displayed frame: 0.000174000 seconds]
    [Time since reference or first frame: 0.766796000 seconds]
    Frame Number: 57
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6166 (24934)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
```

```
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 674, Ack: 5739, Len: 0
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 674    (relative sequence number)
    Sequence Number (raw): 650586509
    [Next Sequence Number: 674    (relative sequence number)]
    Acknowledgment Number: 5739    (relative ack number)
    Acknowledgment number (raw): 1923122846
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.744089000 seconds]
        [Time since previous frame in this TCP stream: 0.000174000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 51]
        [The RTT to ACK the segment was: 0.000174000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     58 0.767166       10.122.205.2          172.65.229.194        TLSv1.2  85     Application Data
Frame 58: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.705174000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.705174000 seconds
    [Time delta from previous captured frame: 0.000370000 seconds]
    [Time delta from previous displayed frame: 0.000370000 seconds]
    [Time since reference or first frame: 0.767166000 seconds]
    Frame Number: 58
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0x6167 (24935)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61092, Dst Port: 443, Seq: 674, Ack: 5739, Len: 31
    Source Port: 61092
    Destination Port: 443
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 31]
    Sequence Number: 674    (relative sequence number)
    Sequence Number (raw): 650586509
    [Next Sequence Number: 705    (relative sequence number)]
    Acknowledgment Number: 5739    (relative ack number)
    Acknowledgment number (raw): 1923122846
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69ba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.744459000 seconds]
        [Time since previous frame in this TCP stream: 0.000370000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 26
        Encrypted Application Data: 298aafd6a631921c3fa77c409dd4a4d9de5a42ee6f034fa484c1
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     59 0.772978       10.122.205.2          172.65.229.194        TCP      66     61095 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 59: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.710986000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.710986000 seconds
    [Time delta from previous captured frame: 0.005812000 seconds]
    [Time delta from previous displayed frame: 0.005812000 seconds]
```

```
    [Time since reference or first frame: 0.772978000 seconds]
    Frame Number: 59
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6168 (24936)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3906626147
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
```

```
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     60 0.790626       172.65.229.194        10.122.205.2          TCP      60     443 → 61094 [ACK] Seq=1 Ack=519
Win=65536 Len=0
Frame 60: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.728634000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.728634000 seconds
    [Time delta from previous captured frame: 0.017648000 seconds]
    [Time delta from previous displayed frame: 0.017648000 seconds]
    [Time since reference or first frame: 0.790626000 seconds]
    Frame Number: 60
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x44f9 (17657)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9f56 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 1, Ack: 519, Len: 0
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
```

```
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3874394283
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x98dd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.485930000 seconds]
        [Time since previous frame in this TCP stream: 0.024004000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 39]
        [The RTT to ACK the segment was: 0.225798000 seconds]
        [iRTT: 0.258396000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     61 0.972733       172.65.229.194        10.122.205.2          TLSv1.3  309    Application Data
Frame 61: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.910741000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.910741000 seconds
    [Time delta from previous captured frame: 0.182107000 seconds]
    [Time delta from previous displayed frame: 0.182107000 seconds]
    [Time since reference or first frame: 0.972733000 seconds]
    Frame Number: 61
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0x88bd (35005)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a93 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4182, Ack: 1133, Len: 255
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 255]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 4003906120
    [Next Sequence Number: 4437    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xe94f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969312000 seconds]
        [Time since previous frame in this TCP stream: 0.206111000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 255]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
        Encrypted Application Data: 886634a81e58235df21f0b1edec4cbfe32dec582e6c3829cb987100f94fe566660625ba4…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     62 0.972733       172.65.229.194        10.122.205.2          TLSv1.3  309    Application Data
Frame 62: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.910741000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.910741000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.972733000 seconds]
    Frame Number: 62
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0x88be (35006)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a92 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4437, Ack: 1133, Len: 255
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 255]
    Sequence Number: 4437    (relative sequence number)
    Sequence Number (raw): 4003906375
    [Next Sequence Number: 4692    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0a70 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969312000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 510]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
        Encrypted Application Data: 7ec8fe6b06d6563814adceea4eedecd039e884e4df4040d6625720f97af0d43014002948…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     63 0.972733       172.65.229.194        10.122.205.2          TLSv1.3  118    Application Data
Frame 63: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.910741000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.910741000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.972733000 seconds]
    Frame Number: 63
    Frame Length: 118 bytes (944 bits)
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 104
    Identification: 0x88bf (35007)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b50 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4692, Ack: 1133, Len: 64
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 64]
    Sequence Number: 4692    (relative sequence number)
    Sequence Number (raw): 4003906630
    [Next Sequence Number: 4756    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdcdc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969312000 seconds]
```

```
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 574]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 59
        Encrypted Application Data: a85f438cad51350f3fbd95777c8143e459712b233dee97638f2d78df3d24497d29a79770…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     64 0.972733       172.65.229.194        10.122.205.2          TLSv1.3  504    Application Data
Frame 64: 504 bytes on wire (4032 bits), 504 bytes captured (4032 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.910741000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.910741000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.972733000 seconds]
    Frame Number: 64
    Frame Length: 504 bytes (4032 bits)
    Capture Length: 504 bytes (4032 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 490
    Identification: 0x88c0 (35008)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x59cd [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 4756, Ack: 1133, Len: 450
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 450]
    Sequence Number: 4756    (relative sequence number)
    Sequence Number (raw): 4003906694
    [Next Sequence Number: 5206    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
```

```
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x5bcd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969312000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1024]
        [Bytes sent since last PSH flag: 450]
    TCP payload (450 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 445
        Encrypted Application Data: ceb4df4763572fc4d479f1f060f7041fe6f35b1bf7ff6e342a93b8751d11661c472b9cc2…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     65 0.972920       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=1133 Ack=5206
Win=508 Len=0
Frame 65: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.910928000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.910928000 seconds
    [Time delta from previous captured frame: 0.000187000 seconds]
    [Time delta from previous displayed frame: 0.000187000 seconds]
    [Time since reference or first frame: 0.972920000 seconds]
    Frame Number: 65
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6169 (24937)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1133, Ack: 5206, Len: 0
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 1133    (relative sequence number)
    Sequence Number (raw): 4236999097
    [Next Sequence Number: 1133    (relative sequence number)]
    Acknowledgment Number: 5206    (relative ack number)
    Acknowledgment number (raw): 4003907144
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 508
    [Calculated window size: 508]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969499000 seconds]
        [Time since previous frame in this TCP stream: 0.000187000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 64]
        [The RTT to ACK the segment was: 0.000187000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     66 0.973328       10.122.205.2          172.65.229.194        TLSv1.3  85     Application Data
Frame 66: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.911336000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.911336000 seconds
    [Time delta from previous captured frame: 0.000408000 seconds]
    [Time delta from previous displayed frame: 0.000408000 seconds]
    [Time since reference or first frame: 0.973328000 seconds]
    Frame Number: 66
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
```

```
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0x616a (24938)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1133, Ack: 5206, Len: 31
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 31]
    Sequence Number: 1133    (relative sequence number)
    Sequence Number (raw): 4236999097
    [Next Sequence Number: 1164    (relative sequence number)]
    Acknowledgment Number: 5206    (relative ack number)
    Acknowledgment number (raw): 4003907144
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 508
    [Calculated window size: 508]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69ba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969907000 seconds]
        [Time since previous frame in this TCP stream: 0.000408000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 26
        Encrypted Application Data: d04692a3f43a2d9ed035c820d3778adf77c559f8dda587e73d1a
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     67 0.973834       172.65.229.194        10.122.205.2          TLSv1.3  507    Application Data
Frame 67: 507 bytes on wire (4056 bits), 507 bytes captured (4056 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.911842000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.911842000 seconds
    [Time delta from previous captured frame: 0.000506000 seconds]
    [Time delta from previous displayed frame: 0.000506000 seconds]
```

```
    [Time since reference or first frame: 0.973834000 seconds]
    Frame Number: 67
    Frame Length: 507 bytes (4056 bits)
    Capture Length: 507 bytes (4056 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 493
    Identification: 0x88c1 (35009)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x59c9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5206, Ack: 1133, Len: 453
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 453]
    Sequence Number: 5206    (relative sequence number)
    Sequence Number (raw): 4003907144
    [Next Sequence Number: 5659    (relative sequence number)]
    Acknowledgment Number: 1133    (relative ack number)
    Acknowledgment number (raw): 4236999097
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x9bda [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.970413000 seconds]
        [Time since previous frame in this TCP stream: 0.000506000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 453]
        [Bytes sent since last PSH flag: 453]
    TCP payload (453 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
```

```
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 448
        Encrypted Application Data: 32f562f85ac6fc06092ba10e2145ec25d01d9bf952291fa42ee2e93f0671431710ffa848…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     68 0.973834       172.65.229.194        10.122.205.2          TCP      60     443 → 61092 [ACK] Seq=5739 Ack=705
Win=8 Len=0
Frame 68: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.911842000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.911842000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.973834000 seconds]
    Frame Number: 68
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xaa6a (43626)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x39e5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61092, Seq: 5739, Ack: 705, Len: 0
    Source Port: 443
    Destination Port: 61092
    [Stream index: 2]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 5739    (relative sequence number)
    Sequence Number (raw): 1923122846
    [Next Sequence Number: 5739    (relative sequence number)]
    Acknowledgment Number: 705    (relative ack number)
    Acknowledgment number (raw): 650586540
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
```

```
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 8]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x0c3a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.951127000 seconds]
        [Time since previous frame in this TCP stream: 0.206668000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 58]
        [The RTT to ACK the segment was: 0.206668000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     69 0.973834       172.65.229.194        10.122.205.2          TCP      66     443 → 61095 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=8192
Frame 69: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.911842000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.911842000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 0.973834000 seconds]
    Frame Number: 69
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0xe543 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1406323099
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3906626148
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0xb1c7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 13 (multiply by 8192)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 13
            [Multiplier: 8192]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.200856000 seconds]
        [Time since previous frame in this TCP stream: 0.200856000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 59]
        [The RTT to ACK the segment was: 0.200856000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     70 0.973938       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=1164 Ack=5659
Win=512 Len=0
Frame 70: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.911946000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.911946000 seconds
    [Time delta from previous captured frame: 0.000104000 seconds]
    [Time delta from previous displayed frame: 0.000104000 seconds]
    [Time since reference or first frame: 0.973938000 seconds]
    Frame Number: 70
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x616b (24939)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1164, Ack: 5659, Len: 0
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 1164    (relative sequence number)
    Sequence Number (raw): 4236999128
    [Next Sequence Number: 1164    (relative sequence number)]
    Acknowledgment Number: 5659    (relative ack number)
    Acknowledgment number (raw): 4003907597
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.970517000 seconds]
        [Time since previous frame in this TCP stream: 0.000104000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 67]
        [The RTT to ACK the segment was: 0.000104000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     71 0.974112       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 71: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.912120000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.912120000 seconds
    [Time delta from previous captured frame: 0.000174000 seconds]
    [Time delta from previous displayed frame: 0.000174000 seconds]
    [Time since reference or first frame: 0.974112000 seconds]
    Frame Number: 71
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x616c (24940)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3906626148
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1406323100
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.201134000 seconds]
        [Time since previous frame in this TCP stream: 0.000278000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 69]
        [The RTT to ACK the segment was: 0.000278000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     72 0.974553       10.122.205.2          172.65.229.194        TLSv1.2  571    Client Hello
Frame 72: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.912561000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.912561000 seconds
    [Time delta from previous captured frame: 0.000441000 seconds]
    [Time delta from previous displayed frame: 0.000441000 seconds]
    [Time since reference or first frame: 0.974553000 seconds]
    Frame Number: 72
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x616d (24941)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3906626148
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1406323100
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6ba0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.201575000 seconds]
        [Time since previous frame in this TCP stream: 0.000441000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 9ddc3752505fbe2038f889635ac61d2a3efb53f6a9407d5c8a84cb498a07eeaa
                GMT Unix Time: Dec  4, 2053 17:56:34.000000000 中国标准时间
                Random Bytes: 505fbe2038f889635ac61d2a3efb53f6a9407d5c8a84cb498a07eeaa
            Session ID Length: 32
            Session ID: 6e62886387a9b04b54a40c3fb47f9ff0a8b675295f08397a01670958dcba0897
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0x4a4a)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 401
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (51914)
                Length: 0
                Data: <MISSING>
            Extension: server_name (len=16)
                Type: server_name (0)
                Length: 16
                Server Name Indication extension
                    Server Name list length: 14
                    Server Name Type: host_name (0)
                    Server Name length: 11
                    Server Name: w.deepl.com
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: supported_groups (len=10)
```

```
        Type: supported_groups (10)
        Length: 10
        Supported Groups List Length: 8
        Supported Groups (4 groups)
            Supported Group: Reserved (GREASE) (0x2a2a)
            Supported Group: x25519 (0x001d)
            Supported Group: secp256r1 (0x0017)
            Supported Group: secp384r1 (0x0018)
    Extension: ec_point_formats (len=2)
        Type: ec_point_formats (11)
        Length: 2
        EC point formats Length: 1
        Elliptic curves point formats (1)
            EC point format: uncompressed (0)
    Extension: session_ticket (len=0)
        Type: session_ticket (35)
        Length: 0
        Data (0 bytes)
    Extension: application_layer_protocol_negotiation (len=14)
        Type: application_layer_protocol_negotiation (16)
        Length: 14
        ALPN Extension Length: 12
        ALPN Protocol
            ALPN string length: 2
            ALPN Next Protocol: h2
            ALPN string length: 8
            ALPN Next Protocol: http/1.1
    Extension: status_request (len=5)
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
        Signature Hash Algorithms (8 algorithms)
            Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (10794)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
```

```
                        Key Exchange: 1c252fcfba1150a12be0e6b2a49c7cf2d9ad359b675aefd61cc8742e812d5004
            Extension: psk_key_exchange_modes (len=2)
                Type: psk_key_exchange_modes (45)
                Length: 2
                PSK Key Exchange Modes Length: 1
                PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
            Extension: supported_versions (len=7)
                Type: supported_versions (43)
                Length: 7
                Supported Versions length: 6
                Supported Version: Reserved (GREASE) (0x8a8a)
                Supported Version: TLS 1.3 (0x0304)
                Supported Version: TLS 1.2 (0x0303)
            Extension: compress_certificate (len=3)
                Type: compress_certificate (27)
                Length: 3
                Algorithms Length: 2
                Algorithm: brotli (2)
            Extension: application_settings (len=5)
                Type: application_settings (17513)
                Length: 5
                ALPS Extension Length: 3
                Supported ALPN List
                    Supported ALPN Length: 2
                    Supported ALPN: h2
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (6682)
                Length: 1
                Data: 00
            Extension: padding (len=202)
                Type: padding (21)
                Length: 202
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,0-23-65281-10-11-35-16-5-13-18-51-4
            [JA3: 24c42d3e77f06f2a8f47f4ebbbfdfaf4]
No.     Time           Source                Destination           Protocol Length Info
     73 0.980573       10.122.205.2          172.65.229.194        TLSv1.3  238    Application Data
Frame 73: 238 bytes on wire (1904 bits), 238 bytes captured (1904 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.918581000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.918581000 seconds
    [Time delta from previous captured frame: 0.006020000 seconds]
    [Time delta from previous displayed frame: 0.006020000 seconds]
    [Time since reference or first frame: 0.980573000 seconds]
    Frame Number: 73
    Frame Length: 238 bytes (1904 bits)
    Capture Length: 238 bytes (1904 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 224
```

```
    Identification: 0x616e (24942)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1164, Ack: 5659, Len: 184
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 184]
    Sequence Number: 1164    (relative sequence number)
    Sequence Number (raw): 4236999128
    [Next Sequence Number: 1348    (relative sequence number)]
    Acknowledgment Number: 5659    (relative ack number)
    Acknowledgment number (raw): 4003907597
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6a53 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.977152000 seconds]
        [Time since previous frame in this TCP stream: 0.006635000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 215]
        [Bytes sent since last PSH flag: 184]
    TCP payload (184 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 179
        Encrypted Application Data: 2741567637db1bc36ac9802bb98b873803f86b0c7ac3e3dd10ca432f0d32305b819dd740…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     74 0.980753       10.122.205.2          172.65.229.194        TLSv1.3  725    Application Data
Frame 74: 725 bytes on wire (5800 bits), 725 bytes captured (5800 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.918761000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.918761000 seconds
    [Time delta from previous captured frame: 0.000180000 seconds]
    [Time delta from previous displayed frame: 0.000180000 seconds]
    [Time since reference or first frame: 0.980753000 seconds]
    Frame Number: 74
    Frame Length: 725 bytes (5800 bits)
    Capture Length: 725 bytes (5800 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 711
    Identification: 0x616f (24943)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 1348, Ack: 5659, Len: 671
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 671]
    Sequence Number: 1348    (relative sequence number)
    Sequence Number (raw): 4236999312
    [Next Sequence Number: 2019    (relative sequence number)]
    Acknowledgment Number: 5659    (relative ack number)
    Acknowledgment number (raw): 4003907597
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6c3a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.977332000 seconds]
        [Time since previous frame in this TCP stream: 0.000180000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 886]
        [Bytes sent since last PSH flag: 671]
    TCP payload (671 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 666
        Encrypted Application Data: 594c46a2bf6baa164722ad00dde4c3fbbb1571cc70e9e866aeb6c488c3e6646d25d3fccb…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     75 0.981103       10.122.205.2          172.65.229.194        TLSv1.3  123    Application Data
```

```
Frame 75: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.919111000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.919111000 seconds
    [Time delta from previous captured frame: 0.000350000 seconds]
    [Time delta from previous displayed frame: 0.000350000 seconds]
    [Time since reference or first frame: 0.981103000 seconds]
    Frame Number: 75
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x6170 (24944)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 2019, Ack: 5659, Len: 69
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 69]
    Sequence Number: 2019    (relative sequence number)
    Sequence Number (raw): 4236999983
    [Next Sequence Number: 2088    (relative sequence number)]
    Acknowledgment Number: 5659    (relative ack number)
    Acknowledgment number (raw): 4003907597
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
```

```
    Checksum: 0x69e0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.977682000 seconds]
        [Time since previous frame in this TCP stream: 0.000350000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 955]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: d08c816c7887911b60e160f3357a4baf1efcb317c090b94a5c6f7ec95f16a517430068eb…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     76 0.981176       10.122.205.2          172.65.229.194        TLSv1.3  771    Application Data
Frame 76: 771 bytes on wire (6168 bits), 771 bytes captured (6168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:50.919184000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821630.919184000 seconds
    [Time delta from previous captured frame: 0.000073000 seconds]
    [Time delta from previous displayed frame: 0.000073000 seconds]
    [Time since reference or first frame: 0.981176000 seconds]
    Frame Number: 76
    Frame Length: 771 bytes (6168 bits)
    Capture Length: 771 bytes (6168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 757
    Identification: 0x6171 (24945)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 2088, Ack: 5659, Len: 717
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 717]
    Sequence Number: 2088    (relative sequence number)
    Sequence Number (raw): 4237000052
```

```
    [Next Sequence Number: 2805    (relative sequence number)]
    Acknowledgment Number: 5659    (relative ack number)
    Acknowledgment number (raw): 4003907597
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6c68 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.977755000 seconds]
        [Time since previous frame in this TCP stream: 0.000073000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1672]
        [Bytes sent since last PSH flag: 717]
    TCP payload (717 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 712
        Encrypted Application Data: cfce3c193c2a7e1913f36a2d29256e1d2662757f60de6196411304bedaecaeb4187601ac…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     77 1.075977       10.122.205.2          172.65.229.194        TCP      66     61096 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 77: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.013985000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.013985000 seconds
    [Time delta from previous captured frame: 0.094801000 seconds]
    [Time delta from previous displayed frame: 0.094801000 seconds]
    [Time since reference or first frame: 1.075977000 seconds]
    Frame Number: 77
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 52
    Identification: 0x6172 (24946)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 492425947
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     78 1.098408       172.65.229.194        10.122.205.2          TLSv1.3  1436   Server Hello, Change Cipher Spec,
Application Data
Frame 78: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.022431000 seconds]
    [Time delta from previous displayed frame: 0.022431000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 78
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x44fa (17658)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x99ef [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 1, Ack: 519, Len: 1382
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3874394283
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0cc0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.307782000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.258396000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 82]
    TCP segment data (1208 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Server Hello
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 122
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 118
            Version: TLS 1.2 (0x0303)
            Random: 099e2d95766d0d89d16b8d6374e5d81f5e9a9fab68862a417cde4160f4744cce
            Session ID Length: 32
            Session ID: ad1d0b348d5f3b49445abd7cf72b251fc2966c5657b4c67a96adbe441093ae19
            Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
            Compression Method: null (0)
            Extensions Length: 46
            Extension: supported_versions (len=2)
                Type: supported_versions (43)
                Length: 2
                Supported Version: TLS 1.3 (0x0304)
            Extension: key_share (len=36)
                Type: key_share (51)
                Length: 36
                Key Share extension
                    Key Share Entry: Group: x25519, Key Exchange length: 32
                        Group: x25519 (29)
                        Key Exchange Length: 32
                        Key Exchange: 896e6520d619af6a86afe5564bc7ce15c2997c41cd9ff762d77fbd9f9a90ed70
            [JA3S Fullstring: 771,4865,43-51]
            [JA3S: f4febc55ea12b31ae17cfb7e614afda8]
    TLSv1.3 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 36
        Encrypted Application Data: 2e157271912a45242d6924627bd59b941a061237eed81657b736dc1ceeace921e9989096
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     79 1.098408       172.65.229.194        10.122.205.2          TCP      120    443 → 61094 [PSH, ACK] Seq=1383
Ack=519 Win=65536 Len=66 [TCP segment of a reassembled PDU]
Frame 79: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 79
    Frame Length: 120 bytes (960 bits)
    Capture Length: 120 bytes (960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 106
    Identification: 0x44fb (17659)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9f12 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 1383, Ack: 519, Len: 66
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 66]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 3874395665
    [Next Sequence Number: 1449    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x443f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.258396000 seconds]
        [Bytes in flight: 1448]
        [Bytes sent since last PSH flag: 1448]
    TCP payload (66 bytes)
    [Reassembled PDU in frame: 82]
    TCP segment data (66 bytes)
No.     Time           Source                Destination           Protocol Length Info
     80 1.098408       172.65.229.194        10.122.205.2          TCP      120    [TCP Previous segment not captured]
443 → 61094 [PSH, ACK] Seq=2831 Ack=519 Win=65536 Len=66 [TCP segment of a reassembled PDU]
Frame 80: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
```

```
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 80
    Frame Length: 120 bytes (960 bits)
    Capture Length: 120 bytes (960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 106
    Identification: 0x44fd (17661)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9f10 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 2831, Ack: 519, Len: 66
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 66]
    Sequence Number: 2831    (relative sequence number)
    Sequence Number (raw): 3874397113
    [Next Sequence Number: 2897    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xf6a1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
```

```
    [SEQ/ACK analysis]
        [iRTT: 0.258396000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (66 bytes)
    [Reassembled PDU in frame: 82]
    TCP segment data (66 bytes)
No.     Time           Source                Destination           Protocol Length Info
     81 1.098408       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61094 [ACK]
Seq=1449 Ack=519 Win=65536 Len=1382 [TCP segment of a reassembled PDU]
Frame 81: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 81
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x44fc (17660)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x99ed [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 1449, Ack: 519, Len: 1382
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1449    (relative sequence number)
    Sequence Number (raw): 3874395731
    [Next Sequence Number: 2831    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
```

```
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x3fb0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.258396000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 82]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
     82 1.098408       172.65.229.194        10.122.205.2          TLSv1.3  1339   Application Data, Application Data,
Application Data
Frame 82: 1339 bytes on wire (10712 bits), 1339 bytes captured (10712 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 82
    Frame Length: 1339 bytes (10712 bits)
    Capture Length: 1339 bytes (10712 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1325
    Identification: 0x44fe (17662)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9a4c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 2897, Ack: 519, Len: 1285
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1285]
    Sequence Number: 2897    (relative sequence number)
    Sequence Number (raw): 3874397179
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x20eb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    TCP payload (1285 bytes)
    TCP segment data (941 bytes)
[5 Reassembled TCP Segments (3663 bytes): #78(1208), #79(66), #81(1382), #80(66), #82(941)]
    [Frame: 78, payload: 0-1207 (1208 bytes)]
    [Frame: 79, payload: 1208-1273 (66 bytes)]
    [Frame: 81, payload: 1274-2655 (1382 bytes)]
    [Frame: 80, payload: 2656-2721 (66 bytes)]
    [Frame: 82, payload: 2722-3662 (941 bytes)]
    [Segment count: 5]
    [Reassembled TCP length: 3663]
    [Reassembled TCP Data: 1703030e4a917eb3246597689ac956f0ce333037046303ddae8a0dc58b414675c7ef3e44…]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3658
        Encrypted Application Data: 917eb3246597689ac956f0ce333037046303ddae8a0dc58b414675c7ef3e44df15b143a3…
        [Application Data Protocol: Hypertext Transfer Protocol]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 281
        Encrypted Application Data: 35a804f831ffc571c345199a1c971a2a68a63d5abdbe4ba1f08c192453c2ed4f9b10c6e4…
        [Application Data Protocol: Hypertext Transfer Protocol]
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: b28e31feef8fb00130cfcd255e40a8dd842f2fdae9c1983a1dfc25225511d8b292a33b3d…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     83 1.098408       172.65.229.194        10.122.205.2          TCP      60     443 → 61094 [FIN, ACK] Seq=4182
Ack=519 Win=65536 Len=0
```

```
Frame 83: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036416000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036416000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.098408000 seconds]
    Frame Number: 83
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x44ff (17663)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x9f50 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61094, Seq: 4182, Ack: 519, Len: 0
    Source Port: 443
    Destination Port: 61094
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 3874398464
    [Next Sequence Number: 4183    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
```

```
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame undergoes the connection closing]
                [This frame undergoes the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x8887 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793712000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     84 1.098651       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST, ACK] Seq=519
Ack=1383 Win=0 Len=0
Frame 84: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036659000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036659000 seconds
    [Time delta from previous captured frame: 0.000243000 seconds]
    [Time delta from previous displayed frame: 0.000243000 seconds]
    [Time since reference or first frame: 1.098651000 seconds]
    Frame Number: 84
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6173 (24947)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Ack: 1383, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
```

```
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 1383    (relative ack number)
    Acknowledgment number (raw): 3874395665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x014 (RST, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A·R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.793955000 seconds]
        [Time since previous frame in this TCP stream: 0.000243000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 78]
        [The RTT to ACK the segment was: 0.000243000 seconds]
        [iRTT: 0.258396000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     85 1.098811       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST] Seq=519 Win=0 Len=0
Frame 85: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036819000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036819000 seconds
    [Time delta from previous captured frame: 0.000160000 seconds]
    [Time delta from previous displayed frame: 0.000160000 seconds]
    [Time since reference or first frame: 1.098811000 seconds]
    Frame Number: 85
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6174 (24948)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2580720543
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.794115000 seconds]
        [Time since previous frame in this TCP stream: 0.000160000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     86 1.098847       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST] Seq=519 Win=0 Len=0
Frame 86: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036855000 seconds
    [Time delta from previous captured frame: 0.000036000 seconds]
    [Time delta from previous displayed frame: 0.000036000 seconds]
    [Time since reference or first frame: 1.098847000 seconds]
    Frame Number: 86
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6175 (24949)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2580720543
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.794151000 seconds]
        [Time since previous frame in this TCP stream: 0.000036000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     87 1.098878       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST] Seq=519 Win=0 Len=0
Frame 87: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036886000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036886000 seconds
```

```
    [Time delta from previous captured frame: 0.000031000 seconds]
    [Time delta from previous displayed frame: 0.000031000 seconds]
    [Time since reference or first frame: 1.098878000 seconds]
    Frame Number: 87
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6176 (24950)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2580720543
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.794182000 seconds]
        [Time since previous frame in this TCP stream: 0.000031000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     88 1.098933       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST] Seq=519 Win=0 Len=0
Frame 88: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036941000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036941000 seconds
    [Time delta from previous captured frame: 0.000055000 seconds]
    [Time delta from previous displayed frame: 0.000055000 seconds]
    [Time since reference or first frame: 1.098933000 seconds]
    Frame Number: 88
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6177 (24951)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2580720543
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
```

```
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.794237000 seconds]
        [Time since previous frame in this TCP stream: 0.000055000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     89 1.098966       10.122.205.2          172.65.229.194        TCP      54     61094 → 443 [RST] Seq=519 Win=0 Len=0
Frame 89: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.036974000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.036974000 seconds
    [Time delta from previous captured frame: 0.000033000 seconds]
    [Time delta from previous displayed frame: 0.000033000 seconds]
    [Time since reference or first frame: 1.098966000 seconds]
    Frame Number: 89
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6178 (24952)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61094, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61094
    Destination Port: 443
    [Stream index: 3]
    [Conversation completeness: Complete, WITH_DATA (63)]
```

```
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 2580720543
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2580720543
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2580720543
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.794270000 seconds]
        [Time since previous frame in this TCP stream: 0.000033000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     90 1.161249       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=1 Ack=518
Win=65536 Len=0
Frame 90: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.099257000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.099257000 seconds
    [Time delta from previous captured frame: 0.062283000 seconds]
    [Time delta from previous displayed frame: 0.062283000 seconds]
    [Time since reference or first frame: 1.161249000 seconds]
    Frame Number: 90
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5cd (50637)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f82 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 1, Ack: 518, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1406323100
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xeb35 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.388271000 seconds]
        [Time since previous frame in this TCP stream: 0.186696000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 72]
        [The RTT to ACK the segment was: 0.186696000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     91 1.172494       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=5659 Ack=1164
Win=65536 Len=0
Frame 91: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.110502000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.110502000 seconds
    [Time delta from previous captured frame: 0.011245000 seconds]
    [Time delta from previous displayed frame: 0.011245000 seconds]
    [Time since reference or first frame: 1.172494000 seconds]
    Frame Number: 91
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88c2 (35010)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b8d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5659, Ack: 1164, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 5659    (relative sequence number)
    Sequence Number (raw): 4003907597
    [Next Sequence Number: 5659    (relative sequence number)]
    Acknowledgment Number: 1164    (relative ack number)
    Acknowledgment number (raw): 4236999128
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x28d2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.169073000 seconds]
        [Time since previous frame in this TCP stream: 0.191318000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 66]
        [The RTT to ACK the segment was: 0.199166000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     92 1.177407       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=5659 Ack=2019
Win=65536 Len=0
Frame 92: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.115415000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.115415000 seconds
    [Time delta from previous captured frame: 0.004913000 seconds]
    [Time delta from previous displayed frame: 0.004913000 seconds]
    [Time since reference or first frame: 1.177407000 seconds]
    Frame Number: 92
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88c3 (35011)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b8c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5659, Ack: 2019, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 5659    (relative sequence number)
    Sequence Number (raw): 4003907597
    [Next Sequence Number: 5659    (relative sequence number)]
    Acknowledgment Number: 2019    (relative ack number)
    Acknowledgment number (raw): 4236999983
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x257b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.173986000 seconds]
        [Time since previous frame in this TCP stream: 0.004913000 seconds]
    [SEQ/ACK analysis]
```

```
        [This is an ACK to the segment in frame: 74]
        [The RTT to ACK the segment was: 0.196654000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     93 1.177407       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=5659 Ack=2805
Win=65536 Len=0
Frame 93: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.115415000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.115415000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.177407000 seconds]
    Frame Number: 93
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88c4 (35012)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b8b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5659, Ack: 2805, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 5659    (relative sequence number)
    Sequence Number (raw): 4003907597
    [Next Sequence Number: 5659    (relative sequence number)]
    Acknowledgment Number: 2805    (relative ack number)
    Acknowledgment number (raw): 4237000769
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x2269 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.173986000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 76]
        [The RTT to ACK the segment was: 0.196231000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     94 1.260910       172.65.229.194        10.122.205.2          TCP      66     443 → 61096 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=8192
Frame 94: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.198918000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.198918000 seconds
    [Time delta from previous captured frame: 0.083503000 seconds]
    [Time delta from previous displayed frame: 0.083503000 seconds]
    [Time since reference or first frame: 1.260910000 seconds]
    Frame Number: 94
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0xe543 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
```

```
    Sequence Number (raw): 1206724338
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 492425948
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0xbb5e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 13 (multiply by 8192)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 13
            [Multiplier: 8192]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184933000 seconds]
        [Time since previous frame in this TCP stream: 0.184933000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 77]
        [The RTT to ACK the segment was: 0.184933000 seconds]
        [iRTT: 0.185149000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     95 1.261126       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 95: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.199134000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.199134000 seconds
    [Time delta from previous captured frame: 0.000216000 seconds]
    [Time delta from previous displayed frame: 0.000216000 seconds]
    [Time since reference or first frame: 1.261126000 seconds]
    Frame Number: 95
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6179 (24953)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 492425948
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1206724339
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.185149000 seconds]
        [Time since previous frame in this TCP stream: 0.000216000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 94]
        [The RTT to ACK the segment was: 0.000216000 seconds]
        [iRTT: 0.185149000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     96 1.261744       10.122.205.2          172.65.229.194        TLSv1    571    Client Hello
Frame 96: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.199752000 中国标准时间
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    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.199752000 seconds
    [Time delta from previous captured frame: 0.000618000 seconds]
    [Time delta from previous displayed frame: 0.000618000 seconds]
    [Time since reference or first frame: 1.261744000 seconds]
    Frame Number: 96
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x617a (24954)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 492425948
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1206724339
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6ba0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.185767000 seconds]
        [Time since previous frame in this TCP stream: 0.000618000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
```

```
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: cb1812368aed38c343f75208077168a6f7d6349cd0433e93bbe5b851fdb2e9b0
                GMT Unix Time: Dec 22, 2077 06:46:14.000000000 中国标准时间
                Random Bytes: 8aed38c343f75208077168a6f7d6349cd0433e93bbe5b851fdb2e9b0
            Session ID Length: 32
            Session ID: 827702f270fc9e0a8264f1d0c07a33193526b5697d736b2b541b0435c056de60
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xeaea)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 401
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (51914)
                Length: 0
                Data: <MISSING>
            Extension: server_name (len=16)
                Type: server_name (0)
                Length: 16
                Server Name Indication extension
                    Server Name list length: 14
                    Server Name Type: host_name (0)
                    Server Name length: 11
                    Server Name: w.deepl.com
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: supported_groups (len=10)
                Type: supported_groups (10)
                Length: 10
                Supported Groups List Length: 8
                Supported Groups (4 groups)
                    Supported Group: Reserved (GREASE) (0x0a0a)
                    Supported Group: x25519 (0x001d)
                    Supported Group: secp256r1 (0x0017)
                    Supported Group: secp384r1 (0x0018)
            Extension: ec_point_formats (len=2)
                Type: ec_point_formats (11)
                Length: 2
                EC point formats Length: 1
                Elliptic curves point formats (1)
                    EC point format: uncompressed (0)
            Extension: session_ticket (len=0)
                Type: session_ticket (35)
```

```
            Length: 0
            Data (0 bytes)
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: status_request (len=5)
            Type: status_request (5)
            Length: 5
            Certificate Status Type: OCSP (1)
            Responder ID list Length: 0
            Request Extensions Length: 0
        Extension: signature_algorithms (len=18)
            Type: signature_algorithms (13)
            Length: 18
            Signature Hash Algorithms Length: 16
            Signature Hash Algorithms (8 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: signed_certificate_timestamp (len=0)
            Type: signed_certificate_timestamp (18)
            Length: 0
        Extension: key_share (len=43)
            Type: key_share (51)
            Length: 43
            Key Share extension
                Client Key Share Length: 41
                Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                    Group: Reserved (GREASE) (2570)
                    Key Exchange Length: 1
                    Key Exchange: 00
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: 7ceb1df98f843189d187f311f3c4209ca1bc4818d4de8a3ad91801d3f47ccf3e
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: supported_versions (len=7)
            Type: supported_versions (43)
            Length: 7
            Supported Versions length: 6
            Supported Version: Reserved (GREASE) (0x2a2a)
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
```

```
                Algorithms Length: 2
                Algorithm: brotli (2)
            Extension: application_settings (len=5)
                Type: application_settings (17513)
                Length: 5
                ALPS Extension Length: 3
                Supported ALPN List
                    Supported ALPN Length: 2
                    Supported ALPN: h2
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (47802)
                Length: 1
                Data: 00
            Extension: padding (len=202)
                Type: padding (21)
                Length: 202
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,0-23-65281-10-11-35-16-5-13-18-51-4
            [JA3: 24c42d3e77f06f2a8f47f4ebbbfdfaf4]
No.     Time           Source                Destination           Protocol Length Info
     97 1.351262       172.65.229.194        10.122.205.2          TLSv1.3  102    Application Data
Frame 97: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.289270000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.289270000 seconds
    [Time delta from previous captured frame: 0.089518000 seconds]
    [Time delta from previous displayed frame: 0.089518000 seconds]
    [Time since reference or first frame: 1.351262000 seconds]
    Frame Number: 97
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0x88c5 (35013)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b5a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5659, Ack: 2805, Len: 48
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
```

```
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 48]
    Sequence Number: 5659    (relative sequence number)
    Sequence Number (raw): 4003907597
    [Next Sequence Number: 5707    (relative sequence number)]
    Acknowledgment Number: 2805    (relative ack number)
    Acknowledgment number (raw): 4237000769
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x52d9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.347841000 seconds]
        [Time since previous frame in this TCP stream: 0.173855000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 48]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: f92bb1d2197b6a7444d8bbe4ad6e47f1840bd293e761b56fdcc312cf6f02c1c261135329…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     98 1.351262       172.65.229.194        10.122.205.2          TLSv1.3  102    Application Data
Frame 98: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.289270000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.289270000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.351262000 seconds]
    Frame Number: 98
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0x88c6 (35014)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b59 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5707, Ack: 2805, Len: 48
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 48]
    Sequence Number: 5707    (relative sequence number)
    Sequence Number (raw): 4003907645
    [Next Sequence Number: 5755    (relative sequence number)]
    Acknowledgment Number: 2805    (relative ack number)
    Acknowledgment number (raw): 4237000769
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xabbe [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.347841000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 96]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: 59b0d0b693698a84634e29e2c7bac8c010b1d237cad81349754523af01aa4ae53f8bd4e8…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
     99 1.351262       172.65.229.194        10.122.205.2          TLSv1.3  410    Application Data
Frame 99: 410 bytes on wire (3280 bits), 410 bytes captured (3280 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.289270000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.289270000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.351262000 seconds]
    Frame Number: 99
    Frame Length: 410 bytes (3280 bits)
    Capture Length: 410 bytes (3280 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 396
    Identification: 0x88c7 (35015)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a24 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 5755, Ack: 2805, Len: 356
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 356]
    Sequence Number: 5755    (relative sequence number)
    Sequence Number (raw): 4003907693
    [Next Sequence Number: 6111    (relative sequence number)]
    Acknowledgment Number: 2805    (relative ack number)
    Acknowledgment number (raw): 4237000769
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xf943 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.347841000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 452]
        [Bytes sent since last PSH flag: 356]
    TCP payload (356 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 351
        Encrypted Application Data: 7aeb2770dc5eaa24a4c5622f749b67e3f65c335bc1b078209eceedac71bf219c120a649c…
```

```
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    100 1.351262       172.65.229.194        10.122.205.2          TLSv1.3  412    Application Data
Frame 100: 412 bytes on wire (3296 bits), 412 bytes captured (3296 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.289270000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.289270000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.351262000 seconds]
    Frame Number: 100
    Frame Length: 412 bytes (3296 bits)
    Capture Length: 412 bytes (3296 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 398
    Identification: 0x88c8 (35016)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a21 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6111, Ack: 2805, Len: 358
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 358]
    Sequence Number: 6111    (relative sequence number)
    Sequence Number (raw): 4003908049
    [Next Sequence Number: 6469    (relative sequence number)]
    Acknowledgment Number: 2805    (relative ack number)
    Acknowledgment number (raw): 4237000769
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
```

```
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x1c3c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.347841000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 810]
        [Bytes sent since last PSH flag: 358]
    TCP payload (358 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 353
        Encrypted Application Data: b331778d984855e092e6a3972caa05c8450c640d3cd009f29412ea956d0a4a90715e85b0…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    101 1.351436       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=2805 Ack=6469
Win=509 Len=0
Frame 101: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.289444000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.289444000 seconds
    [Time delta from previous captured frame: 0.000174000 seconds]
    [Time delta from previous displayed frame: 0.000174000 seconds]
    [Time since reference or first frame: 1.351436000 seconds]
    Frame Number: 101
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x617b (24955)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 2805, Ack: 6469, Len: 0
    Source Port: 61093
    Destination Port: 443
```

```
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 2805    (relative sequence number)
    Sequence Number (raw): 4237000769
    [Next Sequence Number: 2805    (relative sequence number)]
    Acknowledgment Number: 6469    (relative ack number)
    Acknowledgment number (raw): 4003908407
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.348015000 seconds]
        [Time since previous frame in this TCP stream: 0.000174000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 100]
        [The RTT to ACK the segment was: 0.000174000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    102 1.447579       172.65.229.194        10.122.205.2          TCP      60     443 → 61096 [ACK] Seq=1 Ack=518
Win=65536 Len=0
Frame 102: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.385587000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.385587000 seconds
    [Time delta from previous captured frame: 0.096143000 seconds]
    [Time delta from previous displayed frame: 0.096143000 seconds]
    [Time since reference or first frame: 1.447579000 seconds]
    Frame Number: 102
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7942 (31042)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x6c0d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 1, Ack: 518, Len: 0
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1206724339
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 492426465
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xf4cc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.371602000 seconds]
        [Time since previous frame in this TCP stream: 0.185835000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 96]
        [The RTT to ACK the segment was: 0.185835000 seconds]
        [iRTT: 0.185149000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    103 1.508764       172.65.229.194        10.122.205.2          TLSv1.2  120    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 103: 120 bytes on wire (960 bits), 120 bytes captured (960 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446772000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446772000 seconds
    [Time delta from previous captured frame: 0.061185000 seconds]
    [Time delta from previous displayed frame: 0.061185000 seconds]
    [Time since reference or first frame: 1.508764000 seconds]
    Frame Number: 103
    Frame Length: 120 bytes (960 bits)
    Capture Length: 120 bytes (960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 106
    Identification: 0xc5cf (50639)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f3e [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 1383, Ack: 518, Len: 66
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 66]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1406324482
    [Next Sequence Number: 1449    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xa1cb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735786000 seconds]
        [Time since previous frame in this TCP stream: 0.347515000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (66 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    104 1.508764       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61095 [ACK]
Seq=1 Ack=518 Win=65536 Len=1382
```

```
Frame 104: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446772000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446772000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.508764000 seconds]
    Frame Number: 104
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xc5ce (50638)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1a1b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1406323100
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
```

```
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xc1c8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735786000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    105 1.508764       172.65.229.194        10.122.205.2          TLSv1.2  720    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 105: 720 bytes on wire (5760 bits), 720 bytes captured (5760 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446772000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446772000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.508764000 seconds]
    Frame Number: 105
    Frame Length: 720 bytes (5760 bits)
    Capture Length: 720 bytes (5760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 706
    Identification: 0xc5d1 (50641)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1ce4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 2831, Ack: 518, Len: 666
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 666]
```

```
    Sequence Number: 2831    (relative sequence number)
    Sequence Number (raw): 1406325930
    [Next Sequence Number: 3497    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xc5e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735786000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (666 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    106 1.508764       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61095 [ACK]
Seq=1449 Ack=518 Win=65536 Len=1382
Frame 106: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446772000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446772000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.508764000 seconds]
    Frame Number: 106
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
```

```
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xc5d0 (50640)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1a19 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 1449, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1449    (relative sequence number)
    Sequence Number (raw): 1406324548
    [Next Sequence Number: 2831    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x7198 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735786000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    107 1.508764       172.65.229.194        10.122.205.2          TLSv1.2  739    Ignored Unknown Record
Frame 107: 739 bytes on wire (5912 bits), 739 bytes captured (5912 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446772000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446772000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.508764000 seconds]
    Frame Number: 107
    Frame Length: 739 bytes (5912 bits)
```

```
    Capture Length: 739 bytes (5912 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 725
    Identification: 0xc5d2 (50642)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1cd0 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 3497, Ack: 518, Len: 685
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 685]
    Sequence Number: 3497    (relative sequence number)
    Sequence Number (raw): 1406326596
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3906626665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x06c9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735786000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    TCP payload (685 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
    108 1.508843       10.122.205.2          172.65.229.194        TCP      66     [TCP Dup ACK 71#1] 61095 → 443 [ACK]
Seq=518 Ack=1 Win=131072 Len=0 SLE=1383 SRE=1449
Frame 108: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446851000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446851000 seconds
    [Time delta from previous captured frame: 0.000079000 seconds]
    [Time delta from previous displayed frame: 0.000079000 seconds]
    [Time since reference or first frame: 1.508843000 seconds]
    Frame Number: 108
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x617c (24956)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 518, Ack: 1, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3906626665
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1406323100
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 1383-1449
            Kind: SACK (5)
            Length: 10
            left edge = 1383 (relative)
            right edge = 1449 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735865000 seconds]
        [Time since previous frame in this TCP stream: 0.000079000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 71]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    109 1.508916       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=518 Ack=1449
Win=131072 Len=0
Frame 109: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446924000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446924000 seconds
    [Time delta from previous captured frame: 0.000073000 seconds]
    [Time delta from previous displayed frame: 0.000073000 seconds]
    [Time since reference or first frame: 1.508916000 seconds]
    Frame Number: 109
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x617d (24957)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 518, Ack: 1449, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3906626665
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1449    (relative ack number)
    Acknowledgment number (raw): 1406324548
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735938000 seconds]
        [Time since previous frame in this TCP stream: 0.000073000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 103]
        [The RTT to ACK the segment was: 0.000152000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    110 1.508933       10.122.205.2          172.65.229.194        TCP      66     [TCP Dup ACK 109#1] 61095 → 443 [ACK]
Seq=518 Ack=1449 Win=131072 Len=0 SLE=2831 SRE=3497
Frame 110: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446941000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446941000 seconds
    [Time delta from previous captured frame: 0.000017000 seconds]
    [Time delta from previous displayed frame: 0.000017000 seconds]
    [Time since reference or first frame: 1.508933000 seconds]
    Frame Number: 110
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x617e (24958)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 518, Ack: 1449, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3906626665
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1449    (relative ack number)
    Acknowledgment number (raw): 1406324548
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 2831-3497
            Kind: SACK (5)
            Length: 10
            left edge = 2831 (relative)
            right edge = 3497 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735955000 seconds]
        [Time since previous frame in this TCP stream: 0.000017000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 109]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
```

```
No.     Time           Source                Destination           Protocol Length Info
    111 1.508950       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=518 Ack=3497
Win=131072 Len=0
Frame 111: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.446958000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.446958000 seconds
    [Time delta from previous captured frame: 0.000017000 seconds]
    [Time delta from previous displayed frame: 0.000017000 seconds]
    [Time since reference or first frame: 1.508950000 seconds]
    Frame Number: 111
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x617f (24959)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 518, Ack: 3497, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3906626665
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 3497    (relative ack number)
    Acknowledgment number (raw): 1406326596
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.735972000 seconds]
        [Time since previous frame in this TCP stream: 0.000017000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 105]
        [The RTT to ACK the segment was: 0.000186000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    112 1.509449       10.122.205.2          172.65.229.194        TLSv1.2  118    Change Cipher Spec, Application Data
Frame 112: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.447457000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.447457000 seconds
    [Time delta from previous captured frame: 0.000499000 seconds]
    [Time delta from previous displayed frame: 0.000499000 seconds]
    [Time since reference or first frame: 1.509449000 seconds]
    Frame Number: 112
    Frame Length: 118 bytes (944 bits)
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 104
    Identification: 0x6180 (24960)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 518, Ack: 4182, Len: 64
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 64]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3906626665
    [Next Sequence Number: 582    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
```

```
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x69db [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.736471000 seconds]
        [Time since previous frame in this TCP stream: 0.000499000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 107]
        [The RTT to ACK the segment was: 0.000685000 seconds]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 64]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: f7578d426a9a9f2305d032da29f30ef36a19fee0535caa034c8822797518a0e0cca61a07…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    113 1.509698       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [FIN, ACK] Seq=518 Ack=1
Win=131072 Len=0
Frame 113: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.447706000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.447706000 seconds
    [Time delta from previous captured frame: 0.000249000 seconds]
    [Time delta from previous displayed frame: 0.000249000 seconds]
    [Time since reference or first frame: 1.509698000 seconds]
    Frame Number: 113
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6181 (24961)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 518, Ack: 1, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 492426465
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1206724339
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame initiates the connection closing]
                [This frame initiates the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.433721000 seconds]
        [Time since previous frame in this TCP stream: 0.062119000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    114 1.509851       10.122.205.2          172.65.229.194        TLSv1.2  152    Application Data
Frame 114: 152 bytes on wire (1216 bits), 152 bytes captured (1216 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.447859000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.447859000 seconds
    [Time delta from previous captured frame: 0.000153000 seconds]
    [Time delta from previous displayed frame: 0.000153000 seconds]
    [Time since reference or first frame: 1.509851000 seconds]
    Frame Number: 114
    Frame Length: 152 bytes (1216 bits)
    Capture Length: 152 bytes (1216 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 138
    Identification: 0x6182 (24962)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 582, Ack: 4182, Len: 98
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 98]
    Sequence Number: 582    (relative sequence number)
    Sequence Number (raw): 3906626729
    [Next Sequence Number: 680    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x69fd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.736873000 seconds]
        [Time since previous frame in this TCP stream: 0.000402000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 162]
        [Bytes sent since last PSH flag: 98]
    TCP payload (98 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 93
```

```
        Encrypted Application Data: 2786f17c82354fb25ed0bdc1a89d2559738d122bece03d750a42155721a6824255c15851…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    115 1.510191       10.122.205.2          172.65.229.194        TCP      1436   61095 → 443 [ACK] Seq=680 Ack=4182
Win=130560 Len=1382 [TCP segment of a reassembled PDU]
Frame 115: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.448199000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.448199000 seconds
    [Time delta from previous captured frame: 0.000340000 seconds]
    [Time delta from previous displayed frame: 0.000340000 seconds]
    [Time since reference or first frame: 1.510191000 seconds]
    Frame Number: 115
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x6183 (24963)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 680, Ack: 4182, Len: 1382
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 680    (relative sequence number)
    Sequence Number (raw): 3906626827
    [Next Sequence Number: 2062    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
```

```
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x6f01 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.737213000 seconds]
        [Time since previous frame in this TCP stream: 0.000340000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 1544]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 116]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    116 1.510191       10.122.205.2          172.65.229.194        TLSv1.2  312    Application Data
Frame 116: 312 bytes on wire (2496 bits), 312 bytes captured (2496 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.448199000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.448199000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.510191000 seconds]
    Frame Number: 116
    Frame Length: 312 bytes (2496 bits)
    Capture Length: 312 bytes (2496 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 298
    Identification: 0x6184 (24964)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2062, Ack: 4182, Len: 258
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 258]
```

```
    Sequence Number: 2062    (relative sequence number)
    Sequence Number (raw): 3906628209
    [Next Sequence Number: 2320    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x6a9d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.737213000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 1802]
        [Bytes sent since last PSH flag: 1640]
    TCP payload (258 bytes)
    TCP segment data (258 bytes)
[2 Reassembled TCP Segments (1640 bytes): #115(1382), #116(258)]
    [Frame: 115, payload: 0-1381 (1382 bytes)]
    [Frame: 116, payload: 1382-1639 (258 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 1640]
    [Reassembled TCP Data: 1703030663121070be0a46ec7c65b93c3e0640046d87374acd6b609f641633a28f24d97d…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 1635
        Encrypted Application Data: 121070be0a46ec7c65b93c3e0640046d87374acd6b609f641633a28f24d97d4596dfa061…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    117 1.510282       10.122.205.2          172.65.229.194        TLSv1.2  152    Application Data
Frame 117: 152 bytes on wire (1216 bits), 152 bytes captured (1216 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.448290000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.448290000 seconds
    [Time delta from previous captured frame: 0.000091000 seconds]
    [Time delta from previous displayed frame: 0.000091000 seconds]
    [Time since reference or first frame: 1.510282000 seconds]
    Frame Number: 117
    Frame Length: 152 bytes (1216 bits)
    Capture Length: 152 bytes (1216 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 138
    Identification: 0x6185 (24965)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2320, Ack: 4182, Len: 98
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 98]
    Sequence Number: 2320    (relative sequence number)
    Sequence Number (raw): 3906628467
    [Next Sequence Number: 2418    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x69fd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.737304000 seconds]
        [Time since previous frame in this TCP stream: 0.000091000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 1900]
        [Bytes sent since last PSH flag: 98]
    TCP payload (98 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 93
        Encrypted Application Data: 2e1616d50e7e01bb986550e1345bfc93dafdef96a4511e2d693de56ec31f920906e55fc2…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    118 1.510332       10.122.205.2          172.65.229.194        TLSv1.2  184    Application Data
Frame 118: 184 bytes on wire (1472 bits), 184 bytes captured (1472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.448340000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821631.448340000 seconds
    [Time delta from previous captured frame: 0.000050000 seconds]
    [Time delta from previous displayed frame: 0.000050000 seconds]
    [Time since reference or first frame: 1.510332000 seconds]
    Frame Number: 118
    Frame Length: 184 bytes (1472 bits)
    Capture Length: 184 bytes (1472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 170
    Identification: 0x6186 (24966)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2418, Ack: 4182, Len: 130
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 130]
    Sequence Number: 2418    (relative sequence number)
    Sequence Number (raw): 3906628565
    [Next Sequence Number: 2548    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x6a1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.737354000 seconds]
        [Time since previous frame in this TCP stream: 0.000050000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 2030]
```

```
        [Bytes sent since last PSH flag: 130]
    TCP payload (130 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 125
        Encrypted Application Data: a3840105c81b07a91f612493b30433b15feca0198372428fb250906036c04159076a08c4…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    119 1.510361       10.122.205.2          172.65.229.194        TLSv1.2  184    Application Data
Frame 119: 184 bytes on wire (1472 bits), 184 bytes captured (1472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.448369000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.448369000 seconds
    [Time delta from previous captured frame: 0.000029000 seconds]
    [Time delta from previous displayed frame: 0.000029000 seconds]
    [Time since reference or first frame: 1.510361000 seconds]
    Frame Number: 119
    Frame Length: 184 bytes (1472 bits)
    Capture Length: 184 bytes (1472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 170
    Identification: 0x6187 (24967)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2548, Ack: 4182, Len: 130
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 130]
    Sequence Number: 2548    (relative sequence number)
    Sequence Number (raw): 3906628695
    [Next Sequence Number: 2678    (relative sequence number)]
    Acknowledgment Number: 4182    (relative ack number)
    Acknowledgment number (raw): 1406327281
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x6a1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.737383000 seconds]
        [Time since previous frame in this TCP stream: 0.000029000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 2160]
        [Bytes sent since last PSH flag: 130]
    TCP payload (130 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 125
        Encrypted Application Data: 6107d9b351bbf9ca73ee97b2009b754f72d33da688615bb728d93e6496fbf64d5a028ba5…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    120 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=4182 Ack=582
Win=65536 Len=0
Frame 120: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.281230000 seconds]
    [Time delta from previous displayed frame: 0.281230000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 120
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5d3 (50643)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f7c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 582, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 582    (relative ack number)
    Acknowledgment number (raw): 3906626729
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdaa0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.281230000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 112]
        [The RTT to ACK the segment was: 0.282142000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    121 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=4182 Ack=2062
Win=65536 Len=0
Frame 121: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 121
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5d5 (50645)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f7a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2062, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 2062    (relative ack number)
    Acknowledgment number (raw): 3906628209
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd4d8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 115]
        [The RTT to ACK the segment was: 0.281400000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    122 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=4182 Ack=2320
Win=65536 Len=0
Frame 122: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 122
```

```
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5d6 (50646)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f79 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2320, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 2320    (relative ack number)
    Acknowledgment number (raw): 3906628467
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd3d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 116]
        [The RTT to ACK the segment was: 0.281400000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    123 1.791591       172.65.229.194        10.122.205.2          TCP      66     [TCP Dup ACK 122#1] 443 → 61095 [ACK]
Seq=4182 Ack=2320 Win=65536 Len=0 SLE=2418 SRE=2548
```

```
Frame 123: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 123
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xc5d7 (50647)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f6c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2320, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 2320    (relative ack number)
    Acknowledgment number (raw): 3906628467
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
```

```
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xf3dc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 2418-2548
            Kind: SACK (5)
            Length: 10
            left edge = 2418 (relative)
            right edge = 2548 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 122]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    124 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=4182 Ack=2548
Win=65536 Len=0
Frame 124: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 124
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5d8 (50648)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f77 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2548, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 2548    (relative ack number)
    Acknowledgment number (raw): 3906628695
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd2f2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 118]
        [The RTT to ACK the segment was: 0.281259000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    125 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=4182 Ack=2678
Win=65536 Len=0
Frame 125: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 125
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5d9 (50649)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f76 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2678, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd270 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.018613000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 119]
        [The RTT to ACK the segment was: 0.281230000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    126 1.791591       172.65.229.194        10.122.205.2          TCP      60     443 → 61096 [ACK] Seq=1 Ack=519
Win=65536 Len=0
Frame 126: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 126
```

```
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7943 (31043)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x6c0c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 1, Ack: 519, Len: 0
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1206724339
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xf4cb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715614000 seconds]
        [Time since previous frame in this TCP stream: 0.281893000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 113]
        [The RTT to ACK the segment was: 0.281893000 seconds]
        [iRTT: 0.185149000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    127 1.791591       172.65.229.194        10.122.205.2          SSL      720    [TCP Previous segment not captured] ,
Continuation Data
```

```
Frame 127: 720 bytes on wire (5760 bits), 720 bytes captured (5760 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 127
    Frame Length: 720 bytes (5760 bits)
    Capture Length: 720 bytes (5760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 706
    Identification: 0x7945 (31045)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x6970 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 1383, Ack: 519, Len: 666
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 666]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1206725721
    [Next Sequence Number: 2049    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
```

```
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x521c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715614000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (666 bytes)
Transport Layer Security
No.     Time           Source                Destination           Protocol Length Info
    128 1.791591       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61096 [ACK]
Seq=1 Ack=519 Win=65536 Len=1382
Frame 128: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 128
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7944 (31044)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x66a5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 1, Ack: 519, Len: 1382
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
```

```
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1206724339
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x9c47 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715614000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    129 1.791591       172.65.229.194        10.122.205.2          SSL      805    [TCP Previous segment not captured] ,
Continuation Data
Frame 129: 805 bytes on wire (6440 bits), 805 bytes captured (6440 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 129
    Frame Length: 805 bytes (6440 bits)
    Capture Length: 805 bytes (6440 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 791
    Identification: 0x7947 (31047)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x6919 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 3431, Ack: 519, Len: 751
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 751]
    Sequence Number: 3431    (relative sequence number)
    Sequence Number (raw): 1206727769
    [Next Sequence Number: 4182    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdec3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715614000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (751 bytes)
Transport Layer Security
No.     Time           Source                Destination           Protocol Length Info
    130 1.791591       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61096 [ACK]
Seq=2049 Ack=519 Win=65536 Len=1382
Frame 130: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729599000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.791591000 seconds]
    Frame Number: 130
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7946 (31046)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x66a3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 2049, Ack: 519, Len: 1382
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 2049    (relative sequence number)
    Sequence Number (raw): 1206726387
    [Next Sequence Number: 3431    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd115 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715614000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
```

```
    131 1.791869       10.122.205.2          172.65.229.194        TCP      66     [TCP Dup ACK 95#1] 61096 → 443 [ACK]
Seq=519 Ack=1 Win=131072 Len=0 SLE=1383 SRE=2049
Frame 131: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729877000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729877000 seconds
    [Time delta from previous captured frame: 0.000278000 seconds]
    [Time delta from previous displayed frame: 0.000278000 seconds]
    [Time since reference or first frame: 1.791869000 seconds]
    Frame Number: 131
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6188 (24968)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 519, Ack: 1, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 492426466
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1206724339
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 1383-2049
            Kind: SACK (5)
            Length: 10
            left edge = 1383 (relative)
            right edge = 2049 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.715892000 seconds]
        [Time since previous frame in this TCP stream: 0.000278000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.185149000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 95]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    132 1.791991       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [RST, ACK] Seq=519
Ack=2049 Win=0 Len=0
Frame 132: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.729999000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.729999000 seconds
    [Time delta from previous captured frame: 0.000122000 seconds]
    [Time delta from previous displayed frame: 0.000122000 seconds]
    [Time since reference or first frame: 1.791991000 seconds]
    Frame Number: 132
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6189 (24969)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 519, Ack: 2049, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 492426466
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 2049    (relative ack number)
    Acknowledgment number (raw): 1206726387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x014 (RST, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A·R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.716014000 seconds]
        [Time since previous frame in this TCP stream: 0.000122000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 127]
        [The RTT to ACK the segment was: 0.000400000 seconds]
        [iRTT: 0.185149000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    133 1.792055       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [RST] Seq=519 Win=0 Len=0
Frame 133: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.730063000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.730063000 seconds
    [Time delta from previous captured frame: 0.000064000 seconds]
    [Time delta from previous displayed frame: 0.000064000 seconds]
    [Time since reference or first frame: 1.792055000 seconds]
    Frame Number: 133
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x618a (24970)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 492426466
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 492426466
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.716078000 seconds]
        [Time since previous frame in this TCP stream: 0.000064000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    134 1.792077       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [RST] Seq=519 Win=0 Len=0
Frame 134: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.730085000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.730085000 seconds
```

```
    [Time delta from previous captured frame: 0.000022000 seconds]
    [Time delta from previous displayed frame: 0.000022000 seconds]
    [Time since reference or first frame: 1.792077000 seconds]
    Frame Number: 134
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x618b (24971)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61096
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 492426466
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 492426466
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.716100000 seconds]
        [Time since previous frame in this TCP stream: 0.000022000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    135 1.864760       172.65.229.194        10.122.205.2          TCP      60     443 → 61096 [FIN, ACK] Seq=4182
Ack=519 Win=65536 Len=0
Frame 135: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.802768000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.802768000 seconds
    [Time delta from previous captured frame: 0.072683000 seconds]
    [Time delta from previous displayed frame: 0.072683000 seconds]
    [Time since reference or first frame: 1.864760000 seconds]
    Frame Number: 135
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7948 (31048)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x6c07 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61096, Seq: 4182, Ack: 519, Len: 0
    Source Port: 443
    Destination Port: 61096
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1206728520
    [Next Sequence Number: 4183    (relative sequence number)]
    Acknowledgment Number: 519    (relative ack number)
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame undergoes the connection closing]
                [This frame undergoes the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xe475 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.788783000 seconds]
        [Time since previous frame in this TCP stream: 0.072683000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    136 1.864867       10.122.205.2          172.65.229.194        TCP      54     61096 → 443 [RST] Seq=519 Win=0 Len=0
Frame 136: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.802875000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.802875000 seconds
    [Time delta from previous captured frame: 0.000107000 seconds]
    [Time delta from previous displayed frame: 0.000107000 seconds]
    [Time since reference or first frame: 1.864867000 seconds]
    Frame Number: 136
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x618c (24972)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61096, Dst Port: 443, Seq: 519, Len: 0
    Source Port: 61096
```

```
    Destination Port: 443
    [Stream index: 5]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 519    (relative sequence number)
    Sequence Number (raw): 492426466
    [Next Sequence Number: 519    (relative sequence number)]
    Acknowledgment Number: 492426466
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 492426466
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.788890000 seconds]
        [Time since previous frame in this TCP stream: 0.000107000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    137 1.866427       172.65.229.194        10.122.205.2          TLSv1.2  309    Application Data
Frame 137: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.804435000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.804435000 seconds
    [Time delta from previous captured frame: 0.001560000 seconds]
    [Time delta from previous displayed frame: 0.001560000 seconds]
    [Time since reference or first frame: 1.866427000 seconds]
    Frame Number: 137
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0xc5da (50650)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1e76 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4182, Ack: 2678, Len: 255
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 255]
    Sequence Number: 4182    (relative sequence number)
    Sequence Number (raw): 1406327281
    [Next Sequence Number: 4437    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x829d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.093449000 seconds]
        [Time since previous frame in this TCP stream: 0.074836000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 255]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
        Encrypted Application Data: 2e243569a31ca6ebf2b07aa43ce0756144bdc62bef9699581743ce2596a1a6993142e467…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    138 1.866427       172.65.229.194        10.122.205.2          TLSv1.2  309    Application Data
Frame 138: 309 bytes on wire (2472 bits), 309 bytes captured (2472 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.804435000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.804435000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.866427000 seconds]
    Frame Number: 138
    Frame Length: 309 bytes (2472 bits)
    Capture Length: 309 bytes (2472 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 295
    Identification: 0xc5db (50651)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1e75 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4437, Ack: 2678, Len: 255
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 255]
    Sequence Number: 4437    (relative sequence number)
    Sequence Number (raw): 1406327536
    [Next Sequence Number: 4692    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0afa [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.093449000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 510]
        [Bytes sent since last PSH flag: 255]
    TCP payload (255 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 250
```

```
        Encrypted Application Data: 9d3eee362ab225a432f63548d1222f963e90dbc01ae35b97fc1e2889e6514a70fbd28b74…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    139 1.866427       172.65.229.194        10.122.205.2          TLSv1.2  118    Application Data
Frame 139: 118 bytes on wire (944 bits), 118 bytes captured (944 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.804435000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.804435000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.866427000 seconds]
    Frame Number: 139
    Frame Length: 118 bytes (944 bits)
    Capture Length: 118 bytes (944 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 104
    Identification: 0xc5dc (50652)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f33 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4692, Ack: 2678, Len: 64
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 64]
    Sequence Number: 4692    (relative sequence number)
    Sequence Number (raw): 1406327791
    [Next Sequence Number: 4756    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x7e08 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.093449000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 574]
        [Bytes sent since last PSH flag: 64]
    TCP payload (64 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 59
        Encrypted Application Data: 9393d935260be982ffe1a92ded0bb5bba6fae614547d039d7f37ae814c3d80c3847cfc78…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    140 1.866625       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2678 Ack=4756
Win=129792 Len=0
Frame 140: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.804633000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.804633000 seconds
    [Time delta from previous captured frame: 0.000198000 seconds]
    [Time delta from previous displayed frame: 0.000198000 seconds]
    [Time since reference or first frame: 1.866625000 seconds]
    Frame Number: 140
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x618d (24973)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2678, Ack: 4756, Len: 0
```

```
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2678    (relative sequence number)
    Sequence Number (raw): 3906628825
    [Next Sequence Number: 2678    (relative sequence number)]
    Acknowledgment Number: 4756    (relative ack number)
    Acknowledgment number (raw): 1406327855
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 129792]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.093647000 seconds]
        [Time since previous frame in this TCP stream: 0.000198000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 139]
        [The RTT to ACK the segment was: 0.000198000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    141 1.866972       10.122.205.2          172.65.229.194        TLSv1.2  85     Application Data
Frame 141: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.804980000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.804980000 seconds
    [Time delta from previous captured frame: 0.000347000 seconds]
    [Time delta from previous displayed frame: 0.000347000 seconds]
    [Time since reference or first frame: 1.866972000 seconds]
    Frame Number: 141
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0x618e (24974)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2678, Ack: 4756, Len: 31
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 31]
    Sequence Number: 2678    (relative sequence number)
    Sequence Number (raw): 3906628825
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 4756    (relative ack number)
    Acknowledgment number (raw): 1406327855
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 507
    [Calculated window size: 129792]
    [Window size scaling factor: 256]
    Checksum: 0x69ba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.093994000 seconds]
        [Time since previous frame in this TCP stream: 0.000347000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 26
        Encrypted Application Data: 1598dce9427634c71baa2fac95dc601944f576d594e67f670688
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    142 1.868721       172.65.229.194        10.122.205.2          TLSv1.2  102    Application Data
Frame 142: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.806729000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.806729000 seconds
    [Time delta from previous captured frame: 0.001749000 seconds]
    [Time delta from previous displayed frame: 0.001749000 seconds]
    [Time since reference or first frame: 1.868721000 seconds]
    Frame Number: 142
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0xc5dd (50653)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f42 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4756, Ack: 2678, Len: 48
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 48]
    Sequence Number: 4756    (relative sequence number)
    Sequence Number (raw): 1406327855
    [Next Sequence Number: 4804    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdce3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.095743000 seconds]
        [Time since previous frame in this TCP stream: 0.001749000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 48]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: 45b8b4d9878c21d3560366580cfbaad920d5e5947626915ebdb7a1dc299d9e84b65227be…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
    143 1.868721       172.65.229.194        10.122.205.2          TLSv1.2  102    Application Data
Frame 143: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.806729000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.806729000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.868721000 seconds]
    Frame Number: 143
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0xc5de (50654)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f41 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4804, Ack: 2678, Len: 48
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 48]
    Sequence Number: 4804    (relative sequence number)
    Sequence Number (raw): 1406327903
    [Next Sequence Number: 4852    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
```

```
    [Window size scaling factor: 8192]
    Checksum: 0x5bc1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.095743000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 96]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: de27e82ad5c75a2f01aad6db8b62db1b6c6f3743ddf7074a768dc1da711af94beff40790…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    144 1.868865       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2709 Ack=4852
Win=129792 Len=0
Frame 144: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.806873000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.806873000 seconds
    [Time delta from previous captured frame: 0.000144000 seconds]
    [Time delta from previous displayed frame: 0.000144000 seconds]
    [Time since reference or first frame: 1.868865000 seconds]
    Frame Number: 144
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x618f (24975)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 4852, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 4852    (relative ack number)
    Acknowledgment number (raw): 1406327951
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 129792]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.095887000 seconds]
        [Time since previous frame in this TCP stream: 0.000144000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 143]
        [The RTT to ACK the segment was: 0.000144000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    145 1.870112       172.65.229.194        10.122.205.2          TLSv1.2  297    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 145: 297 bytes on wire (2376 bits), 297 bytes captured (2376 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808120000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808120000 seconds
    [Time delta from previous captured frame: 0.001247000 seconds]
    [Time delta from previous displayed frame: 0.001247000 seconds]
    [Time since reference or first frame: 1.870112000 seconds]
    Frame Number: 145
    Frame Length: 297 bytes (2376 bits)
    Capture Length: 297 bytes (2376 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 283
    Identification: 0xc5e0 (50656)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1e7c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 6234, Ack: 2678, Len: 243
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 243]
    Sequence Number: 6234    (relative sequence number)
    Sequence Number (raw): 1406329333
    [Next Sequence Number: 6477    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x223e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.097134000 seconds]
        [Time since previous frame in this TCP stream: 0.001247000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (243 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    146 1.870112       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61095 [ACK]
Seq=4852 Ack=2678 Win=65536 Len=1382
Frame 146: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808120000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808120000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.870112000 seconds]
    Frame Number: 146
    Frame Length: 1436 bytes (11488 bits)
```

```
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xc5df (50655)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1a0a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 4852, Ack: 2678, Len: 1382
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4852    (relative sequence number)
    Sequence Number (raw): 1406327951
    [Next Sequence Number: 6234    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x7b0d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.097134000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
```

```
No.     Time           Source                Destination           Protocol Length Info
    147 1.870181       10.122.205.2          172.65.229.194        TCP      66     [TCP Dup ACK 144#1] 61095 → 443 [ACK]
Seq=2709 Ack=4852 Win=129792 Len=0 SLE=6234 SRE=6477
Frame 147: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808189000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808189000 seconds
    [Time delta from previous captured frame: 0.000069000 seconds]
    [Time delta from previous displayed frame: 0.000069000 seconds]
    [Time since reference or first frame: 1.870181000 seconds]
    Frame Number: 147
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6190 (24976)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 4852, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 4852    (relative ack number)
    Acknowledgment number (raw): 1406327951
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 129792]
    [Window size scaling factor: 256]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 6234-6477
            Kind: SACK (5)
            Length: 10
            left edge = 6234 (relative)
            right edge = 6477 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 1.097203000 seconds]
        [Time since previous frame in this TCP stream: 0.000069000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 144]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    148 1.870307       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2709 Ack=6477
Win=131072 Len=0
Frame 148: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808315000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808315000 seconds
    [Time delta from previous captured frame: 0.000126000 seconds]
    [Time delta from previous displayed frame: 0.000126000 seconds]
    [Time since reference or first frame: 1.870307000 seconds]
    Frame Number: 148
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6191 (24977)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
```

```
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 6477, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 6477    (relative ack number)
    Acknowledgment number (raw): 1406329576
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.097329000 seconds]
        [Time since previous frame in this TCP stream: 0.000126000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 145]
        [The RTT to ACK the segment was: 0.000195000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    149 1.870987       172.65.229.194        10.122.205.2          TLSv1.2  300    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 149: 300 bytes on wire (2400 bits), 300 bytes captured (2400 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808995000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808995000 seconds
    [Time delta from previous captured frame: 0.000680000 seconds]
    [Time delta from previous displayed frame: 0.000680000 seconds]
    [Time since reference or first frame: 1.870987000 seconds]
    Frame Number: 149
    Frame Length: 300 bytes (2400 bits)
    Capture Length: 300 bytes (2400 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 286
    Identification: 0xc5e2 (50658)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1e77 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 7859, Ack: 2678, Len: 246
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 246]
    Sequence Number: 7859    (relative sequence number)
    Sequence Number (raw): 1406330958
    [Next Sequence Number: 8105    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xa69a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.098009000 seconds]
        [Time since previous frame in this TCP stream: 0.000680000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (246 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    150 1.870987       172.65.229.194        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61095 [ACK]
Seq=6477 Ack=2678 Win=65536 Len=1382
Frame 150: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
```

```
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.808995000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.808995000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 1.870987000 seconds]
    Frame Number: 150
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xc5e1 (50657)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1a08 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 6477, Ack: 2678, Len: 1382
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 6477    (relative sequence number)
    Sequence Number (raw): 1406329576
    [Next Sequence Number: 7859    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xdfc7 [unverified]
```

```
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.098009000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    151 1.871057       10.122.205.2          172.65.229.194        TCP      66     [TCP Dup ACK 148#1] 61095 → 443 [ACK]
Seq=2709 Ack=6477 Win=131072 Len=0 SLE=7859 SRE=8105
Frame 151: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.809065000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.809065000 seconds
    [Time delta from previous captured frame: 0.000070000 seconds]
    [Time delta from previous displayed frame: 0.000070000 seconds]
    [Time since reference or first frame: 1.871057000 seconds]
    Frame Number: 151
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x6192 (24978)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 6477, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
```

```
    Acknowledgment Number: 6477    (relative ack number)
    Acknowledgment number (raw): 1406329576
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69a7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 7859-8105
            Kind: SACK (5)
            Length: 10
            left edge = 7859 (relative)
            right edge = 8105 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 1.098079000 seconds]
        [Time since previous frame in this TCP stream: 0.000070000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 148]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    152 1.871137       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2709 Ack=8105
Win=131072 Len=0
Frame 152: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.809145000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.809145000 seconds
    [Time delta from previous captured frame: 0.000080000 seconds]
    [Time delta from previous displayed frame: 0.000080000 seconds]
    [Time since reference or first frame: 1.871137000 seconds]
    Frame Number: 152
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6193 (24979)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 8105, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 8105    (relative ack number)
    Acknowledgment number (raw): 1406331204
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.098159000 seconds]
        [Time since previous frame in this TCP stream: 0.000080000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 149]
        [The RTT to ACK the segment was: 0.000150000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    153 1.874380       172.65.229.194        10.122.205.2          TLSv1.2  85     Application Data
Frame 153: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.812388000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.812388000 seconds
    [Time delta from previous captured frame: 0.003243000 seconds]
    [Time delta from previous displayed frame: 0.003243000 seconds]
    [Time since reference or first frame: 1.874380000 seconds]
    Frame Number: 153
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0xc5e3 (50659)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f4d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 8105, Ack: 2678, Len: 31
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 31]
    Sequence Number: 8105    (relative sequence number)
    Sequence Number (raw): 1406331204
    [Next Sequence Number: 8136    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x18ca [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.101402000 seconds]
        [Time since previous frame in this TCP stream: 0.003243000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 26
```

```
        Encrypted Application Data: 32af8ed311cb485bfbd0a4403416843bb711d0340235172514c9
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    154 1.885464       10.122.205.2          172.65.229.194        TLSv1.3  123    Application Data
Frame 154: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.823472000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.823472000 seconds
    [Time delta from previous captured frame: 0.011084000 seconds]
    [Time delta from previous displayed frame: 0.011084000 seconds]
    [Time since reference or first frame: 1.885464000 seconds]
    Frame Number: 154
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x6194 (24980)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 2805, Ack: 6469, Len: 69
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 69]
    Sequence Number: 2805    (relative sequence number)
    Sequence Number (raw): 4237000769
    [Next Sequence Number: 2874    (relative sequence number)]
    Acknowledgment Number: 6469    (relative ack number)
    Acknowledgment number (raw): 4003908407
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69e0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.882043000 seconds]
        [Time since previous frame in this TCP stream: 0.534028000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 69]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: b29b6f1ea5ca54da4eb8d554a1d7781069a25b654ce240e9a4a6969bf4ee1afb0bb43f9b…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    155 1.885599       10.122.205.2          172.65.229.194        TLSv1.3  708    Application Data
Frame 155: 708 bytes on wire (5664 bits), 708 bytes captured (5664 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.823607000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.823607000 seconds
    [Time delta from previous captured frame: 0.000135000 seconds]
    [Time delta from previous displayed frame: 0.000135000 seconds]
    [Time since reference or first frame: 1.885599000 seconds]
    Frame Number: 155
    Frame Length: 708 bytes (5664 bits)
    Capture Length: 708 bytes (5664 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 694
    Identification: 0x6195 (24981)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 2874, Ack: 6469, Len: 654
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
```

```
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 654]
    Sequence Number: 2874    (relative sequence number)
    Sequence Number (raw): 4237000838
    [Next Sequence Number: 3528    (relative sequence number)]
    Acknowledgment Number: 6469    (relative ack number)
    Acknowledgment number (raw): 4003908407
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6c29 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.882178000 seconds]
        [Time since previous frame in this TCP stream: 0.000135000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 723]
        [Bytes sent since last PSH flag: 654]
    TCP payload (654 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 649
        Encrypted Application Data: 38f59c760c527809e9b6142518a92fd2dfc576569107a297d02cca5d64bb4bd27f65c73c…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    156 1.889146       10.122.205.2          172.65.229.194        TLSv1.3  123    Application Data
Frame 156: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.827154000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.827154000 seconds
    [Time delta from previous captured frame: 0.003547000 seconds]
    [Time delta from previous displayed frame: 0.003547000 seconds]
    [Time since reference or first frame: 1.889146000 seconds]
    Frame Number: 156
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x6196 (24982)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 3528, Ack: 6469, Len: 69
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 69]
    Sequence Number: 3528    (relative sequence number)
    Sequence Number (raw): 4237001492
    [Next Sequence Number: 3597    (relative sequence number)]
    Acknowledgment Number: 6469    (relative ack number)
    Acknowledgment number (raw): 4003908407
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x69e0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.885725000 seconds]
        [Time since previous frame in this TCP stream: 0.003547000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 792]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: 49c9666b64b2dff2b3f2a17811b3646983792db035a9672c9f186a3bd1b82db16a07eb78…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    157 1.889232       10.122.205.2          172.65.229.194        TLSv1.3  678    Application Data
Frame 157: 678 bytes on wire (5424 bits), 678 bytes captured (5424 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.827240000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.827240000 seconds
    [Time delta from previous captured frame: 0.000086000 seconds]
    [Time delta from previous displayed frame: 0.000086000 seconds]
    [Time since reference or first frame: 1.889232000 seconds]
    Frame Number: 157
    Frame Length: 678 bytes (5424 bits)
    Capture Length: 678 bytes (5424 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 664
    Identification: 0x6197 (24983)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 3597, Ack: 6469, Len: 624
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 624]
    Sequence Number: 3597    (relative sequence number)
    Sequence Number (raw): 4237001561
    [Next Sequence Number: 4221    (relative sequence number)]
    Acknowledgment Number: 6469    (relative ack number)
    Acknowledgment number (raw): 4003908407
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x6c0b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.885811000 seconds]
        [Time since previous frame in this TCP stream: 0.000086000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1416]
        [Bytes sent since last PSH flag: 624]
    TCP payload (624 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 619
        Encrypted Application Data: 4352f4214d52baa49f27b35bac8057e0afd63861c1f9cbf0110bb5c5a551b9988792b026…
```

```
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    158 1.892550       10.122.205.2          239.255.255.250       SSDP     143    M-SEARCH * HTTP/1.1
Frame 158: 143 bytes on wire (1144 bits), 143 bytes captured (1144 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.830558000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.830558000 seconds
    [Time delta from previous captured frame: 0.003318000 seconds]
    [Time delta from previous displayed frame: 0.003318000 seconds]
    [Time since reference or first frame: 1.892550000 seconds]
    Frame Number: 158
    Frame Length: 143 bytes (1144 bits)
    Capture Length: 143 bytes (1144 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:ssdp]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
    Destination: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        Address: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 239.255.255.250
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 129
    Identification: 0x5646 (22086)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 4
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 239.255.255.250
User Datagram Protocol, Src Port: 56317, Dst Port: 1900
    Source Port: 56317
    Destination Port: 1900
    Length: 109
    Checksum: 0xcd18 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (101 bytes)
Simple Service Discovery Protocol
    M-SEARCH * HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): M-SEARCH * HTTP/1.1\r\n]
            [M-SEARCH * HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: M-SEARCH
        Request URI: *
        Request Version: HTTP/1.1
    Host: 239.255.255.250:1900\r\n
    ST: upnp:rootdevice\r\n
    Man: "ssdp:discover"\r\n
    MX: 3\r\n
```

```
    \r\n
    [Full request URI: http://239.255.255.250:1900*]
    [HTTP request 1/3]
    [Next request in frame: 392]
No.     Time           Source                Destination           Protocol Length Info
    159 1.913918       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2709 Ack=8136
Win=131072 Len=0
Frame 159: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:51.851926000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821631.851926000 seconds
    [Time delta from previous captured frame: 0.021368000 seconds]
    [Time delta from previous displayed frame: 0.021368000 seconds]
    [Time since reference or first frame: 1.913918000 seconds]
    Frame Number: 159
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6198 (24984)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 8136, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 8136    (relative ack number)
    Acknowledgment number (raw): 1406331235
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.140940000 seconds]
        [Time since previous frame in this TCP stream: 0.039538000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 153]
        [The RTT to ACK the segment was: 0.039538000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    160 2.102676       172.65.229.194        10.122.205.2          TLSv1.2  85     Application Data
Frame 160: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.188758000 seconds]
    [Time delta from previous displayed frame: 0.188758000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 160
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0xc5e4 (50660)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f4c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 8136, Ack: 2678, Len: 31
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 31]
    Sequence Number: 8136    (relative sequence number)
```

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    Sequence Number (raw): 1406331235
    [Next Sequence Number: 8167    (relative sequence number)]
    Acknowledgment Number: 2678    (relative ack number)
    Acknowledgment number (raw): 3906628825
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xe2e1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.329698000 seconds]
        [Time since previous frame in this TCP stream: 0.188758000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.201134000 seconds]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 26
        Encrypted Application Data: fbb13eb333742427bd1af98f8c31f4ad9c291e0feff74f892f67
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    161 2.102676       172.65.229.194        10.122.205.2          TCP      60     443 → 61095 [ACK] Seq=8167 Ack=2709
Win=65536 Len=0
Frame 161: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 161
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xc5e5 (50661)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 44
    Protocol: TCP (6)
    Header Checksum: 0x1f6a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61095, Seq: 8167, Ack: 2709, Len: 0
    Source Port: 443
    Destination Port: 61095
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 8167    (relative sequence number)
    Sequence Number (raw): 1406331266
    [Next Sequence Number: 8167    (relative sequence number)]
    Acknowledgment Number: 2709    (relative ack number)
    Acknowledgment number (raw): 3906628856
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xc2c0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.329698000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 141]
        [The RTT to ACK the segment was: 0.235704000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    162 2.102676       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=6469 Ack=2874
Win=65536 Len=0
Frame 162: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 162
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88c9 (35017)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b86 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6469, Ack: 2874, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 6469    (relative sequence number)
    Sequence Number (raw): 4003908407
    [Next Sequence Number: 6469    (relative sequence number)]
    Acknowledgment Number: 2874    (relative ack number)
    Acknowledgment number (raw): 4237000838
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x1efa [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.099255000 seconds]
        [Time since previous frame in this TCP stream: 0.213444000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 154]
        [The RTT to ACK the segment was: 0.217212000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    163 2.102676       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=6469 Ack=3528
Win=65536 Len=0
Frame 163: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 163
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88ca (35018)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b85 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6469, Ack: 3528, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 6469    (relative sequence number)
    Sequence Number (raw): 4003908407
    [Next Sequence Number: 6469    (relative sequence number)]
    Acknowledgment Number: 3528    (relative ack number)
    Acknowledgment number (raw): 4237001492
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x1c6c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.099255000 seconds]
```

```
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 155]
        [The RTT to ACK the segment was: 0.217077000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    164 2.102676       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=6469 Ack=3597
Win=65536 Len=0
Frame 164: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 164
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88cb (35019)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b84 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6469, Ack: 3597, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 6469    (relative sequence number)
    Sequence Number (raw): 4003908407
    [Next Sequence Number: 6469    (relative sequence number)]
    Acknowledgment Number: 3597    (relative ack number)
    Acknowledgment number (raw): 4237001561
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x1c27 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.099255000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 156]
        [The RTT to ACK the segment was: 0.213530000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    165 2.102676       172.65.229.194        10.122.205.2          TCP      60     443 → 61093 [ACK] Seq=6469 Ack=4221
Win=65536 Len=0
Frame 165: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.040684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.040684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.102676000 seconds]
    Frame Number: 165
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x88cc (35020)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b83 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6469, Ack: 4221, Len: 0
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
```

```
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 6469    (relative sequence number)
    Sequence Number (raw): 4003908407
    [Next Sequence Number: 6469    (relative sequence number)]
    Acknowledgment Number: 4221    (relative ack number)
    Acknowledgment number (raw): 4237002185
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x19b7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.099255000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 157]
        [The RTT to ACK the segment was: 0.213444000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    166 2.142935       10.122.205.2          172.65.229.194        TCP      54     61095 → 443 [ACK] Seq=2709 Ack=8167
Win=131072 Len=0
Frame 166: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.080943000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.080943000 seconds
    [Time delta from previous captured frame: 0.040259000 seconds]
    [Time delta from previous displayed frame: 0.040259000 seconds]
    [Time since reference or first frame: 2.142935000 seconds]
    Frame Number: 166
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x6199 (24985)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
```

```
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61095, Dst Port: 443, Seq: 2709, Ack: 8167, Len: 0
    Source Port: 61095
    Destination Port: 443
    [Stream index: 4]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2709    (relative sequence number)
    Sequence Number (raw): 3906628856
    [Next Sequence Number: 2709    (relative sequence number)]
    Acknowledgment Number: 8167    (relative ack number)
    Acknowledgment number (raw): 1406331266
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.369957000 seconds]
        [Time since previous frame in this TCP stream: 0.040259000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 160]
        [The RTT to ACK the segment was: 0.040259000 seconds]
        [iRTT: 0.201134000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    167 2.303067       172.65.229.194        10.122.205.2          TLSv1.3  102    Application Data
Frame 167: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.241075000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.241075000 seconds
    [Time delta from previous captured frame: 0.160132000 seconds]
    [Time delta from previous displayed frame: 0.160132000 seconds]
    [Time since reference or first frame: 2.303067000 seconds]
    Frame Number: 167
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0x88cd (35021)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b52 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6469, Ack: 4221, Len: 48
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 48]
    Sequence Number: 6469    (relative sequence number)
    Sequence Number (raw): 4003908407
    [Next Sequence Number: 6517    (relative sequence number)]
    Acknowledgment Number: 4221    (relative ack number)
    Acknowledgment number (raw): 4237002185
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x9e5b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.299646000 seconds]
        [Time since previous frame in this TCP stream: 0.200391000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 48]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: 12467036a4c57c5bf4ff944512b4eaacf59131c2282db85310bc6f7989562e920bf97f06…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    168 2.303067       172.65.229.194        10.122.205.2          TLSv1.3  412    Application Data
Frame 168: 412 bytes on wire (3296 bits), 412 bytes captured (3296 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.241075000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.241075000 seconds
```

```
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.303067000 seconds]
    Frame Number: 168
    Frame Length: 412 bytes (3296 bits)
    Capture Length: 412 bytes (3296 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 398
    Identification: 0x88ce (35022)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a1b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6517, Ack: 4221, Len: 358
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 358]
    Sequence Number: 6517    (relative sequence number)
    Sequence Number (raw): 4003908455
    [Next Sequence Number: 6875    (relative sequence number)]
    Acknowledgment Number: 4221    (relative ack number)
    Acknowledgment number (raw): 4237002185
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd014 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.299646000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 406]
        [Bytes sent since last PSH flag: 358]
    TCP payload (358 bytes)
```

```
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 353
        Encrypted Application Data: 9721ec2abb84864cbd7399296398798f194f4fb0ad76b0342c32f30d2e08454fd88214e4…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    169 2.303067       172.65.229.194        10.122.205.2          TLSv1.3  102    Application Data
Frame 169: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.241075000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.241075000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.303067000 seconds]
    Frame Number: 169
    Frame Length: 102 bytes (816 bits)
    Capture Length: 102 bytes (816 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 88
    Identification: 0x88cf (35023)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5b50 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6875, Ack: 4221, Len: 48
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 48]
    Sequence Number: 6875    (relative sequence number)
    Sequence Number (raw): 4003908813
    [Next Sequence Number: 6923    (relative sequence number)]
    Acknowledgment Number: 4221    (relative ack number)
    Acknowledgment number (raw): 4237002185
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x481b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.299646000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 454]
        [Bytes sent since last PSH flag: 48]
    TCP payload (48 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 43
        Encrypted Application Data: 14f2a9717d938d3b2871a394aac740647bce506efe63a448eb646120839171177efb0e0d…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    170 2.303067       172.65.229.194        10.122.205.2          TLSv1.3  410    Application Data
Frame 170: 410 bytes on wire (3280 bits), 410 bytes captured (3280 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.241075000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.241075000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.303067000 seconds]
    Frame Number: 170
    Frame Length: 410 bytes (3280 bits)
    Capture Length: 410 bytes (3280 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 172.65.229.194, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 396
    Identification: 0x88d0 (35024)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0x5a1b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 172.65.229.194
```

```
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61093, Seq: 6923, Ack: 4221, Len: 356
    Source Port: 443
    Destination Port: 61093
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 356]
    Sequence Number: 6923    (relative sequence number)
    Sequence Number (raw): 4003908861
    [Next Sequence Number: 7279    (relative sequence number)]
    Acknowledgment Number: 4221    (relative ack number)
    Acknowledgment number (raw): 4237002185
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xcebe [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.299646000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 810]
        [Bytes sent since last PSH flag: 356]
    TCP payload (356 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 351
        Encrypted Application Data: 178617f66018fd30c99ea061f288a05faeff6860608b0c5fd689c37b429e10b464f06b3d…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    171 2.303274       10.122.205.2          172.65.229.194        TCP      54     61093 → 443 [ACK] Seq=4221 Ack=7279
Win=512 Len=0
Frame 171: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.241282000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.241282000 seconds
    [Time delta from previous captured frame: 0.000207000 seconds]
    [Time delta from previous displayed frame: 0.000207000 seconds]
    [Time since reference or first frame: 2.303274000 seconds]
    Frame Number: 171
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 172.65.229.194
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x619a (24986)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 172.65.229.194
Transmission Control Protocol, Src Port: 61093, Dst Port: 443, Seq: 4221, Ack: 7279, Len: 0
    Source Port: 61093
    Destination Port: 443
    [Stream index: 1]
    [Conversation completeness: Incomplete (14)]
    [TCP Segment Len: 0]
    Sequence Number: 4221    (relative sequence number)
    Sequence Number (raw): 4237002185
    [Next Sequence Number: 4221    (relative sequence number)]
    Acknowledgment Number: 7279    (relative ack number)
    Acknowledgment number (raw): 4003909217
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x699b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.299853000 seconds]
        [Time since previous frame in this TCP stream: 0.000207000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 170]
        [The RTT to ACK the segment was: 0.000207000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    172 2.687224       10.122.205.2          10.3.9.45             DNS      72     Standard query 0xc94e A www.bing.com
Frame 172: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.625232000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.625232000 seconds
    [Time delta from previous captured frame: 0.383950000 seconds]
    [Time delta from previous displayed frame: 0.383950000 seconds]
    [Time since reference or first frame: 2.687224000 seconds]
    Frame Number: 172
    Frame Length: 72 bytes (576 bits)
    Capture Length: 72 bytes (576 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 58
    Identification: 0x8955 (35157)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 51897, Dst Port: 53
    Source Port: 51897
    Destination Port: 53
    Length: 38
    Checksum: 0xeae3 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 1]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (30 bytes)
Domain Name System (query)
    Transaction ID: 0xc94e
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bing.com: type A, class IN
            Name: www.bing.com
            [Name Length: 12]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 174]
No.     Time           Source                Destination           Protocol Length Info
    173 2.687865       10.122.205.2          10.3.9.45             DNS      72     Standard query 0x500a HTTPS
www.bing.com
Frame 173: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.625873000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.625873000 seconds
    [Time delta from previous captured frame: 0.000641000 seconds]
    [Time delta from previous displayed frame: 0.000641000 seconds]
    [Time since reference or first frame: 2.687865000 seconds]
    Frame Number: 173
    Frame Length: 72 bytes (576 bits)
    Capture Length: 72 bytes (576 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 58
    Identification: 0x8956 (35158)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 50917, Dst Port: 53
    Source Port: 50917
    Destination Port: 53
    Length: 38
    Checksum: 0xeae3 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 2]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (30 bytes)
Domain Name System (query)
    Transaction ID: 0x500a
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bing.com: type HTTPS, class IN
            Name: www.bing.com
            [Name Length: 12]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 175]
No.     Time           Source                Destination           Protocol Length Info
```

```
    174 2.691676       10.3.9.45             10.122.205.2          DNS      226    Standard query response 0xc94e A
www.bing.com CNAME www-www.bing.com.trafficmanager.net CNAME cn-bing-com.cn.a-0001.a-msedge.net CNAME china.bing123.com
A 202.89.233.100 A 202.89.233.101
Frame 174: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.629684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.629684000 seconds
    [Time delta from previous captured frame: 0.003811000 seconds]
    [Time delta from previous displayed frame: 0.003811000 seconds]
    [Time since reference or first frame: 2.691676000 seconds]
    Frame Number: 174
    Frame Length: 226 bytes (1808 bits)
    Capture Length: 226 bytes (1808 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 212
    Identification: 0xa089 (41097)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf4e3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 51897
    Source Port: 53
    Destination Port: 51897
    Length: 192
    Checksum: 0xb23e [unverified]
    [Checksum Status: Unverified]
    [Stream index: 1]
    [Timestamps]
        [Time since first frame: 0.004452000 seconds]
        [Time since previous frame: 0.004452000 seconds]
    UDP payload (184 bytes)
Domain Name System (response)
    Transaction ID: 0xc94e
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
```

```
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 5
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bing.com: type A, class IN
            Name: www.bing.com
            [Name Length: 12]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        www.bing.com: type CNAME, class IN, cname www-www.bing.com.trafficmanager.net
            Name: www.bing.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 809 (13 minutes, 29 seconds)
            Data length: 37
            CNAME: www-www.bing.com.trafficmanager.net
        www-www.bing.com.trafficmanager.net: type CNAME, class IN, cname cn-bing-com.cn.a-0001.a-msedge.net
            Name: www-www.bing.com.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 68 (1 minute, 8 seconds)
            Data length: 33
            CNAME: cn-bing-com.cn.a-0001.a-msedge.net
        cn-bing-com.cn.a-0001.a-msedge.net: type CNAME, class IN, cname china.bing123.com
            Name: cn-bing-com.cn.a-0001.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 384 (6 minutes, 24 seconds)
            Data length: 16
            CNAME: china.bing123.com
        china.bing123.com: type A, class IN, addr 202.89.233.100
            Name: china.bing123.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 194 (3 minutes, 14 seconds)
            Data length: 4
            Address: 202.89.233.100
        china.bing123.com: type A, class IN, addr 202.89.233.101
            Name: china.bing123.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 194 (3 minutes, 14 seconds)
            Data length: 4
            Address: 202.89.233.101
    [Request In: 172]
    [Time: 0.004452000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    175 2.691676       10.3.9.45             10.122.205.2          DNS      277    Standard query response 0x500a HTTPS
www.bing.com CNAME www-www.bing.com.trafficmanager.net CNAME cn-bing-com.cn.a-0001.a-msedge.net CNAME china.bing123.com
SOA ns1-04.azure-dns.com
Frame 175: 277 bytes on wire (2216 bits), 277 bytes captured (2216 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.629684000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.629684000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.691676000 seconds]
    Frame Number: 175
    Frame Length: 277 bytes (2216 bits)
    Capture Length: 277 bytes (2216 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 263
    Identification: 0x65d6 (26070)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2f64 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 50917
    Source Port: 53
    Destination Port: 50917
    Length: 243
    Checksum: 0x8796 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 2]
    [Timestamps]
        [Time since first frame: 0.003811000 seconds]
        [Time since previous frame: 0.003811000 seconds]
    UDP payload (235 bytes)
Domain Name System (response)
    Transaction ID: 0x500a
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 1
    Additional RRs: 0
    Queries
        www.bing.com: type HTTPS, class IN
            Name: www.bing.com
            [Name Length: 12]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        www.bing.com: type CNAME, class IN, cname www-www.bing.com.trafficmanager.net
            Name: www.bing.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 809 (13 minutes, 29 seconds)
            Data length: 37
            CNAME: www-www.bing.com.trafficmanager.net
        www-www.bing.com.trafficmanager.net: type CNAME, class IN, cname cn-bing-com.cn.a-0001.a-msedge.net
            Name: www-www.bing.com.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 68 (1 minute, 8 seconds)
            Data length: 33
```

```
            CNAME: cn-bing-com.cn.a-0001.a-msedge.net
        cn-bing-com.cn.a-0001.a-msedge.net: type CNAME, class IN, cname china.bing123.com
            Name: cn-bing-com.cn.a-0001.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 384 (6 minutes, 24 seconds)
            Data length: 16
            CNAME: china.bing123.com
    Authoritative nameservers
        bing123.com: type SOA, class IN, mname ns1-04.azure-dns.com
            Name: bing123.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 201 (3 minutes, 21 seconds)
            Data length: 71
            Primary name server: ns1-04.azure-dns.com
            Responsible authority's mailbox: azuredns-hostmaster.microsoft.com
            Serial Number: 1
            Refresh Interval: 3600 (1 hour)
            Retry Interval: 300 (5 minutes)
            Expire limit: 2419200 (28 days)
            Minimum TTL: 300 (5 minutes)
    [Request In: 173]
    [Time: 0.003811000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    176 2.692839       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=1 Ack=1 Win=512
Len=1382 [TCP segment of a reassembled PDU]
Frame 176: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.630847000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.630847000 seconds
    [Time delta from previous captured frame: 0.001163000 seconds]
    [Time delta from previous displayed frame: 0.001163000 seconds]
    [Time since reference or first frame: 2.692839000 seconds]
    Frame Number: 176
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e73 (32371)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
```

```
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 1, Ack: 1, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1536236836
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 813429334
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 178]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    177 2.692839       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=1383 Ack=1
Win=512 Len=1382 [TCP segment of a reassembled PDU]
Frame 177: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.630847000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.630847000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.692839000 seconds]
    Frame Number: 177
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e74 (32372)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 1383, Ack: 1, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1536238218
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 813429334
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 178]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    178 2.692839       10.122.205.2          202.89.233.101        TLSv1.2  339    Application Data
Frame 178: 339 bytes on wire (2712 bits), 339 bytes captured (2712 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.630847000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.630847000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.692839000 seconds]
    Frame Number: 178
    Frame Length: 339 bytes (2712 bits)
    Capture Length: 339 bytes (2712 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 325
    Identification: 0x7e75 (32373)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 2765, Ack: 1, Len: 285
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 285]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 1536239600
    [Next Sequence Number: 3050    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 813429334
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8c73 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 3049]
        [Bytes sent since last PSH flag: 3049]
    TCP payload (285 bytes)
    TCP segment data (285 bytes)
[3 Reassembled TCP Segments (3049 bytes): #176(1382), #177(1382), #178(285)]
    [Frame: 176, payload: 0-1381 (1382 bytes)]
    [Frame: 177, payload: 1382-2763 (1382 bytes)]
    [Frame: 178, payload: 2764-3048 (285 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3049]
    [Reassembled TCP Data: 1703030be40000000000000048ffc82c86891bdb4dd1e11213949fd39b00367403c6f66…]
Transport Layer Security
```

```
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3044
        Encrypted Application Data: 0000000000000048ffc82c86891bdb4dd1e11213949fd39b00367403c6f66a5922d305f…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    179 2.693010       10.122.205.2          202.89.233.101        TLSv1.2  100    Application Data
Frame 179: 100 bytes on wire (800 bits), 100 bytes captured (800 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.631018000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.631018000 seconds
    [Time delta from previous captured frame: 0.000171000 seconds]
    [Time delta from previous displayed frame: 0.000171000 seconds]
    [Time since reference or first frame: 2.693010000 seconds]
    Frame Number: 179
    Frame Length: 100 bytes (800 bits)
    Capture Length: 100 bytes (800 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 86
    Identification: 0x7e76 (32374)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 3050, Ack: 1, Len: 46
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 46]
    Sequence Number: 3050    (relative sequence number)
    Sequence Number (raw): 1536239885
    [Next Sequence Number: 3096    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 813429334
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b84 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000171000 seconds]
        [Time since previous frame in this TCP stream: 0.000171000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 3095]
        [Bytes sent since last PSH flag: 46]
    TCP payload (46 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 41
        Encrypted Application Data: 0000000000000005b3cd98b8f9ac461ecb97abe22dfd04cf67640adf928047d69f6c12e5…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    180 2.701678       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=1 Ack=1383
Win=16384 Len=0
Frame 180: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.639686000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.639686000 seconds
    [Time delta from previous captured frame: 0.008668000 seconds]
    [Time delta from previous displayed frame: 0.008668000 seconds]
    [Time since reference or first frame: 2.701678000 seconds]
    Frame Number: 180
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x991c (39196)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe977 [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1, Ack: 1383, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 813429334
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1383    (relative ack number)
    Acknowledgment number (raw): 1536238218
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x5359 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.008839000 seconds]
        [Time since previous frame in this TCP stream: 0.008668000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 176]
        [The RTT to ACK the segment was: 0.008839000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    181 2.701678       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=1 Ack=3050
Win=16384 Len=0
Frame 181: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.639686000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.639686000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.701678000 seconds]
    Frame Number: 181
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x991d (39197)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe976 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1, Ack: 3050, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 813429334
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 3050    (relative ack number)
    Acknowledgment number (raw): 1536239885
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x4cd6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.008839000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 178]
        [The RTT to ACK the segment was: 0.008839000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    182 2.701678       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=1 Ack=3096
Win=16384 Len=0
Frame 182: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.639686000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.639686000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.701678000 seconds]
    Frame Number: 182
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x991e (39198)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe975 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1, Ack: 3096, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 813429334
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 3096    (relative ack number)
    Acknowledgment number (raw): 1536239931
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x4ca8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.008839000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 179]
        [The RTT to ACK the segment was: 0.008668000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    183 2.701678       202.89.233.101        10.122.205.2          TLSv1.2  100    Application Data
Frame 183: 100 bytes on wire (800 bits), 100 bytes captured (800 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.639686000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.639686000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.701678000 seconds]
    Frame Number: 183
    Frame Length: 100 bytes (800 bits)
    Capture Length: 100 bytes (800 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 86
    Identification: 0x991f (39199)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe946 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1, Ack: 3096, Len: 46
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 46]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 813429334
    [Next Sequence Number: 47    (relative sequence number)]
    Acknowledgment Number: 3096    (relative ack number)
    Acknowledgment number (raw): 1536239931
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x627d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.008839000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 46]
```

```
        [Bytes sent since last PSH flag: 46]
    TCP payload (46 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 41
        Encrypted Application Data: 0000000000000059e13b11df0494951db82adfb6c3ed1a9eb5b848a711fce0aa8f288a0…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    184 2.742319       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=3096 Ack=47
Win=512 Len=0
Frame 184: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.680327000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.680327000 seconds
    [Time delta from previous captured frame: 0.040641000 seconds]
    [Time delta from previous displayed frame: 0.040641000 seconds]
    [Time since reference or first frame: 2.742319000 seconds]
    Frame Number: 184
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e77 (32375)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 3096, Ack: 47, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 3096    (relative sequence number)
    Sequence Number (raw): 1536239931
    [Next Sequence Number: 3096    (relative sequence number)]
    Acknowledgment Number: 47    (relative ack number)
    Acknowledgment number (raw): 813429380
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.049480000 seconds]
        [Time since previous frame in this TCP stream: 0.040641000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 183]
        [The RTT to ACK the segment was: 0.040641000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    185 2.764371       202.89.233.101        10.122.205.2          TLSv1.2  813    Application Data
Frame 185: 813 bytes on wire (6504 bits), 813 bytes captured (6504 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.702379000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.702379000 seconds
    [Time delta from previous captured frame: 0.022052000 seconds]
    [Time delta from previous displayed frame: 0.022052000 seconds]
    [Time since reference or first frame: 2.764371000 seconds]
    Frame Number: 185
    Frame Length: 813 bytes (6504 bits)
    Capture Length: 813 bytes (6504 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 799
    Identification: 0x9920 (39200)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe67c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 47, Ack: 3096, Len: 759
    Source Port: 443
    Destination Port: 61078
```

```
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 759]
    Sequence Number: 47    (relative sequence number)
    Sequence Number (raw): 813429380
    [Next Sequence Number: 806    (relative sequence number)]
    Acknowledgment Number: 3096    (relative ack number)
    Acknowledgment number (raw): 1536239931
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x88c7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.071532000 seconds]
        [Time since previous frame in this TCP stream: 0.022052000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 759]
        [Bytes sent since last PSH flag: 759]
    TCP payload (759 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 754
        Encrypted Application Data: 0000000000000006bdf6f4da9b78f09f22f0bd0bec50a71d8ee2397ee53c44f7aea7adf8…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    186 2.764371       202.89.233.101        10.122.205.2          TLSv1.2  92     Application Data
Frame 186: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.702379000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.702379000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.764371000 seconds]
    Frame Number: 186
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x9921 (39201)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe94c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 806, Ack: 3096, Len: 38
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 38]
    Sequence Number: 806    (relative sequence number)
    Sequence Number (raw): 813430139
    [Next Sequence Number: 844    (relative sequence number)]
    Acknowledgment Number: 3096    (relative ack number)
    Acknowledgment number (raw): 1536239931
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x9b9a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.071532000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 797]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000007ed96b159fe9e3d62049cc4b53e1731d81266c1c0c57fa59164
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    187 2.764502       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=3096 Ack=844
Win=509 Len=0
Frame 187: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.702510000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.702510000 seconds
    [Time delta from previous captured frame: 0.000131000 seconds]
    [Time delta from previous displayed frame: 0.000131000 seconds]
    [Time since reference or first frame: 2.764502000 seconds]
```

```
    Frame Number: 187
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e78 (32376)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 3096, Ack: 844, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 3096    (relative sequence number)
    Sequence Number (raw): 1536239931
    [Next Sequence Number: 3096    (relative sequence number)]
    Acknowledgment Number: 844    (relative ack number)
    Acknowledgment number (raw): 813430177
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.071663000 seconds]
        [Time since previous frame in this TCP stream: 0.000131000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 186]
        [The RTT to ACK the segment was: 0.000131000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    188 2.765977       10.122.205.2          202.89.233.101        TLSv1.2  96     Application Data
Frame 188: 96 bytes on wire (768 bits), 96 bytes captured (768 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
```

```
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.703985000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.703985000 seconds
    [Time delta from previous captured frame: 0.001475000 seconds]
    [Time delta from previous displayed frame: 0.001475000 seconds]
    [Time since reference or first frame: 2.765977000 seconds]
    Frame Number: 188
    Frame Length: 96 bytes (768 bits)
    Capture Length: 96 bytes (768 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 82
    Identification: 0x7e79 (32377)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 3096, Ack: 844, Len: 42
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 42]
    Sequence Number: 3096    (relative sequence number)
    Sequence Number (raw): 1536239931
    [Next Sequence Number: 3138    (relative sequence number)]
    Acknowledgment Number: 844    (relative ack number)
    Acknowledgment number (raw): 813430177
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b80 [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.073138000 seconds]
        [Time since previous frame in this TCP stream: 0.001475000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 42]
        [Bytes sent since last PSH flag: 42]
    TCP payload (42 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 37
        Encrypted Application Data: 00000000000000656abf8e52adb42599a170e777fba7264259fbb800631a06d649771fe…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    189 2.767283       10.122.205.2          10.3.9.45             DNS      71     Standard query 0x1ada A cn.bing.com
Frame 189: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.705291000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.705291000 seconds
    [Time delta from previous captured frame: 0.001306000 seconds]
    [Time delta from previous displayed frame: 0.001306000 seconds]
    [Time since reference or first frame: 2.767283000 seconds]
    Frame Number: 189
    Frame Length: 71 bytes (568 bits)
    Capture Length: 71 bytes (568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 57
    Identification: 0x8957 (35159)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 57529, Dst Port: 53
    Source Port: 57529
    Destination Port: 53
    Length: 37
    Checksum: 0xeae2 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 3]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
```

```
    UDP payload (29 bytes)
Domain Name System (query)
    Transaction ID: 0x1ada
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        cn.bing.com: type A, class IN
            Name: cn.bing.com
            [Name Length: 11]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 191]
No.     Time           Source                Destination           Protocol Length Info
    190 2.767906       10.122.205.2          10.3.9.45             DNS      71     Standard query 0x0bec HTTPS
cn.bing.com
Frame 190: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.705914000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.705914000 seconds
    [Time delta from previous captured frame: 0.000623000 seconds]
    [Time delta from previous displayed frame: 0.000623000 seconds]
    [Time since reference or first frame: 2.767906000 seconds]
    Frame Number: 190
    Frame Length: 71 bytes (568 bits)
    Capture Length: 71 bytes (568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 57
    Identification: 0x8958 (35160)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 53542, Dst Port: 53
```

```
    Source Port: 53542
    Destination Port: 53
    Length: 37
    Checksum: 0xeae2 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 4]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (29 bytes)
Domain Name System (query)
    Transaction ID: 0x0bec
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        cn.bing.com: type HTTPS, class IN
            Name: cn.bing.com
            [Name Length: 11]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 192]
No.     Time           Source                Destination           Protocol Length Info
    191 2.771517       10.3.9.45             10.122.205.2          DNS      179    Standard query response 0x1ada A
cn.bing.com CNAME cn-bing-com.cn.a-0001.a-msedge.net CNAME china.bing123.com A 202.89.233.100 A 202.89.233.101
Frame 191: 179 bytes on wire (1432 bits), 179 bytes captured (1432 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.709525000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.709525000 seconds
    [Time delta from previous captured frame: 0.003611000 seconds]
    [Time delta from previous displayed frame: 0.003611000 seconds]
    [Time since reference or first frame: 2.771517000 seconds]
    Frame Number: 191
    Frame Length: 179 bytes (1432 bits)
    Capture Length: 179 bytes (1432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 165
    Identification: 0xa091 (41105)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf50a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 57529
    Source Port: 53
    Destination Port: 57529
    Length: 145
    Checksum: 0xc147 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 3]
    [Timestamps]
        [Time since first frame: 0.004234000 seconds]
        [Time since previous frame: 0.004234000 seconds]
    UDP payload (137 bytes)
Domain Name System (response)
    Transaction ID: 0x1ada
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 4
    Authority RRs: 0
    Additional RRs: 0
    Queries
        cn.bing.com: type A, class IN
            Name: cn.bing.com
            [Name Length: 11]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        cn.bing.com: type CNAME, class IN, cname cn-bing-com.cn.a-0001.a-msedge.net
            Name: cn.bing.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 193 (3 minutes, 13 seconds)
            Data length: 36
            CNAME: cn-bing-com.cn.a-0001.a-msedge.net
        cn-bing-com.cn.a-0001.a-msedge.net: type CNAME, class IN, cname china.bing123.com
            Name: cn-bing-com.cn.a-0001.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 384 (6 minutes, 24 seconds)
            Data length: 16
            CNAME: china.bing123.com
        china.bing123.com: type A, class IN, addr 202.89.233.100
            Name: china.bing123.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 194 (3 minutes, 14 seconds)
            Data length: 4
            Address: 202.89.233.100
        china.bing123.com: type A, class IN, addr 202.89.233.101
            Name: china.bing123.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 194 (3 minutes, 14 seconds)
            Data length: 4
            Address: 202.89.233.101
    [Request In: 189]
    [Time: 0.004234000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    192 2.771517       10.3.9.45             10.122.205.2          DNS      230    Standard query response 0x0bec HTTPS
cn.bing.com CNAME cn-bing-com.cn.a-0001.a-msedge.net CNAME china.bing123.com SOA ns1-04.azure-dns.com
```

```
Frame 192: 230 bytes on wire (1840 bits), 230 bytes captured (1840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.709525000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.709525000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.771517000 seconds]
    Frame Number: 192
    Frame Length: 230 bytes (1840 bits)
    Capture Length: 230 bytes (1840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 216
    Identification: 0xa092 (41106)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf4d6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 53542
    Source Port: 53
    Destination Port: 53542
    Length: 196
    Checksum: 0x54be [unverified]
    [Checksum Status: Unverified]
    [Stream index: 4]
    [Timestamps]
        [Time since first frame: 0.003611000 seconds]
        [Time since previous frame: 0.003611000 seconds]
    UDP payload (188 bytes)
Domain Name System (response)
    Transaction ID: 0x0bec
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
```

```
    Additional RRs: 0
    Queries
        cn.bing.com: type HTTPS, class IN
            Name: cn.bing.com
            [Name Length: 11]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        cn.bing.com: type CNAME, class IN, cname cn-bing-com.cn.a-0001.a-msedge.net
            Name: cn.bing.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 193 (3 minutes, 13 seconds)
            Data length: 36
            CNAME: cn-bing-com.cn.a-0001.a-msedge.net
        cn-bing-com.cn.a-0001.a-msedge.net: type CNAME, class IN, cname china.bing123.com
            Name: cn-bing-com.cn.a-0001.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 384 (6 minutes, 24 seconds)
            Data length: 16
            CNAME: china.bing123.com
    Authoritative nameservers
        bing123.com: type SOA, class IN, mname ns1-04.azure-dns.com
            Name: bing123.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 201 (3 minutes, 21 seconds)
            Data length: 71
            Primary name server: ns1-04.azure-dns.com
            Responsible authority's mailbox: azuredns-hostmaster.microsoft.com
            Serial Number: 1
            Refresh Interval: 3600 (1 hour)
            Retry Interval: 300 (5 minutes)
            Expire limit: 2419200 (28 days)
            Minimum TTL: 300 (5 minutes)
    [Request In: 190]
    [Time: 0.003611000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    193 2.772056       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=3138 Ack=844
Win=509 Len=1382 [TCP segment of a reassembled PDU]
Frame 193: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.710064000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.710064000 seconds
    [Time delta from previous captured frame: 0.000539000 seconds]
    [Time delta from previous displayed frame: 0.000539000 seconds]
    [Time since reference or first frame: 2.772056000 seconds]
    Frame Number: 193
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e7a (32378)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 3138, Ack: 844, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 3138    (relative sequence number)
    Sequence Number (raw): 1536239973
    [Next Sequence Number: 4520    (relative sequence number)]
    Acknowledgment Number: 844    (relative ack number)
    Acknowledgment number (raw): 813430177
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.079217000 seconds]
        [Time since previous frame in this TCP stream: 0.006079000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1424]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 195]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    194 2.772056       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=4520 Ack=844
Win=509 Len=1382 [TCP segment of a reassembled PDU]
Frame 194: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.710064000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.710064000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.772056000 seconds]
    Frame Number: 194
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e7b (32379)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 4520, Ack: 844, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 4520    (relative sequence number)
    Sequence Number (raw): 1536241355
    [Next Sequence Number: 5902    (relative sequence number)]
    Acknowledgment Number: 844    (relative ack number)
    Acknowledgment number (raw): 813430177
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.079217000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2806]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 195]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    195 2.772056       10.122.205.2          202.89.233.101        TLSv1.2  232    Application Data
Frame 195: 232 bytes on wire (1856 bits), 232 bytes captured (1856 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.710064000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.710064000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.772056000 seconds]
    Frame Number: 195
    Frame Length: 232 bytes (1856 bits)
    Capture Length: 232 bytes (1856 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 218
    Identification: 0x7e7c (32380)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 5902, Ack: 844, Len: 178
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 178]
    Sequence Number: 5902    (relative sequence number)
    Sequence Number (raw): 1536242737
    [Next Sequence Number: 6080    (relative sequence number)]
    Acknowledgment Number: 844    (relative ack number)
    Acknowledgment number (raw): 813430177
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 509]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8c08 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.079217000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2984]
        [Bytes sent since last PSH flag: 2942]
    TCP payload (178 bytes)
    TCP segment data (178 bytes)
[3 Reassembled TCP Segments (2942 bytes): #193(1382), #194(1382), #195(178)]
    [Frame: 193, payload: 0-1381 (1382 bytes)]
    [Frame: 194, payload: 1382-2763 (1382 bytes)]
    [Frame: 195, payload: 2764-2941 (178 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 2942]
    [Reassembled TCP Data: 1703030b79000000000000007fc8421cbd8ab4e3a8c683cbe964a4c402c255fe869c198…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 2937
        Encrypted Application Data: 0000000000000007fc8421cbd8ab4e3a8c683cbe964a4c402c255fe869c198a4d3b10394…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    196 2.775895       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=844 Ack=3138
Win=16383 Len=0
Frame 196: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.713903000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.713903000 seconds
    [Time delta from previous captured frame: 0.003839000 seconds]
    [Time delta from previous displayed frame: 0.003839000 seconds]
    [Time since reference or first frame: 2.775895000 seconds]
    Frame Number: 196
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9922 (39202)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe971 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 844, Ack: 3138, Len: 0
```

```
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 844    (relative sequence number)
    Sequence Number (raw): 813430177
    [Next Sequence Number: 844    (relative sequence number)]
    Acknowledgment Number: 3138    (relative ack number)
    Acknowledgment number (raw): 1536239973
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16383
    [Calculated window size: 16383]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x4934 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.083056000 seconds]
        [Time since previous frame in this TCP stream: 0.003839000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 188]
        [The RTT to ACK the segment was: 0.009918000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    197 2.780922       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=844 Ack=4520
Win=16384 Len=0
Frame 197: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.718930000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.718930000 seconds
    [Time delta from previous captured frame: 0.005027000 seconds]
    [Time delta from previous displayed frame: 0.005027000 seconds]
    [Time since reference or first frame: 2.780922000 seconds]
    Frame Number: 197
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 40
    Identification: 0x9923 (39203)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe970 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 844, Ack: 4520, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 844    (relative sequence number)
    Sequence Number (raw): 813430177
    [Next Sequence Number: 844    (relative sequence number)]
    Acknowledgment Number: 4520    (relative ack number)
    Acknowledgment number (raw): 1536241355
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x43cd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.088083000 seconds]
        [Time since previous frame in this TCP stream: 0.005027000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 193]
        [The RTT to ACK the segment was: 0.008866000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    198 2.780922       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=844 Ack=6080
Win=16384 Len=0
Frame 198: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.718930000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.718930000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.780922000 seconds]
    Frame Number: 198
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9924 (39204)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe96f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 844, Ack: 6080, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 844    (relative sequence number)
    Sequence Number (raw): 813430177
    [Next Sequence Number: 844    (relative sequence number)]
    Acknowledgment Number: 6080    (relative ack number)
    Acknowledgment number (raw): 1536242915
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x3db5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.088083000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 195]
        [The RTT to ACK the segment was: 0.008866000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    199 2.842027       202.89.233.101        10.122.205.2          TLSv1.2  499    Application Data
Frame 199: 499 bytes on wire (3992 bits), 499 bytes captured (3992 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.780035000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.780035000 seconds
    [Time delta from previous captured frame: 0.061105000 seconds]
    [Time delta from previous displayed frame: 0.061105000 seconds]
```

```
    [Time since reference or first frame: 2.842027000 seconds]
    Frame Number: 199
    Frame Length: 499 bytes (3992 bits)
    Capture Length: 499 bytes (3992 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 485
    Identification: 0x9925 (39205)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe7b1 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 844, Ack: 6080, Len: 445
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 445]
    Sequence Number: 844    (relative sequence number)
    Sequence Number (raw): 813430177
    [Next Sequence Number: 1289    (relative sequence number)]
    Acknowledgment Number: 6080    (relative ack number)
    Acknowledgment number (raw): 1536242915
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xf917 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.149188000 seconds]
        [Time since previous frame in this TCP stream: 0.061105000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 445]
        [Bytes sent since last PSH flag: 445]
    TCP payload (445 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
```

```
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 440
        Encrypted Application Data: 0000000000000082fd38f62ff6ae8046bf8d45900a324624034226af5546baebdec1950…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    200 2.842027       202.89.233.101        10.122.205.2          TLSv1.2  92     Application Data
Frame 200: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.780035000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.780035000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 2.842027000 seconds]
    Frame Number: 200
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x9926 (39206)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe947 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1289, Ack: 6080, Len: 38
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 38]
    Sequence Number: 1289    (relative sequence number)
    Sequence Number (raw): 813430622
    [Next Sequence Number: 1327    (relative sequence number)]
    Acknowledgment Number: 6080    (relative ack number)
    Acknowledgment number (raw): 1536242915
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8c81 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.149188000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 483]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000009c2453f8575ab7a19128b885afad0d13bef18b1000c522f7d11
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    201 2.842143       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=6080 Ack=1327
Win=507 Len=0
Frame 201: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.780151000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.780151000 seconds
    [Time delta from previous captured frame: 0.000116000 seconds]
    [Time delta from previous displayed frame: 0.000116000 seconds]
    [Time since reference or first frame: 2.842143000 seconds]
    Frame Number: 201
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e7d (32381)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
```

```
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 6080, Ack: 1327, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 6080    (relative sequence number)
    Sequence Number (raw): 1536242915
    [Next Sequence Number: 6080    (relative sequence number)]
    Acknowledgment Number: 1327    (relative ack number)
    Acknowledgment number (raw): 813430660
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 507]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.149304000 seconds]
        [Time since previous frame in this TCP stream: 0.000116000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 200]
        [The RTT to ACK the segment was: 0.000116000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    202 3.031479       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=6080 Ack=1327
Win=507 Len=1382 [TCP segment of a reassembled PDU]
Frame 202: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.969487000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.969487000 seconds
    [Time delta from previous captured frame: 0.189336000 seconds]
    [Time delta from previous displayed frame: 0.189336000 seconds]
    [Time since reference or first frame: 3.031479000 seconds]
    Frame Number: 202
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e7e (32382)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 6080, Ack: 1327, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 6080    (relative sequence number)
    Sequence Number (raw): 1536242915
    [Next Sequence Number: 7462    (relative sequence number)]
    Acknowledgment Number: 1327    (relative ack number)
    Acknowledgment number (raw): 813430660
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 507]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.338640000 seconds]
        [Time since previous frame in this TCP stream: 0.189336000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 204]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    203 3.031479       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=7462 Ack=1327
Win=507 Len=1382 [TCP segment of a reassembled PDU]
Frame 203: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.969487000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.969487000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.031479000 seconds]
    Frame Number: 203
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e7f (32383)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 7462, Ack: 1327, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 7462    (relative sequence number)
    Sequence Number (raw): 1536244297
    [Next Sequence Number: 8844    (relative sequence number)]
    Acknowledgment Number: 1327    (relative ack number)
    Acknowledgment number (raw): 813430660
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 507]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.338640000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 204]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    204 3.031479       10.122.205.2          202.89.233.101        TLSv1.2  456    Application Data
Frame 204: 456 bytes on wire (3648 bits), 456 bytes captured (3648 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.969487000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.969487000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.031479000 seconds]
    Frame Number: 204
    Frame Length: 456 bytes (3648 bits)
    Capture Length: 456 bytes (3648 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 442
    Identification: 0x7e80 (32384)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 8844, Ack: 1327, Len: 402
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 402]
    Sequence Number: 8844    (relative sequence number)
    Sequence Number (raw): 1536245679
    [Next Sequence Number: 9246    (relative sequence number)]
    Acknowledgment Number: 1327    (relative ack number)
    Acknowledgment number (raw): 813430660
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 507
    [Calculated window size: 507]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8ce8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.338640000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
```

```
    [SEQ/ACK analysis]
        [Bytes in flight: 3166]
        [Bytes sent since last PSH flag: 3166]
    TCP payload (402 bytes)
    TCP segment data (402 bytes)
[3 Reassembled TCP Segments (3166 bytes): #202(1382), #203(1382), #204(402)]
    [Frame: 202, payload: 0-1381 (1382 bytes)]
    [Frame: 203, payload: 1382-2763 (1382 bytes)]
    [Frame: 204, payload: 2764-3165 (402 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3166]
    [Reassembled TCP Data: 1703030c590000000000000084ac34a5550cf56c60255f86ced10595595244dd74c48c0…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3161
        Encrypted Application Data: 0000000000000084ac34a5550cf56c60255f86ced10595595244dd74c48c022d0ccb098…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    205 3.041747       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=1327 Ack=7462
Win=16384 Len=0
Frame 205: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.979755000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.979755000 seconds
    [Time delta from previous captured frame: 0.010268000 seconds]
    [Time delta from previous displayed frame: 0.010268000 seconds]
    [Time since reference or first frame: 3.041747000 seconds]
    Frame Number: 205
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9927 (39207)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe96c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1327, Ack: 7462, Len: 0
    Source Port: 443
    Destination Port: 61078
```

```
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1327    (relative sequence number)
    Sequence Number (raw): 813430660
    [Next Sequence Number: 1327    (relative sequence number)]
    Acknowledgment Number: 7462    (relative ack number)
    Acknowledgment number (raw): 1536244297
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x366c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.348908000 seconds]
        [Time since previous frame in this TCP stream: 0.010268000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 202]
        [The RTT to ACK the segment was: 0.010268000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    206 3.041747       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=1327 Ack=9246
Win=16384 Len=0
Frame 206: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:52.979755000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821632.979755000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.041747000 seconds]
    Frame Number: 206
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9928 (39208)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe96b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1327, Ack: 9246, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 1327    (relative sequence number)
    Sequence Number (raw): 813430660
    [Next Sequence Number: 1327    (relative sequence number)]
    Acknowledgment Number: 9246    (relative ack number)
    Acknowledgment number (raw): 1536246081
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x2f74 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.348908000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 204]
        [The RTT to ACK the segment was: 0.010268000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    207 3.106382       202.89.233.101        10.122.205.2          TLSv1.2  841    Application Data
Frame 207: 841 bytes on wire (6728 bits), 841 bytes captured (6728 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.044390000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.044390000 seconds
    [Time delta from previous captured frame: 0.064635000 seconds]
    [Time delta from previous displayed frame: 0.064635000 seconds]
    [Time since reference or first frame: 3.106382000 seconds]
    Frame Number: 207
    Frame Length: 841 bytes (6728 bits)
    Capture Length: 841 bytes (6728 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 827
    Identification: 0x9929 (39209)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe657 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 1327, Ack: 9246, Len: 787
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 787]
    Sequence Number: 1327    (relative sequence number)
    Sequence Number (raw): 813430660
    [Next Sequence Number: 2114    (relative sequence number)]
    Acknowledgment Number: 9246    (relative ack number)
    Acknowledgment number (raw): 1536246081
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xfcb8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.413543000 seconds]
        [Time since previous frame in this TCP stream: 0.064635000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 787]
        [Bytes sent since last PSH flag: 787]
    TCP payload (787 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 782
        Encrypted Application Data: 000000000000000a3dc7a909225ec245edb587dc80e1244fd3cf932f387a95f28f105bf9…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    208 3.106382       202.89.233.101        10.122.205.2          TLSv1.2  92     Application Data
Frame 208: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.044390000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821633.044390000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.106382000 seconds]
    Frame Number: 208
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x992a (39210)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe943 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2114, Ack: 9246, Len: 38
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 38]
    Sequence Number: 2114    (relative sequence number)
    Sequence Number (raw): 813431447
    [Next Sequence Number: 2152    (relative sequence number)]
    Acknowledgment Number: 9246    (relative ack number)
    Acknowledgment number (raw): 1536246081
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xdb42 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.413543000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 825]
        [Bytes sent since last PSH flag: 38]
```

```
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 000000000000000b0c36c62acb31568a1b3fa5d55de12785ac87738482582f0de1
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    209 3.106532       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=9246 Ack=2152
Win=512 Len=0
Frame 209: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.044540000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.044540000 seconds
    [Time delta from previous captured frame: 0.000150000 seconds]
    [Time delta from previous displayed frame: 0.000150000 seconds]
    [Time since reference or first frame: 3.106532000 seconds]
    Frame Number: 209
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e81 (32385)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 9246, Ack: 2152, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 9246    (relative sequence number)
    Sequence Number (raw): 1536246081
    [Next Sequence Number: 9246    (relative sequence number)]
    Acknowledgment Number: 2152    (relative ack number)
    Acknowledgment number (raw): 813431485
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
```

```
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.413693000 seconds]
        [Time since previous frame in this TCP stream: 0.000150000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 208]
        [The RTT to ACK the segment was: 0.000150000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    210 3.108305       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=9246 Ack=2152
Win=512 Len=1382 [TCP segment of a reassembled PDU]
Frame 210: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.046313000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.046313000 seconds
    [Time delta from previous captured frame: 0.001773000 seconds]
    [Time delta from previous displayed frame: 0.001773000 seconds]
    [Time since reference or first frame: 3.108305000 seconds]
    Frame Number: 210
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e82 (32386)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 9246, Ack: 2152, Len: 1382
    Source Port: 61078
```

```
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 9246    (relative sequence number)
    Sequence Number (raw): 1536246081
    [Next Sequence Number: 10628    (relative sequence number)]
    Acknowledgment Number: 2152    (relative ack number)
    Acknowledgment number (raw): 813431485
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.415466000 seconds]
        [Time since previous frame in this TCP stream: 0.001773000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 212]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    211 3.108305       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=10628 Ack=2152
Win=512 Len=1382 [TCP segment of a reassembled PDU]
Frame 211: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.046313000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.046313000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.108305000 seconds]
    Frame Number: 211
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e83 (32387)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 10628, Ack: 2152, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 10628    (relative sequence number)
    Sequence Number (raw): 1536247463
    [Next Sequence Number: 12010    (relative sequence number)]
    Acknowledgment Number: 2152    (relative ack number)
    Acknowledgment number (raw): 813431485
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.415466000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 212]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    212 3.108305       10.122.205.2          202.89.233.101        TLSv1.2  349    Application Data
Frame 212: 349 bytes on wire (2792 bits), 349 bytes captured (2792 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.046313000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.046313000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.108305000 seconds]
    Frame Number: 212
    Frame Length: 349 bytes (2792 bits)
    Capture Length: 349 bytes (2792 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 335
    Identification: 0x7e84 (32388)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 12010, Ack: 2152, Len: 295
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 295]
    Sequence Number: 12010    (relative sequence number)
    Sequence Number (raw): 1536248845
    [Next Sequence Number: 12305    (relative sequence number)]
    Acknowledgment Number: 2152    (relative ack number)
    Acknowledgment number (raw): 813431485
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8c7d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.415466000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 3059]
        [Bytes sent since last PSH flag: 3059]
    TCP payload (295 bytes)
    TCP segment data (295 bytes)
[3 Reassembled TCP Segments (3059 bytes): #210(1382), #211(1382), #212(295)]
    [Frame: 210, payload: 0-1381 (1382 bytes)]
    [Frame: 211, payload: 1382-2763 (1382 bytes)]
    [Frame: 212, payload: 2764-3058 (295 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3059]
    [Reassembled TCP Data: 1703030bee0000000000000097aa5dcccd53385e8968689be557b8e5c444030346e1d08…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
```

```
        Length: 3054
        Encrypted Application Data: 0000000000000097aa5dcccd53385e8968689be557b8e5c444030346e1d087d28c211ba…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    213 3.117027       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=2152 Ack=10628
Win=16384 Len=0
Frame 213: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.055035000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.055035000 seconds
    [Time delta from previous captured frame: 0.008722000 seconds]
    [Time delta from previous displayed frame: 0.008722000 seconds]
    [Time since reference or first frame: 3.117027000 seconds]
    Frame Number: 213
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x992b (39211)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe968 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2152, Ack: 10628, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 2152    (relative sequence number)
    Sequence Number (raw): 813431485
    [Next Sequence Number: 2152    (relative sequence number)]
    Acknowledgment Number: 10628    (relative ack number)
    Acknowledgment number (raw): 1536247463
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x26d5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.424188000 seconds]
        [Time since previous frame in this TCP stream: 0.008722000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 210]
        [The RTT to ACK the segment was: 0.008722000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    214 3.117027       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=2152 Ack=12305
Win=16384 Len=0
Frame 214: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.055035000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.055035000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.117027000 seconds]
    Frame Number: 214
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x992c (39212)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe967 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2152, Ack: 12305, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
```

```
    [TCP Segment Len: 0]
    Sequence Number: 2152    (relative sequence number)
    Sequence Number (raw): 813431485
    [Next Sequence Number: 2152    (relative sequence number)]
    Acknowledgment Number: 12305    (relative ack number)
    Acknowledgment number (raw): 1536249140
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x2048 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.424188000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 212]
        [The RTT to ACK the segment was: 0.008722000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    215 3.202993       202.89.233.101        10.122.205.2          TLSv1.2  642    Application Data
Frame 215: 642 bytes on wire (5136 bits), 642 bytes captured (5136 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.141001000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.141001000 seconds
    [Time delta from previous captured frame: 0.085966000 seconds]
    [Time delta from previous displayed frame: 0.085966000 seconds]
    [Time since reference or first frame: 3.202993000 seconds]
    Frame Number: 215
    Frame Length: 642 bytes (5136 bits)
    Capture Length: 642 bytes (5136 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 628
    Identification: 0x992d (39213)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
```

```
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe71a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2152, Ack: 12305, Len: 588
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 588]
    Sequence Number: 2152    (relative sequence number)
    Sequence Number (raw): 813431485
    [Next Sequence Number: 2740    (relative sequence number)]
    Acknowledgment Number: 12305    (relative ack number)
    Acknowledgment number (raw): 1536249140
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x00e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.510154000 seconds]
        [Time since previous frame in this TCP stream: 0.085966000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 588]
        [Bytes sent since last PSH flag: 588]
    TCP payload (588 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 583
        Encrypted Application Data: 000000000000000cf6356d18c4451cb383614fa9aed1fb6b0bcf8fca1ab59b9062838898…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    216 3.202993       202.89.233.101        10.122.205.2          TLSv1.2  92     Application Data
Frame 216: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.141001000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.141001000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 3.202993000 seconds]
    Frame Number: 216
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x992e (39214)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe93f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2740, Ack: 12305, Len: 38
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 38]
    Sequence Number: 2740    (relative sequence number)
    Sequence Number (raw): 813432073
    [Next Sequence Number: 2778    (relative sequence number)]
    Acknowledgment Number: 12305    (relative ack number)
    Acknowledgment number (raw): 1536249140
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xb381 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.510154000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 626]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 000000000000000d458a2f91288f1c11c8d536e22d9d2614fb571a6e13eb644bae
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    217 3.203285       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=12305 Ack=2778
Win=510 Len=0
Frame 217: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.141293000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.141293000 seconds
    [Time delta from previous captured frame: 0.000292000 seconds]
    [Time delta from previous displayed frame: 0.000292000 seconds]
    [Time since reference or first frame: 3.203285000 seconds]
    Frame Number: 217
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e85 (32389)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 12305, Ack: 2778, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 12305    (relative sequence number)
    Sequence Number (raw): 1536249140
    [Next Sequence Number: 12305    (relative sequence number)]
    Acknowledgment Number: 2778    (relative ack number)
    Acknowledgment number (raw): 813432111
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 510]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.510446000 seconds]
        [Time since previous frame in this TCP stream: 0.000292000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 216]
        [The RTT to ACK the segment was: 0.000292000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    218 3.744289       10.122.205.2          140.82.113.22         TCP      66     61097 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 218: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.682297000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.682297000 seconds
    [Time delta from previous captured frame: 0.541004000 seconds]
    [Time delta from previous displayed frame: 0.541004000 seconds]
    [Time since reference or first frame: 3.744289000 seconds]
    Frame Number: 218
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xdd6c (56684)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3424996143
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0xd50b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    219 3.773539       10.122.205.2          10.3.9.45             DNS      80     Standard query 0xe359 A
catalog.gamepass.com
Frame 219: 80 bytes on wire (640 bits), 80 bytes captured (640 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.711547000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.711547000 seconds
    [Time delta from previous captured frame: 0.029250000 seconds]
    [Time delta from previous displayed frame: 0.029250000 seconds]
    [Time since reference or first frame: 3.773539000 seconds]
    Frame Number: 219
    Frame Length: 80 bytes (640 bits)
    Capture Length: 80 bytes (640 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 66
    Identification: 0x8959 (35161)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 65130, Dst Port: 53
    Source Port: 65130
    Destination Port: 53
    Length: 46
    Checksum: 0xeaeb [unverified]
    [Checksum Status: Unverified]
    [Stream index: 5]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (38 bytes)
Domain Name System (query)
    Transaction ID: 0xe359
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        catalog.gamepass.com: type A, class IN
            Name: catalog.gamepass.com
            [Name Length: 20]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 220]
No.     Time           Source                Destination           Protocol Length Info
    220 3.776270       10.3.9.45             10.122.205.2          DNS      192    Standard query response 0xe359 A
catalog.gamepass.com CNAME catalog.gamepass.com.edgesuite.net CNAME a1992.dscd.akamai.net A 104.91.68.56 A 104.91.68.48
Frame 220: 192 bytes on wire (1536 bits), 192 bytes captured (1536 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.714278000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.714278000 seconds
    [Time delta from previous captured frame: 0.002731000 seconds]
    [Time delta from previous displayed frame: 0.002731000 seconds]
    [Time since reference or first frame: 3.776270000 seconds]
    Frame Number: 220
    Frame Length: 192 bytes (1536 bits)
    Capture Length: 192 bytes (1536 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 178
    Identification: 0xa188 (41352)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf406 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 65130
    Source Port: 53
    Destination Port: 65130
    Length: 158
    Checksum: 0xa131 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 5]
    [Timestamps]
        [Time since first frame: 0.002731000 seconds]
        [Time since previous frame: 0.002731000 seconds]
    UDP payload (150 bytes)
Domain Name System (response)
    Transaction ID: 0xe359
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 4
    Authority RRs: 0
    Additional RRs: 0
    Queries
        catalog.gamepass.com: type A, class IN
            Name: catalog.gamepass.com
            [Name Length: 20]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        catalog.gamepass.com: type CNAME, class IN, cname catalog.gamepass.com.edgesuite.net
            Name: catalog.gamepass.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 370 (6 minutes, 10 seconds)
            Data length: 36
            CNAME: catalog.gamepass.com.edgesuite.net
        catalog.gamepass.com.edgesuite.net: type CNAME, class IN, cname a1992.dscd.akamai.net
            Name: catalog.gamepass.com.edgesuite.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 13901 (3 hours, 51 minutes, 41 seconds)
            Data length: 20
            CNAME: a1992.dscd.akamai.net
        a1992.dscd.akamai.net: type A, class IN, addr 104.91.68.56
            Name: a1992.dscd.akamai.net
            Type: A (Host Address) (1)
```

```
            Class: IN (0x0001)
            Time to live: 15 (15 seconds)
            Data length: 4
            Address: 104.91.68.56
        a1992.dscd.akamai.net: type A, class IN, addr 104.91.68.48
            Name: a1992.dscd.akamai.net
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 15 (15 seconds)
            Data length: 4
            Address: 104.91.68.48
    [Request In: 219]
    [Time: 0.002731000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    221 3.779780       10.122.205.2          104.91.68.56          TCP      66     61098 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 221: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.717788000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.717788000 seconds
    [Time delta from previous captured frame: 0.003510000 seconds]
    [Time delta from previous displayed frame: 0.003510000 seconds]
    [Time since reference or first frame: 3.779780000 seconds]
    Frame Number: 221
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x097d (2429)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2237318704
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
```

```
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x8436 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    222 3.891816       10.122.205.2          10.3.9.45             DNS      77     Standard query 0xaa0f A
gaia.cs.umass.edu
Frame 222: 77 bytes on wire (616 bits), 77 bytes captured (616 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.829824000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.829824000 seconds
    [Time delta from previous captured frame: 0.112036000 seconds]
    [Time delta from previous displayed frame: 0.112036000 seconds]
    [Time since reference or first frame: 3.891816000 seconds]
    Frame Number: 222
    Frame Length: 77 bytes (616 bits)
    Capture Length: 77 bytes (616 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 63
    Identification: 0x895a (35162)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 54158, Dst Port: 53
    Source Port: 54158
    Destination Port: 53
    Length: 43
    Checksum: 0xeae8 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 6]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (35 bytes)
Domain Name System (query)
    Transaction ID: 0xaa0f
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type A, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 223]
No.     Time           Source                Destination           Protocol Length Info
    223 3.896380       10.3.9.45             10.122.205.2          DNS      93     Standard query response 0xaa0f A
gaia.cs.umass.edu A 128.119.245.12
Frame 223: 93 bytes on wire (744 bits), 93 bytes captured (744 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.834388000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.834388000 seconds
    [Time delta from previous captured frame: 0.004564000 seconds]
    [Time delta from previous displayed frame: 0.004564000 seconds]
    [Time since reference or first frame: 3.896380000 seconds]
    Frame Number: 223
    Frame Length: 93 bytes (744 bits)
    Capture Length: 93 bytes (744 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 79
    Identification: 0x6693 (26259)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2f5f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 54158
    Source Port: 53
    Destination Port: 54158
    Length: 59
    Checksum: 0xfb90 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 6]
    [Timestamps]
        [Time since first frame: 0.004564000 seconds]
        [Time since previous frame: 0.004564000 seconds]
    UDP payload (51 bytes)
Domain Name System (response)
    Transaction ID: 0xaa0f
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 1
    Authority RRs: 0
    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type A, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        gaia.cs.umass.edu: type A, class IN, addr 128.119.245.12
            Name: gaia.cs.umass.edu
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 17672 (4 hours, 54 minutes, 32 seconds)
            Data length: 4
            Address: 128.119.245.12
    [Request In: 222]
    [Time: 0.004564000 seconds]
```

```
No.     Time           Source                Destination           Protocol Length Info
    224 3.909114       10.122.205.2          10.3.9.45             DNS      77     Standard query 0x789f A
gaia.cs.umass.edu
Frame 224: 77 bytes on wire (616 bits), 77 bytes captured (616 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.847122000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.847122000 seconds
    [Time delta from previous captured frame: 0.012734000 seconds]
    [Time delta from previous displayed frame: 0.012734000 seconds]
    [Time since reference or first frame: 3.909114000 seconds]
    Frame Number: 224
    Frame Length: 77 bytes (616 bits)
    Capture Length: 77 bytes (616 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 63
    Identification: 0x895b (35163)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 61187, Dst Port: 53
    Source Port: 61187
    Destination Port: 53
    Length: 43
    Checksum: 0xeae8 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 7]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (35 bytes)
Domain Name System (query)
    Transaction ID: 0x789f
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
```

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    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type A, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 226]
No.     Time           Source                Destination           Protocol Length Info
    225 3.910092       10.122.205.2          10.3.9.45             DNS      77     Standard query 0x7668 HTTPS
gaia.cs.umass.edu
Frame 225: 77 bytes on wire (616 bits), 77 bytes captured (616 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.848100000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.848100000 seconds
    [Time delta from previous captured frame: 0.000978000 seconds]
    [Time delta from previous displayed frame: 0.000978000 seconds]
    [Time since reference or first frame: 3.910092000 seconds]
    Frame Number: 225
    Frame Length: 77 bytes (616 bits)
    Capture Length: 77 bytes (616 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 63
    Identification: 0x895c (35164)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 55593, Dst Port: 53
    Source Port: 55593
    Destination Port: 53
    Length: 43
    Checksum: 0xeae8 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 8]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (35 bytes)
Domain Name System (query)
    Transaction ID: 0x7668
    Flags: 0x0100 Standard query
```

```
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type HTTPS, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 227]
No.     Time           Source                Destination           Protocol Length Info
    226 3.911567       10.3.9.45             10.122.205.2          DNS      93     Standard query response 0x789f A
gaia.cs.umass.edu A 128.119.245.12
Frame 226: 93 bytes on wire (744 bits), 93 bytes captured (744 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.849575000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.849575000 seconds
    [Time delta from previous captured frame: 0.001475000 seconds]
    [Time delta from previous displayed frame: 0.001475000 seconds]
    [Time since reference or first frame: 3.911567000 seconds]
    Frame Number: 226
    Frame Length: 93 bytes (744 bits)
    Capture Length: 93 bytes (744 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 79
    Identification: 0xa191 (41361)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf460 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 61187
    Source Port: 53
    Destination Port: 61187
    Length: 59
    Checksum: 0x118c [unverified]
```

```
    [Checksum Status: Unverified]
    [Stream index: 7]
    [Timestamps]
        [Time since first frame: 0.002453000 seconds]
        [Time since previous frame: 0.002453000 seconds]
    UDP payload (51 bytes)
Domain Name System (response)
    Transaction ID: 0x789f
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 1
    Authority RRs: 0
    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type A, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        gaia.cs.umass.edu: type A, class IN, addr 128.119.245.12
            Name: gaia.cs.umass.edu
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 17672 (4 hours, 54 minutes, 32 seconds)
            Data length: 4
            Address: 128.119.245.12
    [Request In: 224]
    [Time: 0.002453000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    227 3.914778       10.3.9.45             10.122.205.2          DNS      130    Standard query response 0x7668 HTTPS
gaia.cs.umass.edu SOA unix1.cs.umass.edu
Frame 227: 130 bytes on wire (1040 bits), 130 bytes captured (1040 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.852786000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.852786000 seconds
    [Time delta from previous captured frame: 0.003211000 seconds]
    [Time delta from previous displayed frame: 0.003211000 seconds]
    [Time since reference or first frame: 3.914778000 seconds]
    Frame Number: 227
    Frame Length: 130 bytes (1040 bits)
    Capture Length: 130 bytes (1040 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 116
    Identification: 0xa192 (41362)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf43a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 55593
    Source Port: 53
    Destination Port: 55593
    Length: 96
    Checksum: 0x79fa [unverified]
    [Checksum Status: Unverified]
    [Stream index: 8]
    [Timestamps]
        [Time since first frame: 0.004686000 seconds]
        [Time since previous frame: 0.004686000 seconds]
    UDP payload (88 bytes)
Domain Name System (response)
    Transaction ID: 0x7668
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 0
    Authority RRs: 1
    Additional RRs: 0
    Queries
        gaia.cs.umass.edu: type HTTPS, class IN
            Name: gaia.cs.umass.edu
            [Name Length: 17]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Authoritative nameservers
        cs.umass.edu: type SOA, class IN, mname unix1.cs.umass.edu
            Name: cs.umass.edu
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 3600 (1 hour)
            Data length: 41
            Primary name server: unix1.cs.umass.edu
            Responsible authority's mailbox: hostmaster.cs.umass.edu
            Serial Number: 2023030101
            Refresh Interval: 18000 (5 hours)
            Retry Interval: 3600 (1 hour)
            Expire limit: 302400 (3 days, 12 hours)
            Minimum TTL: 86400 (1 day)
    [Request In: 225]
    [Time: 0.004686000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    228 3.929781       10.122.205.2          10.3.9.45             DNS      94     Standard query 0xe18f A nav-
edge.smartscreen.microsoft.com
Frame 228: 94 bytes on wire (752 bits), 94 bytes captured (752 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.867789000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.867789000 seconds
    [Time delta from previous captured frame: 0.015003000 seconds]
    [Time delta from previous displayed frame: 0.015003000 seconds]
    [Time since reference or first frame: 3.929781000 seconds]
    Frame Number: 228
    Frame Length: 94 bytes (752 bits)
    Capture Length: 94 bytes (752 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 80
    Identification: 0x895d (35165)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 50353, Dst Port: 53
    Source Port: 50353
    Destination Port: 53
    Length: 60
    Checksum: 0xeaf9 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 9]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (52 bytes)
Domain Name System (query)
    Transaction ID: 0xe18f
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        nav-edge.smartscreen.microsoft.com: type A, class IN
            Name: nav-edge.smartscreen.microsoft.com
            [Name Length: 34]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 230]
```

```
No.     Time           Source                Destination           Protocol Length Info
    229 3.932035       10.122.205.2          10.3.9.45             DNS      94     Standard query 0x9fbc HTTPS nav-
edge.smartscreen.microsoft.com
Frame 229: 94 bytes on wire (752 bits), 94 bytes captured (752 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.870043000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.870043000 seconds
    [Time delta from previous captured frame: 0.002254000 seconds]
    [Time delta from previous displayed frame: 0.002254000 seconds]
    [Time since reference or first frame: 3.932035000 seconds]
    Frame Number: 229
    Frame Length: 94 bytes (752 bits)
    Capture Length: 94 bytes (752 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 80
    Identification: 0x895e (35166)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 50621, Dst Port: 53
    Source Port: 50621
    Destination Port: 53
    Length: 60
    Checksum: 0xeaf9 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 10]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (52 bytes)
Domain Name System (query)
    Transaction ID: 0x9fbc
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
```

```
    Additional RRs: 0
    Queries
        nav-edge.smartscreen.microsoft.com: type HTTPS, class IN
            Name: nav-edge.smartscreen.microsoft.com
            [Name Length: 34]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 232]
No.     Time           Source                Destination           Protocol Length Info
    230 3.932353       10.3.9.45             10.122.205.2          DNS      234    Standard query response 0xe18f A nav-
edge.smartscreen.microsoft.com CNAME tm-prod-wd-csp-edge.trafficmanager.net CNAME wd-prod-ss-as-southeast-3-
fe.southeastasia.cloudapp.azure.com A 20.212.96.199
Frame 230: 234 bytes on wire (1872 bits), 234 bytes captured (1872 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.870361000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.870361000 seconds
    [Time delta from previous captured frame: 0.000318000 seconds]
    [Time delta from previous displayed frame: 0.000318000 seconds]
    [Time since reference or first frame: 3.932353000 seconds]
    Frame Number: 230
    Frame Length: 234 bytes (1872 bits)
    Capture Length: 234 bytes (1872 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 220
    Identification: 0xa196 (41366)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf3ce [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 50353
    Source Port: 53
    Destination Port: 50353
    Length: 200
    Checksum: 0x7d5e [unverified]
    [Checksum Status: Unverified]
    [Stream index: 9]
    [Timestamps]
        [Time since first frame: 0.002572000 seconds]
        [Time since previous frame: 0.002572000 seconds]
    UDP payload (192 bytes)
Domain Name System (response)
    Transaction ID: 0xe18f
```

```
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 0
    Additional RRs: 0
    Queries
        nav-edge.smartscreen.microsoft.com: type A, class IN
            Name: nav-edge.smartscreen.microsoft.com
            [Name Length: 34]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        nav-edge.smartscreen.microsoft.com: type CNAME, class IN, cname tm-prod-wd-csp-edge.trafficmanager.net
            Name: nav-edge.smartscreen.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 1181 (19 minutes, 41 seconds)
            Data length: 40
            CNAME: tm-prod-wd-csp-edge.trafficmanager.net
        tm-prod-wd-csp-edge.trafficmanager.net: type CNAME, class IN, cname wd-prod-ss-as-southeast-3-
fe.southeastasia.cloudapp.azure.com
            Name: tm-prod-wd-csp-edge.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 177 (2 minutes, 57 seconds)
            Data length: 60
            CNAME: wd-prod-ss-as-southeast-3-fe.southeastasia.cloudapp.azure.com
        wd-prod-ss-as-southeast-3-fe.southeastasia.cloudapp.azure.com: type A, class IN, addr 20.212.96.199
            Name: wd-prod-ss-as-southeast-3-fe.southeastasia.cloudapp.azure.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 90 (1 minute, 30 seconds)
            Data length: 4
            Address: 20.212.96.199
    [Request In: 228]
    [Time: 0.002572000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    231 3.934774       10.122.205.2          128.119.245.12        TCP      66     61099 → 80 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 231: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.872782000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.872782000 seconds
    [Time delta from previous captured frame: 0.002421000 seconds]
    [Time delta from previous displayed frame: 0.002421000 seconds]
    [Time since reference or first frame: 3.934774000 seconds]
    Frame Number: 231
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9565 (38245)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 0, Len: 0
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2697480854
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 80]
                [Connection establish request (SYN): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x4d27 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
```

```
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    232 3.935655       10.3.9.45             10.122.205.2          DNS      278    Standard query response 0x9fbc HTTPS
nav-edge.smartscreen.microsoft.com CNAME tm-prod-wd-csp-edge.trafficmanager.net CNAME wd-prod-ss-as-southeast-3-
fe.southeastasia.cloudapp.azure.com SOA ns1-01.azure-dns.com
Frame 232: 278 bytes on wire (2224 bits), 278 bytes captured (2224 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.873663000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.873663000 seconds
    [Time delta from previous captured frame: 0.000881000 seconds]
    [Time delta from previous displayed frame: 0.000881000 seconds]
    [Time since reference or first frame: 3.935655000 seconds]
    Frame Number: 232
    Frame Length: 278 bytes (2224 bits)
    Capture Length: 278 bytes (2224 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 264
    Identification: 0x669c (26268)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2e9d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 50621
    Source Port: 53
    Destination Port: 50621
    Length: 244
    Checksum: 0xa563 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 10]
    [Timestamps]
        [Time since first frame: 0.003620000 seconds]
        [Time since previous frame: 0.003620000 seconds]
    UDP payload (236 bytes)
Domain Name System (response)
    Transaction ID: 0x9fbc
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
```

```
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        nav-edge.smartscreen.microsoft.com: type HTTPS, class IN
            Name: nav-edge.smartscreen.microsoft.com
            [Name Length: 34]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        nav-edge.smartscreen.microsoft.com: type CNAME, class IN, cname tm-prod-wd-csp-edge.trafficmanager.net
            Name: nav-edge.smartscreen.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 1181 (19 minutes, 41 seconds)
            Data length: 40
            CNAME: tm-prod-wd-csp-edge.trafficmanager.net
        tm-prod-wd-csp-edge.trafficmanager.net: type CNAME, class IN, cname wd-prod-ss-as-southeast-3-
fe.southeastasia.cloudapp.azure.com
            Name: tm-prod-wd-csp-edge.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 177 (2 minutes, 57 seconds)
            Data length: 60
            CNAME: wd-prod-ss-as-southeast-3-fe.southeastasia.cloudapp.azure.com
    Authoritative nameservers
        southeastasia.cloudapp.azure.com: type SOA, class IN, mname ns1-01.azure-dns.com
            Name: southeastasia.cloudapp.azure.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 177 (2 minutes, 57 seconds)
            Data length: 48
            Primary name server: ns1-01.azure-dns.com
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 10001
            Refresh Interval: 900 (15 minutes)
            Retry Interval: 300 (5 minutes)
            Expire limit: 604800 (7 days)
            Minimum TTL: 60 (1 minute)
    [Request In: 229]
    [Time: 0.003620000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    233 3.936924       10.122.205.2          128.119.245.12        TCP      66     61100 → 80 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 233: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.874932000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.874932000 seconds
    [Time delta from previous captured frame: 0.001269000 seconds]
    [Time delta from previous displayed frame: 0.001269000 seconds]
    [Time since reference or first frame: 3.936924000 seconds]
    Frame Number: 233
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9566 (38246)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61100, Dst Port: 80, Seq: 0, Len: 0
    Source Port: 61100
    Destination Port: 80
    [Stream index: 10]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1728274463
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 80]
                [Connection establish request (SYN): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x4d27 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
```

```
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    234 3.939840       10.122.205.2          20.212.96.199         TCP      66     61101 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 234: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.877848000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.877848000 seconds
    [Time delta from previous captured frame: 0.002916000 seconds]
    [Time delta from previous displayed frame: 0.002916000 seconds]
    [Time since reference or first frame: 3.939840000 seconds]
    Frame Number: 234
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x84d7 (34007)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1326612873
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x4d3e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    235 3.965442       10.122.205.2          10.3.9.45             DNS      87     Standard query 0xf60f A
browser.events.data.msn.com
Frame 235: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.903450000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.903450000 seconds
    [Time delta from previous captured frame: 0.025602000 seconds]
    [Time delta from previous displayed frame: 0.025602000 seconds]
    [Time since reference or first frame: 3.965442000 seconds]
    Frame Number: 235
    Frame Length: 87 bytes (696 bits)
    Capture Length: 87 bytes (696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 73
    Identification: 0x895f (35167)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 51000, Dst Port: 53
    Source Port: 51000
    Destination Port: 53
    Length: 53
    Checksum: 0xeaf2 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 11]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (45 bytes)
Domain Name System (query)
    Transaction ID: 0xf60f
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        browser.events.data.msn.com: type A, class IN
            Name: browser.events.data.msn.com
            [Name Length: 27]
            [Label Count: 5]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 237]
No.     Time           Source                Destination           Protocol Length Info
    236 3.966187       10.122.205.2          10.3.9.45             DNS      87     Standard query 0xad05 HTTPS
browser.events.data.msn.com
Frame 236: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.904195000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.904195000 seconds
    [Time delta from previous captured frame: 0.000745000 seconds]
    [Time delta from previous displayed frame: 0.000745000 seconds]
    [Time since reference or first frame: 3.966187000 seconds]
    Frame Number: 236
    Frame Length: 87 bytes (696 bits)
    Capture Length: 87 bytes (696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 73
    Identification: 0x8960 (35168)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 60335, Dst Port: 53
    Source Port: 60335
    Destination Port: 53
    Length: 53
    Checksum: 0xeaf2 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 12]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (45 bytes)
Domain Name System (query)
    Transaction ID: 0xad05
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        browser.events.data.msn.com: type HTTPS, class IN
            Name: browser.events.data.msn.com
            [Name Length: 27]
            [Label Count: 5]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 238]
No.     Time           Source                Destination           Protocol Length Info
    237 3.967932       10.3.9.45             10.122.205.2          DNS      214    Standard query response 0xf60f A
browser.events.data.msn.com CNAME global.asimov.events.data.trafficmanager.net CNAME
onedscolprdwus14.westus.cloudapp.azure.com A 20.189.173.15
Frame 237: 214 bytes on wire (1712 bits), 214 bytes captured (1712 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.905940000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.905940000 seconds
    [Time delta from previous captured frame: 0.001745000 seconds]
    [Time delta from previous displayed frame: 0.001745000 seconds]
    [Time since reference or first frame: 3.967932000 seconds]
    Frame Number: 237
    Frame Length: 214 bytes (1712 bits)
    Capture Length: 214 bytes (1712 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 200
    Identification: 0xa19c (41372)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf3dc [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 51000
    Source Port: 53
    Destination Port: 51000
    Length: 180
    Checksum: 0x12f3 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 11]
    [Timestamps]
        [Time since first frame: 0.002490000 seconds]
        [Time since previous frame: 0.002490000 seconds]
    UDP payload (172 bytes)
Domain Name System (response)
    Transaction ID: 0xf60f
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 0
    Additional RRs: 0
    Queries
        browser.events.data.msn.com: type A, class IN
            Name: browser.events.data.msn.com
            [Name Length: 27]
            [Label Count: 5]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        browser.events.data.msn.com: type CNAME, class IN, cname global.asimov.events.data.trafficmanager.net
            Name: browser.events.data.msn.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 20585 (5 hours, 43 minutes, 5 seconds)
            Data length: 46
            CNAME: global.asimov.events.data.trafficmanager.net
```

```
        global.asimov.events.data.trafficmanager.net: type CNAME, class IN, cname
onedscolprdwus14.westus.cloudapp.azure.com
            Name: global.asimov.events.data.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 6 (6 seconds)
            Data length: 41
            CNAME: onedscolprdwus14.westus.cloudapp.azure.com
        onedscolprdwus14.westus.cloudapp.azure.com: type A, class IN, addr 20.189.173.15
            Name: onedscolprdwus14.westus.cloudapp.azure.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 8 (8 seconds)
            Data length: 4
            Address: 20.189.173.15
    [Request In: 235]
    [Time: 0.002490000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    238 3.968314       10.3.9.45             10.122.205.2          DNS      268    Standard query response 0xad05 HTTPS
browser.events.data.msn.com CNAME global.asimov.events.data.trafficmanager.net CNAME
onedscolprdwus14.westus.cloudapp.azure.com SOA ns1-02.azure-dns.com
Frame 238: 268 bytes on wire (2144 bits), 268 bytes captured (2144 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.906322000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.906322000 seconds
    [Time delta from previous captured frame: 0.000382000 seconds]
    [Time delta from previous displayed frame: 0.000382000 seconds]
    [Time since reference or first frame: 3.968314000 seconds]
    Frame Number: 238
    Frame Length: 268 bytes (2144 bits)
    Capture Length: 268 bytes (2144 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 254
    Identification: 0xa19d (41373)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf3a5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 60335
    Source Port: 53
    Destination Port: 60335
    Length: 234
    Checksum: 0x7255 [unverified]
```

```
    [Checksum Status: Unverified]
    [Stream index: 12]
    [Timestamps]
        [Time since first frame: 0.002127000 seconds]
        [Time since previous frame: 0.002127000 seconds]
    UDP payload (226 bytes)
Domain Name System (response)
    Transaction ID: 0xad05
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        browser.events.data.msn.com: type HTTPS, class IN
            Name: browser.events.data.msn.com
            [Name Length: 27]
            [Label Count: 5]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        browser.events.data.msn.com: type CNAME, class IN, cname global.asimov.events.data.trafficmanager.net
            Name: browser.events.data.msn.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 20585 (5 hours, 43 minutes, 5 seconds)
            Data length: 46
            CNAME: global.asimov.events.data.trafficmanager.net
        global.asimov.events.data.trafficmanager.net: type CNAME, class IN, cname
onedscolprdwus14.westus.cloudapp.azure.com
            Name: global.asimov.events.data.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 6 (6 seconds)
            Data length: 41
            CNAME: onedscolprdwus14.westus.cloudapp.azure.com
    Authoritative nameservers
        westus.cloudapp.azure.com: type SOA, class IN, mname ns1-02.azure-dns.com
            Name: westus.cloudapp.azure.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 6 (6 seconds)
            Data length: 58
            Primary name server: ns1-02.azure-dns.com
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 10001
            Refresh Interval: 900 (15 minutes)
            Retry Interval: 300 (5 minutes)
            Expire limit: 604800 (7 days)
            Minimum TTL: 60 (1 minute)
    [Request In: 236]
    [Time: 0.002127000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    239 3.970462       10.122.205.2          20.189.173.15         TCP      66     61102 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 239: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.908470000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.908470000 seconds
    [Time delta from previous captured frame: 0.002148000 seconds]
```

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    [Time delta from previous displayed frame: 0.002148000 seconds]
    [Time since reference or first frame: 3.970462000 seconds]
    Frame Number: 239
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x945e (37982)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2138692181
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
```

```
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    240 3.990149       140.82.113.22         10.122.205.2          TCP      66     443 → 61097 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 SACK_PERM WS=1024
Frame 240: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.928157000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.928157000 seconds
    [Time delta from previous captured frame: 0.019687000 seconds]
    [Time delta from previous displayed frame: 0.019687000 seconds]
    [Time since reference or first frame: 3.990149000 seconds]
    Frame Number: 240
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0x7cdf [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
```

```
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1459734677
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3424996144
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x7315 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 10 (multiply by 1024)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 10
            [Multiplier: 1024]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.245860000 seconds]
        [Time since previous frame in this TCP stream: 0.245860000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 218]
        [The RTT to ACK the segment was: 0.245860000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    241 3.990398       10.122.205.2          140.82.113.22         TCP      54     61097 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 241: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.928406000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.928406000 seconds
    [Time delta from previous captured frame: 0.000249000 seconds]
    [Time delta from previous displayed frame: 0.000249000 seconds]
    [Time since reference or first frame: 3.990398000 seconds]
    Frame Number: 241
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xdd6d (56685)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3424996144
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1459734678
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xd4ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.246109000 seconds]
        [Time since previous frame in this TCP stream: 0.000249000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 240]
        [The RTT to ACK the segment was: 0.000249000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    242 3.990842       10.122.205.2          140.82.113.22         TLSv1.3  571    Client Hello
Frame 242: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.928850000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.928850000 seconds
    [Time delta from previous captured frame: 0.000444000 seconds]
    [Time delta from previous displayed frame: 0.000444000 seconds]
    [Time since reference or first frame: 3.990842000 seconds]
    Frame Number: 242
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xdd6e (56686)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3424996144
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1459734678
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xd704 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.246553000 seconds]
        [Time since previous frame in this TCP stream: 0.000444000 seconds]
```

```
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: e8b5092e546739d8a040e1ee3b19c385552c578084e16b92f63f3edcc5a3bdae
            Session ID Length: 32
            Session ID: d896874cd990b3905c3bd28ce125038decc8d8fb7106e358aea76df15cac802f
            Cipher Suites Length: 36
            Cipher Suites (18 suites)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xc009)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xc00a)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
                Cipher Suite: TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000a)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 399
            Extension: server_name (len=44)
                Type: server_name (0)
                Length: 44
                Server Name Indication extension
                    Server Name list length: 42
                    Server Name Type: host_name (0)
                    Server Name length: 39
                    Server Name: copilot-telemetry.githubusercontent.com
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: supported_groups (len=8)
                Type: supported_groups (10)
                Length: 8
                Supported Groups List Length: 6
                Supported Groups (3 groups)
                    Supported Group: x25519 (0x001d)
                    Supported Group: secp256r1 (0x0017)
                    Supported Group: secp384r1 (0x0018)
            Extension: ec_point_formats (len=2)
                Type: ec_point_formats (11)
                Length: 2
                EC point formats Length: 1
                Elliptic curves point formats (1)
                    EC point format: uncompressed (0)
            Extension: session_ticket (len=0)
                Type: session_ticket (35)
                Length: 0
                Data (0 bytes)
            Extension: signature_algorithms (len=20)
                Type: signature_algorithms (13)
```

```
            Length: 20
            Signature Hash Algorithms Length: 18
            Signature Hash Algorithms (9 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pkcs1_sha1 (0x0201)
                    Signature Hash Algorithm Hash: SHA1 (2)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: key_share (len=38)
            Type: key_share (51)
            Length: 38
            Key Share extension
                Client Key Share Length: 36
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: 6fb2a81e9d11f9238bf0afe0d74d8a7a69f1b883cb6f701864cbd1fe6687565f
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: supported_versions (len=5)
            Type: supported_versions (43)
            Length: 5
            Supported Versions length: 4
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: padding (len=156)
            Type: padding (21)
            Length: 156
            Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000000000…
        Extension: pre_shared_key (len=75)
            Type: pre_shared_key (41)
            Length: 75
            Pre-Shared Key extension
                Identities Length: 38
                PSK Identity (length: 32)
                    Identity Length: 32
                    Identity: 464b1f59af2922e71638aeb6caa547f0f89a6dde1be60f16daff5c6583296976
                    Obfuscated Ticket Age: 3574341049
                PSK Binders length: 33
                PSK Binders
        [JA3 Fullstring:
771,4867-4865-4866-49199-49195-49200-49196-52393-52392-49161-49171-49162-49172-156-157-47-53-10,0-23-65281-10-11-35-13-51
        [JA3: 1c01c1edcaa439853b74f27227cd1c00]
No.     Time           Source                Destination           Protocol Length Info
    243 4.030576       20.212.96.199         10.122.205.2          TCP      66     443 → 61101 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 243: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.968584000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.968584000 seconds
    [Time delta from previous captured frame: 0.039734000 seconds]
    [Time delta from previous displayed frame: 0.039734000 seconds]
    [Time since reference or first frame: 4.030576000 seconds]
    Frame Number: 243
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xca6b (51819)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xff40 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2750391956
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1326612874
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x16ad [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.090736000 seconds]
        [Time since previous frame in this TCP stream: 0.090736000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 234]
        [The RTT to ACK the segment was: 0.090736000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    244 4.030734       10.122.205.2          20.212.96.199         TCP      54     61101 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 244: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.968742000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.968742000 seconds
    [Time delta from previous captured frame: 0.000158000 seconds]
    [Time delta from previous displayed frame: 0.000158000 seconds]
    [Time since reference or first frame: 4.030734000 seconds]
    Frame Number: 244
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x84d8 (34008)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
```

```
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1326612874
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2750391957
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d32 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.090894000 seconds]
        [Time since previous frame in this TCP stream: 0.000158000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 243]
        [The RTT to ACK the segment was: 0.000158000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    245 4.030979       10.122.205.2          20.212.96.199         TLSv1.2  571    Client Hello
Frame 245: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:53.968987000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821633.968987000 seconds
    [Time delta from previous captured frame: 0.000245000 seconds]
    [Time delta from previous displayed frame: 0.000245000 seconds]
    [Time since reference or first frame: 4.030979000 seconds]
    Frame Number: 245
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x84d9 (34009)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1326612874
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2750391957
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4f37 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.091139000 seconds]
        [Time since previous frame in this TCP stream: 0.000245000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 39606200faca14f6ab6d874ebd3c143f0cf5782843b226f4c02886aae7ccf8ed
                GMT Unix Time: Jul  3, 2000 17:50:56.000000000 中国标准时间
                Random Bytes: faca14f6ab6d874ebd3c143f0cf5782843b226f4c02886aae7ccf8ed
            Session ID Length: 32
            Session ID: f41400006d7174df48143feadad289b6cfad77bf3537f8bd9f001f23e3e94c79
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xdada)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
```

```
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
        Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
        Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
        Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
        Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
        Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
        Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
        Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
        Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
    Compression Methods Length: 1
    Compression Methods (1 method)
        Compression Method: null (0)
    Extensions Length: 401
    Extension: Reserved (GREASE) (len=0)
        Type: Reserved (GREASE) (10794)
        Length: 0
        Data: <MISSING>
    Extension: server_name (len=39)
        Type: server_name (0)
        Length: 39
        Server Name Indication extension
            Server Name list length: 37
            Server Name Type: host_name (0)
            Server Name length: 34
            Server Name: nav-edge.smartscreen.microsoft.com
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
        Signature Hash Algorithms (8 algorithms)
            Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: supported_versions (len=7)
        Type: supported_versions (43)
        Length: 7
        Supported Versions length: 6
        Supported Version: Reserved (GREASE) (0x5a5a)
        Supported Version: TLS 1.3 (0x0304)
        Supported Version: TLS 1.2 (0x0303)
    Extension: extended_master_secret (len=0)
        Type: extended_master_secret (23)
        Length: 0
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: session_ticket (len=0)
        Type: session_ticket (35)
        Length: 0
        Data (0 bytes)
    Extension: psk_key_exchange_modes (len=2)
        Type: psk_key_exchange_modes (45)
        Length: 2
        PSK Key Exchange Modes Length: 1
```

```
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: key_share (len=43)
            Type: key_share (51)
            Length: 43
            Key Share extension
                Client Key Share Length: 41
                Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                    Group: Reserved (GREASE) (27242)
                    Key Exchange Length: 1
                    Key Exchange: 00
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: 47186ac17d0bd94c88df47cddd6eb15a650f67401815aa2f7eef19ecde2a2219
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
            Algorithms Length: 2
            Algorithm: brotli (2)
        Extension: status_request (len=5)
            Type: status_request (5)
            Length: 5
            Certificate Status Type: OCSP (1)
            Responder ID list Length: 0
            Request Extensions Length: 0
        Extension: ec_point_formats (len=2)
            Type: ec_point_formats (11)
            Length: 2
            EC point formats Length: 1
            Elliptic curves point formats (1)
                EC point format: uncompressed (0)
        Extension: supported_groups (len=10)
            Type: supported_groups (10)
            Length: 10
            Supported Groups List Length: 8
            Supported Groups (4 groups)
                Supported Group: Reserved (GREASE) (0x6a6a)
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: application_settings (len=5)
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: renegotiation_info (len=1)
            Type: renegotiation_info (65281)
            Length: 1
            Renegotiation Info extension
                Renegotiation info extension length: 0
        Extension: Reserved (GREASE) (len=1)
            Type: Reserved (GREASE) (35466)
            Length: 1
            Data: 00
        Extension: padding (len=179)
            Type: padding (21)
            Length: 179
            Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
        [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,0-13-43-23-18-35-45-16-51-27-5-11-1
        [JA3: 633876f771bf73defa3169fb07082a2e]
No.     Time           Source                Destination           Protocol Length Info
    246 4.123847       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=1 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
```

```
Frame 246: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.092868000 seconds]
    [Time delta from previous displayed frame: 0.092868000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 246
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca6c (51820)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9e5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2750391957
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
```

```
    Checksum: 0x961a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.092868000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 245]
        [The RTT to ACK the segment was: 0.092868000 seconds]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 251]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    247 4.123847       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=1383 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 247: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 247
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca6d (51821)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9e4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 2750393339
```

```
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x1676 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 251]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    248 4.123847       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=2765 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 248: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 248
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca6e (51822)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
```

```
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9e3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 2765, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 2750394721
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xdd7d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 251]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    249 4.123847       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=4147 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 249: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 249
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca6f (51823)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9e2 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 4147, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 2750396103
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xc8dc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 5528]
        [Bytes sent since last PSH flag: 5528]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 251]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    250 4.123847       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=5529 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 250: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
```

```
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 250
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca70 (51824)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9e1 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 5529, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 2750397485
    [Next Sequence Number: 6911    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x20ad [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
```

```
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 6910]
        [Bytes sent since last PSH flag: 6910]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 251]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    251 4.123847       20.212.96.199         10.122.205.2          TLSv1.2  286    Server Hello, Certificate,
Certificate Status, Server Key Exchange, Server Hello Done
Frame 251: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061855000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061855000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.123847000 seconds]
    Frame Number: 251
    Frame Length: 286 bytes (2288 bits)
    Capture Length: 286 bytes (2288 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame [truncated]:
eth:ethertype:ip:tcp:tls:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:tls:x509ce:x509ce:pkix1implicit:
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 272
    Identification: 0xca71 (51825)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xfe5e [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 6911, Ack: 518, Len: 232
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 232]
    Sequence Number: 6911    (relative sequence number)
    Sequence Number (raw): 2750398867
    [Next Sequence Number: 7143    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 1326613391
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xccfd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184007000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 7142]
        [Bytes sent since last PSH flag: 7142]
    TCP payload (232 bytes)
    TCP segment data (232 bytes)
[6 Reassembled TCP Segments (7142 bytes): #246(1382), #247(1382), #248(1382), #249(1382), #250(1382), #251(232)]
    [Frame: 246, payload: 0-1381 (1382 bytes)]
    [Frame: 247, payload: 1382-2763 (1382 bytes)]
    [Frame: 248, payload: 2764-4145 (1382 bytes)]
    [Frame: 249, payload: 4146-5527 (1382 bytes)]
    [Frame: 250, payload: 5528-6909 (1382 bytes)]
    [Frame: 251, payload: 6910-7141 (232 bytes)]
    [Segment count: 6]
    [Reassembled TCP length: 7142]
    [Reassembled TCP Data: 1603031be1020000550303640186c0c928b3a7bb3a3c4d4d31e961faa1d8fdfc5eb80553…]
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Multiple Handshake Messages
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 7137
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 85
            Version: TLS 1.2 (0x0303)
            Random: 640186c0c928b3a7bb3a3c4d4d31e961faa1d8fdfc5eb805534697b83f9efe1a
                GMT Unix Time: Mar  3, 2023 13:33:52.000000000 中国标准时间
                Random Bytes: c928b3a7bb3a3c4d4d31e961faa1d8fdfc5eb805534697b83f9efe1a
            Session ID Length: 32
            Session ID: 200b00008af08073b06069cf7119445878187584905 9fbc2648695514e0b6aa8
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
            Compression Method: null (0)
            Extensions Length: 13
            Extension: status_request (len=0)
                Type: status_request (5)
                Length: 0
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            [JA3S Fullstring: 771,49200,5-23-65281]
            [JA3S: 986571066668055ae9481cb84fda634a]
        Handshake Protocol: Certificate
            Handshake Type: Certificate (11)
            Length: 4890
            Certificates Length: 4887
            Certificates (4887 bytes)
                Certificate Length: 3354
                Certificate: 30820d1630820afea0030201020213330095898 34ccf1ad778047509000000958983300d… (id-at-
commonName=smartscreen.microsoft.com,id-at-organizationName=Microsoft Corporation,id-at-localityName=Redmond,id-at-
stateOrProvinceName=WA,id-at
                    signedCertificate
                        version: v3 (2)
                        serialNumber: 0x33009589834ccf1ad77804750900000095898 3
                        signature (sha384WithRSAEncryption)
```

```
                Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
            issuer: rdnSequence (0)
                rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                    RDNSequence item: 1 item (id-at-countryName=US)
                        RelativeDistinguishedName item (id-at-countryName=US)
                            Object Id: 2.5.4.6 (id-at-countryName)
                            CountryName: US
                    RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                        RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                            Object Id: 2.5.4.10 (id-at-organizationName)
                            DirectoryString: printableString (1)
                                printableString: Microsoft Corporation
                    RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                        RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                            Object Id: 2.5.4.3 (id-at-commonName)
                            DirectoryString: printableString (1)
                                printableString: Microsoft Azure TLS Issuing CA 02
            validity
                notBefore: utcTime (0)
                    utcTime: 2023-02-28 21:30:56 (UTC)
                notAfter: utcTime (0)
                    utcTime: 2024-02-23 21:30:56 (UTC)
            subject: rdnSequence (0)
                rdnSequence: 5 items (id-at-commonName=smartscreen.microsoft.com,id-at-
organizationName=Microsoft Corporation,id-at-localityName=Redmond,id-at-stateOrProvinceName=WA,id-at-countryName=US)
                    RDNSequence item: 1 item (id-at-countryName=US)
                        RelativeDistinguishedName item (id-at-countryName=US)
                            Object Id: 2.5.4.6 (id-at-countryName)
                            CountryName: US
                    RDNSequence item: 1 item (id-at-stateOrProvinceName=WA)
                        RelativeDistinguishedName item (id-at-stateOrProvinceName=WA)
                            Object Id: 2.5.4.8 (id-at-stateOrProvinceName)
                            DirectoryString: printableString (1)
                                printableString: WA
                    RDNSequence item: 1 item (id-at-localityName=Redmond)
                        RelativeDistinguishedName item (id-at-localityName=Redmond)
                            Object Id: 2.5.4.7 (id-at-localityName)
                            DirectoryString: printableString (1)
                                printableString: Redmond
                    RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                        RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                            Object Id: 2.5.4.10 (id-at-organizationName)
                            DirectoryString: printableString (1)
                                printableString: Microsoft Corporation
                    RDNSequence item: 1 item (id-at-commonName=smartscreen.microsoft.com)
                        RelativeDistinguishedName item (id-at-commonName=smartscreen.microsoft.com)
                            Object Id: 2.5.4.3 (id-at-commonName)
                            DirectoryString: printableString (1)
                                printableString: smartscreen.microsoft.com
            subjectPublicKeyInfo
                algorithm (rsaEncryption)
                    Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                subjectPublicKey: 3082010a0282010100d5873b78ec43b99eccd70426a451c8ab256bf360ffde9496d9c5ce…
                    modulus: 0x00d5873b78ec43b99eccd70426a451c8ab256bf360ffde9496d9c5ce5c7ebbad340192ec…
                    publicExponent: 65537
            extensions: 12 items
                Extension (SignedCertificateTimestampList)
                    Extension Id: 1.3.6.1.4.1.11129.2.4.2 (SignedCertificateTimestampList)
                    Serialized SCT List Length: 361
                    Signed Certificate Timestamp (Google 'Xenon2024' log)
                        Serialized SCT Length: 119
                        SCT Version: 0
                        Log ID: 76ff883f0ab6fb9551c261ccf587ba34b4a4cdbb29dc68420a9fe6674c5a3a74
                        Timestamp: Feb 28, 2023 21:41:01.545000000 UTC
                        Extensions length: 0
                        Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                            Signature Hash Algorithm Hash: SHA256 (4)
                            Signature Hash Algorithm Signature: ECDSA (3)
                        Signature Length: 72
                        Signature: 3046022100efc3f68351f12442e2ee6d517fe759bc8239b1e2fd343fdc0f7f50e6246be4…
                    Signed Certificate Timestamp (DigiCert Nessie2024 Log)
                        Serialized SCT Length: 119
                        SCT Version: 0
                        Log ID: 73d99e891b4c9678a0207d479de6b2c61cd0515e71192a8c6b80107ac17772b5
                        Timestamp: Feb 28, 2023 21:41:01.560000000 UTC
```

```
                                    Extensions length: 0
                                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                                        Signature Hash Algorithm Hash: SHA256 (4)
                                        Signature Hash Algorithm Signature: ECDSA (3)
                                    Signature Length: 72
                                    Signature: 304602210097d7c610bf0e0e72c3c6bec51fb44511c0def489f3c744682d75423f2241d4…
                                Signed Certificate Timestamp (Cloudflare 'Nimbus2024' Log)
                                    Serialized SCT Length: 117
                                    SCT Version: 0
                                    Log ID: dab6bf6b3fb5b6229f9bc2bb5c6be87091716cbb51848534bda43d3048d7fbab
                                    Timestamp: Feb 28, 2023 21:41:01.478000000 UTC
                                    Extensions length: 0
                                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                                        Signature Hash Algorithm Hash: SHA256 (4)
                                        Signature Hash Algorithm Signature: ECDSA (3)
                                    Signature Length: 70
                                    Signature: 304402200d40ea77786280175ff69d62a030d2101d78f7473a6647ccfb45cc80b7a62abf…
                            Extension (id-ms-application-certificate-policies)
                                Extension Id: 1.3.6.1.4.1.311.21.10 (id-ms-application-certificate-policies)
                                CertificatePoliciesSyntax: 2 items
                                    PolicyInformation
                                        policyIdentifier: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                                    PolicyInformation
                                        policyIdentifier: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                            Extension (id-ms-certificate-template)
                                Extension Id: 1.3.6.1.4.1.311.21.7 (id-ms-certificate-template)
                                CertificateTemplate
                                    templateID:
1.3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.4272873.6083518 (iso.
3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.4272873.6083518)
                                    templateMajorVersion: 100
                                    templateMinorVersion: 37
                            Extension (id-pe-authorityInfoAccess)
                                Extension Id: 1.3.6.1.5.5.7.1.1 (id-pe-authorityInfoAccess)
                                AuthorityInfoAccessSyntax: 2 items
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.2 (id-ad-caIssuers)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://www.microsoft.com/pkiops/certs/
Microsoft%20Azure%20TLS%20Issuing%20CA%2002%20-%20xsign.crt
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.1 (id-ad-ocsp)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://oneocsp.microsoft.com/ocsp
                            Extension (id-ce-subjectKeyIdentifier)
                                Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                SubjectKeyIdentifier: bf1d21c330b28651fcaea8434d88aadb9da9b088
                            Extension (id-ce-keyUsage)
                                Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                critical: True
                                Padding: 4
                                KeyUsage: b0
                                    1... .... = digitalSignature: True
                                    .0.. .... = contentCommitment: False
                                    ..1. .... = keyEncipherment: True
                                    ...1 .... = dataEncipherment: True
                                    .... 0... = keyAgreement: False
                                    .... .0.. = keyCertSign: False
                                    .... ..0. = cRLSign: False
                                    .... ...0 = encipherOnly: False
                                    0... .... = decipherOnly: False
                            Extension (id-ce-subjectAltName)
                                Extension Id: 2.5.29.17 (id-ce-subjectAltName)
                                GeneralNames: 40 items
                                    GeneralName: dNSName (2)
                                        dNSName: smartscreen.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: apprep.smartscreen.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: beta.apprep.smartscreen.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: beta.w.apprep.smartscreen.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: w.apprep.smartscreen.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: urs.microsoft.com
```

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            GeneralName: dNSName (2)
                dNSName: beta.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: c.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: i.apprep.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: i.w.apprep.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: t.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: beta.t.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: telemetry.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: d.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: x.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: p.urs.microsoft.com
            GeneralName: dNSName (2)
                dNSName: api.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: urs.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: ars.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: cp.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: checkappexec.microsoft.com
            GeneralName: dNSName (2)
                dNSName: data.checkappexec.microsoft.com
            GeneralName: dNSName (2)
                dNSName: ping.checkappexec.microsoft.com
            GeneralName: dNSName (2)
                dNSName: t.checkappexec.microsoft.com
            GeneralName: dNSName (2)
                dNSName: pf.checkappexec.microsoft.com
            GeneralName: dNSName (2)
                dNSName: sl.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: ping.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: nf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: data.nf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: ping.nf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: t.nf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: nav.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: data.nav.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: ping.nav.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: t.nav.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: bf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: t.bf.smartscreen.microsoft.com
            GeneralName: dNSName (2)
                dNSName: smartscreen-prod.microsoft.com
            GeneralName: dNSName (2)
                dNSName: *.smartscreen-prod.microsoft.com
            GeneralName: dNSName (2)
                dNSName: *.smartscreen.microsoft.com
        Extension (id-ce-basicConstraints)
            Extension Id: 2.5.29.19 (id-ce-basicConstraints)
            critical: True
            BasicConstraintsSyntax [0 length]
        Extension (id-ce-cRLDistributionPoints)
            Extension Id: 2.5.29.31 (id-ce-cRLDistributionPoints)
            CRLDistPointsSyntax: 1 item
                DistributionPoint
                    distributionPoint: fullName (0)
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                                        fullName: 1 item
                                            GeneralName: uniformResourceIdentifier (6)
                                                uniformResourceIdentifier: http://www.microsoft.com/pkiops/crl/
Microsoft%20Azure%20TLS%20Issuing%20CA%2002.crl
                            Extension (id-ce-certificatePolicies)
                                Extension Id: 2.5.29.32 (id-ce-certificatePolicies)
                                CertificatePoliciesSyntax: 2 items
                                    PolicyInformation
                                        policyIdentifier: 1.3.6.1.4.1.311.76.509.1.1 (iso.3.6.1.4.1.311.76.509.1.1)
                                        policyQualifiers: 1 item
                                            PolicyQualifierInfo
                                                Id: 1.3.6.1.5.5.7.2.1 (id-qt-cps)
                                                DirectoryString: http://www.microsoft.com/pkiops/Docs/Repository.htm
                                    PolicyInformation
                                        policyIdentifier: 2.23.140.1.2.2 (joint-iso-itu-t.23.140.1.2.2)
                            Extension (id-ce-authorityKeyIdentifier)
                                Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                AuthorityKeyIdentifier
                                    keyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                            Extension (id-ce-extKeyUsage)
                                Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                KeyPurposeIDs: 2 items
                                    KeyPurposeId: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                                    KeyPurposeId: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                    algorithmIdentifier (sha384WithRSAEncryption)
                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                    Padding: 0
                    encrypted: 14d984b3e817de1a208234a7a06baa6a57c89c3a19070ca1bb65c6a07a182cc9649f32f0…
                Certificate Length: 1527
                Certificate: 308205f3308204dba00302010202100c6ae97cced599838690a00a9ea53214300d06092a… (id-at-
commonName=Microsoft Azure TLS Issuing CA 02,id-at-organizationName=Microsoft Corporation,id-at-countryName=US)
                    signedCertificate
                        version: v3 (2)
                        serialNumber: 0x0c6ae97cced599838690a00a9ea53214
                        signature (sha384WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                        issuer: rdnSequence (0)
                            rdnSequence: 4 items (id-at-commonName=DigiCert Global Root G2,id-at-
organizationalUnitName=www.digicert.com,id-at-organizationName=DigiCert Inc,id-at-countryName=US)
                                RDNSequence item: 1 item (id-at-countryName=US)
                                    RelativeDistinguishedName item (id-at-countryName=US)
                                        Object Id: 2.5.4.6 (id-at-countryName)
                                        CountryName: US
                                RDNSequence item: 1 item (id-at-organizationName=DigiCert Inc)
                                    RelativeDistinguishedName item (id-at-organizationName=DigiCert Inc)
                                        Object Id: 2.5.4.10 (id-at-organizationName)
                                        DirectoryString: printableString (1)
                                            printableString: DigiCert Inc
                                RDNSequence item: 1 item (id-at-organizationalUnitName=www.digicert.com)
                                    RelativeDistinguishedName item (id-at-organizationalUnitName=www.digicert.com)
                                        Object Id: 2.5.4.11 (id-at-organizationalUnitName)
                                        DirectoryString: printableString (1)
                                            printableString: www.digicert.com
                                RDNSequence item: 1 item (id-at-commonName=DigiCert Global Root G2)
                                    RelativeDistinguishedName item (id-at-commonName=DigiCert Global Root G2)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: printableString (1)
                                            printableString: DigiCert Global Root G2
                        validity
                            notBefore: utcTime (0)
                                utcTime: 2020-07-29 12:30:00 (UTC)
                            notAfter: utcTime (0)
                                utcTime: 2024-06-27 23:59:59 (UTC)
                        subject: rdnSequence (0)
                            rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                RDNSequence item: 1 item (id-at-countryName=US)
                                    RelativeDistinguishedName item (id-at-countryName=US)
                                        Object Id: 2.5.4.6 (id-at-countryName)
                                        CountryName: US
                                RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                    RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                                        Object Id: 2.5.4.10 (id-at-organizationName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Corporation
                                RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
```

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                                    RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Azure TLS Issuing CA 02
                        subjectPublicKeyInfo
                            algorithm (rsaEncryption)
                                Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                            subjectPublicKey: 3082020a0282020100e0623b52ba164e1f1c8eadde6264a60ee5c6879480bf2dcfdc2e23…
                                modulus: 0x00e0623b52ba164e1f1c8eadde6264a60ee5c6879480bf2dcfdc2e236cf452063cbc5ada…
                                publicExponent: 65537
                        extensions: 9 items
                            Extension (id-ce-subjectKeyIdentifier)
                                Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                SubjectKeyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                            Extension (id-ce-authorityKeyIdentifier)
                                Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                AuthorityKeyIdentifier
                                    keyIdentifier: 4e2254201895e6e36ee60ffafab912ed06178f39
                            Extension (id-ce-keyUsage)
                                Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                critical: True
                                Padding: 1
                                KeyUsage: 86
                                    1... .... = digitalSignature: True
                                    .0.. .... = contentCommitment: False
                                    ..0. .... = keyEncipherment: False
                                    ...0 .... = dataEncipherment: False
                                    .... 0... = keyAgreement: False
                                    .... .1.. = keyCertSign: True
                                    .... ..1. = cRLSign: True
                                    .... ...0 = encipherOnly: False
                                    0... .... = decipherOnly: False
                            Extension (id-ce-extKeyUsage)
                                Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                KeyPurposeIDs: 2 items
                                    KeyPurposeId: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                                    KeyPurposeId: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                            Extension (id-ce-basicConstraints)
                                Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                critical: True
                                BasicConstraintsSyntax
                                    cA: True
                                    pathLenConstraint: 0
                            Extension (id-pe-authorityInfoAccess)
                                Extension Id: 1.3.6.1.5.5.7.1.1 (id-pe-authorityInfoAccess)
                                AuthorityInfoAccessSyntax: 2 items
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.1 (id-ad-ocsp)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://ocsp.digicert.com
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.2 (id-ad-caIssuers)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://cacerts.digicert.com/
DigiCertGlobalRootG2.crt
                            Extension (id-ce-cRLDistributionPoints)
                                Extension Id: 2.5.29.31 (id-ce-cRLDistributionPoints)
                                CRLDistPointsSyntax: 2 items
                                    DistributionPoint
                                        distributionPoint: fullName (0)
                                            fullName: 1 item
                                                GeneralName: uniformResourceIdentifier (6)
                                                    uniformResourceIdentifier: http://crl3.digicert.com/
DigiCertGlobalRootG2.crl
                                    DistributionPoint
                                        distributionPoint: fullName (0)
                                            fullName: 1 item
                                                GeneralName: uniformResourceIdentifier (6)
                                                    uniformResourceIdentifier: http://crl4.digicert.com/
DigiCertGlobalRootG2.crl
                            Extension (id-ce-certificatePolicies)
                                Extension Id: 2.5.29.32 (id-ce-certificatePolicies)
                                CertificatePoliciesSyntax: 2 items
                                    PolicyInformation
                                        policyIdentifier: 2.23.140.1.2.1 (joint-iso-itu-t.23.140.1.2.1)
                                    PolicyInformation
```

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                                        policyIdentifier: 2.23.140.1.2.2 (joint-iso-itu-t.23.140.1.2.2)
                                Extension (id-ms-ca-version)
                                    Extension Id: 1.3.6.1.4.1.311.21.1 (id-ms-ca-version)
                                    Integer: 0
                        algorithmIdentifier (sha384WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                        Padding: 0
                        encrypted: 33a3f29d9963cf4da60b416ec9e43ab1122053f50c981947de65ded3475f37ec7e834a41…
        Handshake Protocol: Certificate Status
            Handshake Type: Certificate Status (22)
            Length: 1781
            Certificate Status Type: OCSP (1)
            OCSP Response Length: 1777
            OCSP Response
                responseStatus: successful (0)
                responseBytes
                    ResponseType Id: 1.3.6.1.5.5.7.48.1.1 (id-pkix-ocsp-basic)
                    BasicOCSPResponse
                        tbsResponseData
                            responderID: byKey (2)
                                byKey: 67c14efd2343a55fe8d1b6fee3484265ab4b7ccb
                            producedAt: Mar  1, 2023 05:43:42.000000000 中国标准时间
                            responses: 1 item
                                SingleResponse
                                    certID
                                        hashAlgorithm (SHA-1)
                                            Algorithm Id: 1.3.14.3.2.26 (SHA-1)
                                        issuerNameHash: 52feca108db4e5ab5268930d27c82ff215e24bb5
                                        issuerKeyHash: 00ab91fc216226979aa8791b61419060a96267fd
                                        serialNumber: 0x33009589834ccf1ad77804750900000095898 3
                                    certStatus: good (0)
                                        good
                                    thisUpdate: Mar  1, 2023 02:14:10.000000000 中国标准时间
                                    nextUpdate: Mar  6, 2023 23:50:10.000000000 中国标准时间
                                    singleExtensions: 1 item
                                        Extension
                                            Id: 1.3.6.1.4.1.311.21.4 (id-ms-next-publish)
                                            UTCTime: 2023-03-05 18:24:10 (UTC)
                        signatureAlgorithm (sha256WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.11 (sha256WithRSAEncryption)
                        Padding: 0
                        signature: a3249d19f8652beecd6d058f70858a771e76aab61bf303db2ab988b1553582cdf02c91a7…
                        certs: 1 item
                            Certificate (id-at-commonName=AzureCA02 OCSP Cert)
                                signedCertificate
                                    version: v3 (2)
                                    serialNumber: 0x3300949804b5a7fea9498f7f84000000949804
                                    signature (sha384WithRSAEncryption)
                                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                    issuer: rdnSequence (0)
                                        rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                            RDNSequence item: 1 item (id-at-countryName=US)
                                                RelativeDistinguishedName item (id-at-countryName=US)
                                                    Object Id: 2.5.4.6 (id-at-countryName)
                                                    CountryName: US
                                            RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                                RelativeDistinguishedName item (id-at-organizationName=Microsoft
Corporation)
                                                    Object Id: 2.5.4.10 (id-at-organizationName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Corporation
                                            RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA
02)
                                                RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS
Issuing CA 02)
                                                    Object Id: 2.5.4.3 (id-at-commonName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Azure TLS Issuing CA 02
                                    validity
                                        notBefore: utcTime (0)
                                            utcTime: 2023-02-27 15:50:10 (UTC)
                                        notAfter: utcTime (0)
                                            utcTime: 2023-03-06 15:50:10 (UTC)
                                    subject: rdnSequence (0)
                                        rdnSequence: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
```

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                                                RDNSequence item: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
                                                    RelativeDistinguishedName item (id-at-commonName=AzureCA02 OCSP Cert)
                                                        Object Id: 2.5.4.3 (id-at-commonName)
                                                        DirectoryString: printableString (1)
                                                            printableString: AzureCA02 OCSP Cert
                                            subjectPublicKeyInfo
                                                algorithm (rsaEncryption)
                                                    Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                                                subjectPublicKey:
3082010a0282010100b6a40f312c81757164e02d2c5b10a7b44803caf35ad1f5f683d331…
                                                    modulus:
0x00b6a40f312c81757164e02d2c5b10a7b44803caf35ad1f5f683d3315f8ad2d083324275…
                                                    publicExponent: 65537
                                            extensions: 8 items
                                                Extension (id-ce-basicConstraints)
                                                    Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                                    critical: True
                                                    BasicConstraintsSyntax [0 length]
                                                Extension (id-ce-extKeyUsage)
                                                    Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                                    KeyPurposeIDs: 1 item
                                                        KeyPurposeId: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                                Extension (id-ce-subjectKeyIdentifier)
                                                    Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                                    SubjectKeyIdentifier: 67c14efd2343a55fe8d1b6fee3484265ab4b7ccb
                                                Extension (id-ce-authorityKeyIdentifier)
                                                    Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                                    AuthorityKeyIdentifier
                                                        keyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                                                Extension (id-ce-keyUsage)
                                                    Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                                    critical: True
                                                    Padding: 7
                                                    KeyUsage: 80
                                                        1... .... = digitalSignature: True
                                                        .0.. .... = contentCommitment: False
                                                        ..0. .... = keyEncipherment: False
                                                        ...0 .... = dataEncipherment: False
                                                        .... 0... = keyAgreement: False
                                                        .... .0.. = keyCertSign: False
                                                        .... ..0. = cRLSign: False
                                                        .... ...0 = encipherOnly: False
                                                        0... .... = decipherOnly: False
                                                Extension (id-ms-certificate-template)
                                                    Extension Id: 1.3.6.1.4.1.311.21.7 (id-ms-certificate-template)
                                                    CertificateTemplate
                                                        templateID:
1.3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759 (iso.
3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759)
                                                        templateMajorVersion: 100
                                                        templateMinorVersion: 21
                                                Extension (id-ms-application-certificate-policies)
                                                    Extension Id: 1.3.6.1.4.1.311.21.10 (id-ms-application-certificate-policies)
                                                    CertificatePoliciesSyntax: 1 item
                                                        PolicyInformation
                                                            policyIdentifier: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                                Extension (id-pkix-ocsp-nocheck)
                                                    Extension Id: 1.3.6.1.5.5.7.48.1.5 (id-pkix-ocsp-nocheck)
                                                    NULL
                                        algorithmIdentifier (sha384WithRSAEncryption)
                                            Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                        Padding: 0
                                        encrypted: 864f5e59fa3ac20c863819c25b260c089642111e525eca562c6d4c749c7fed4ba82ccbec…
        Handshake Protocol: Server Key Exchange
            Handshake Type: Server Key Exchange (12)
            Length: 361
            EC Diffie-Hellman Server Params
                Curve Type: named_curve (0x03)
                Named Curve: secp384r1 (0x0018)
                Pubkey Length: 97
                Pubkey: 04ceaf954564f0921f437e3fed55ebe8895a8cf6b5ef451cede88611b36b7cc1a6b7a621…
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Length: 256
                Signature: 78e2c64967cbdda081fb613ee94d4679ac36060a375edb23357b5fafb449819789031b3d…
```

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        Handshake Protocol: Server Hello Done
            Handshake Type: Server Hello Done (14)
            Length: 0
No.     Time           Source                Destination           Protocol Length Info
    252 4.123977       10.122.205.2          20.212.96.199         TCP      54     61101 → 443 [ACK] Seq=518 Ack=7143
Win=131072 Len=0
Frame 252: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.061985000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.061985000 seconds
    [Time delta from previous captured frame: 0.000130000 seconds]
    [Time delta from previous displayed frame: 0.000130000 seconds]
    [Time since reference or first frame: 4.123977000 seconds]
    Frame Number: 252
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x84da (34010)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 518, Ack: 7143, Len: 0
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 1326613391
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 7143    (relative ack number)
    Acknowledgment number (raw): 2750399099
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d32 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.184137000 seconds]
        [Time since previous frame in this TCP stream: 0.000130000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 251]
        [The RTT to ACK the segment was: 0.000130000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    253 4.126295       10.122.205.2          20.212.96.199         TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 253: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.064303000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.064303000 seconds
    [Time delta from previous captured frame: 0.002318000 seconds]
    [Time delta from previous displayed frame: 0.002318000 seconds]
    [Time since reference or first frame: 4.126295000 seconds]
    Frame Number: 253
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x84db (34011)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 518, Ack: 7143, Len: 158
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 158]
```

```
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 1326613391
    [Next Sequence Number: 676    (relative sequence number)]
    Acknowledgment Number: 7143    (relative ack number)
    Acknowledgment number (raw): 2750399099
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4dd0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.186455000 seconds]
        [Time since previous frame in this TCP stream: 0.002318000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
            EC Diffie-Hellman Client Params
                Pubkey Length: 97
                Pubkey: 0461a6ff00b77829d3fe2702d06befb8f22aa99c772979cb5bb503f724e8fcac603b7672…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    254 4.153888       20.189.173.15         10.122.205.2          TCP      66     443 → 61102 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 254: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.091896000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.091896000 seconds
    [Time delta from previous captured frame: 0.027593000 seconds]
    [Time delta from previous displayed frame: 0.027593000 seconds]
    [Time since reference or first frame: 4.153888000 seconds]
    Frame Number: 254
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
```

```
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9a84 (39556)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3594552728
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2138692182
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x2ff2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
```

```
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.183426000 seconds]
        [Time since previous frame in this TCP stream: 0.183426000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 239]
        [The RTT to ACK the segment was: 0.183426000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    255 4.153991       10.122.205.2          20.189.173.15         TCP      54     61102 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 255: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.091999000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.091999000 seconds
    [Time delta from previous captured frame: 0.000103000 seconds]
    [Time delta from previous displayed frame: 0.000103000 seconds]
    [Time since reference or first frame: 4.153991000 seconds]
    Frame Number: 255
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x945f (37983)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2138692182
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
```

```
    Acknowledgment number (raw): 3594552729
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.183529000 seconds]
        [Time since previous frame in this TCP stream: 0.000103000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 254]
        [The RTT to ACK the segment was: 0.000103000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    256 4.154293       10.122.205.2          20.189.173.15         TLSv1.2  571    Client Hello
Frame 256: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.092301000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.092301000 seconds
    [Time delta from previous captured frame: 0.000302000 seconds]
    [Time delta from previous displayed frame: 0.000302000 seconds]
    [Time since reference or first frame: 4.154293000 seconds]
    Frame Number: 256
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x9460 (37984)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
```

```
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2138692182
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3594552729
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9b68 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.183831000 seconds]
        [Time since previous frame in this TCP stream: 0.000302000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 2453cc0c2cc14dd0658270328102b55f340a8b6acb3c60d477d676ceb9046a88
                GMT Unix Time: Apr 25, 1989 09:38:20.000000000 中国标准时间
                Random Bytes: 2cc14dd0658270328102b55f340a8b6acb3c60d477d676ceb9046a88
            Session ID Length: 32
            Session ID: 224b000048b32e78f7dee70101bfad42550750238ce8d523f455bd1e14582d21
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xdada)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 401
```

```
        Extension: Reserved (GREASE) (len=0)
            Type: Reserved (GREASE) (51914)
            Length: 0
            Data: <MISSING>
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
            Algorithms Length: 2
            Algorithm: brotli (2)
        Extension: renegotiation_info (len=1)
            Type: renegotiation_info (65281)
            Length: 1
            Renegotiation Info extension
                Renegotiation info extension length: 0
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: session_ticket (len=0)
            Type: session_ticket (35)
            Length: 0
            Data (0 bytes)
        Extension: signature_algorithms (len=18)
            Type: signature_algorithms (13)
            Length: 18
            Signature Hash Algorithms Length: 16
            Signature Hash Algorithms (8 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: application_settings (len=5)
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: supported_groups (len=10)
            Type: supported_groups (10)
            Length: 10
            Supported Groups List Length: 8
            Supported Groups (4 groups)
                Supported Group: Reserved (GREASE) (0xaaaa)
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
```

```
            Extension: signed_certificate_timestamp (len=0)
                Type: signed_certificate_timestamp (18)
                Length: 0
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: server_name (len=32)
                Type: server_name (0)
                Length: 32
                Server Name Indication extension
                    Server Name list length: 30
                    Server Name Type: host_name (0)
                    Server Name length: 27
                    Server Name: browser.events.data.msn.com
            Extension: status_request (len=5)
                Type: status_request (5)
                Length: 5
                Certificate Status Type: OCSP (1)
                Responder ID list Length: 0
                Request Extensions Length: 0
            Extension: supported_versions (len=7)
                Type: supported_versions (43)
                Length: 7
                Supported Versions length: 6
                Supported Version: Reserved (GREASE) (0x3a3a)
                Supported Version: TLS 1.3 (0x0304)
                Supported Version: TLS 1.2 (0x0303)
            Extension: key_share (len=43)
                Type: key_share (51)
                Length: 43
                Key Share extension
                    Client Key Share Length: 41
                    Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                        Group: Reserved (GREASE) (43690)
                        Key Exchange Length: 1
                        Key Exchange: 00
                    Key Share Entry: Group: x25519, Key Exchange length: 32
                        Group: x25519 (29)
                        Key Exchange Length: 32
                        Key Exchange: 5119a42f429c0920a02c2fcd9dc0ac475adb2967f2d5f1b8935e2fb369a15319
            Extension: ec_point_formats (len=2)
                Type: ec_point_formats (11)
                Length: 2
                EC point formats Length: 1
                Elliptic curves point formats (1)
                    EC point format: uncompressed (0)
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (2570)
                Length: 1
                Data: 00
            Extension: padding (len=186)
                Type: padding (21)
                Length: 186
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,27-65281-16-35-13-17513-10-45-18-23
            [JA3: 9d01c3645f91de0b29ef275dea168beb]
No.     Time           Source                Destination           Protocol Length Info
    257 4.186060       10.122.205.2          128.119.245.12        TCP      66     61103 → 80 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 257: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.124068000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.124068000 seconds
    [Time delta from previous captured frame: 0.031767000 seconds]
    [Time delta from previous displayed frame: 0.031767000 seconds]
    [Time since reference or first frame: 4.186060000 seconds]
    Frame Number: 257
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9567 (38247)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61103, Dst Port: 80, Seq: 0, Len: 0
    Source Port: 61103
    Destination Port: 80
    [Stream index: 13]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 819894365
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 80]
                [Connection establish request (SYN): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x4d27 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
```

```
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    258 4.205092       128.119.245.12        10.122.205.2          TCP      66     80 → 61099 [SYN, ACK] Seq=0 Ack=1
Win=29200 Len=0 MSS=1382 SACK_PERM WS=128
Frame 258: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.143100000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.143100000 seconds
    [Time delta from previous captured frame: 0.019032000 seconds]
    [Time delta from previous displayed frame: 0.019032000 seconds]
    [Time since reference or first frame: 4.205092000 seconds]
    Frame Number: 258
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x0ac4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 0, Ack: 1, Len: 0
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1283093602
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
```

```
    Acknowledgment number (raw): 2697480855
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 80]
                [Connection establish acknowledge (SYN+ACK): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 29200
    [Calculated window size: 29200]
    Checksum: 0x1506 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 7 (multiply by 128)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 7
            [Multiplier: 128]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.270318000 seconds]
        [Time since previous frame in this TCP stream: 0.270318000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 231]
        [The RTT to ACK the segment was: 0.270318000 seconds]
        [iRTT: 0.270431000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    259 4.205205       10.122.205.2          128.119.245.12        TCP      54     61099 → 80 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 259: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.143213000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.143213000 seconds
    [Time delta from previous captured frame: 0.000113000 seconds]
    [Time delta from previous displayed frame: 0.000113000 seconds]
    [Time since reference or first frame: 4.205205000 seconds]
    Frame Number: 259
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9568 (38248)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 1, Ack: 1, Len: 0
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2697480855
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1283093603
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d1b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.270431000 seconds]
        [Time since previous frame in this TCP stream: 0.000113000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 258]
        [The RTT to ACK the segment was: 0.000113000 seconds]
        [iRTT: 0.270431000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    260 4.205508       10.122.205.2          128.119.245.12        HTTP     562    GET /wireshark-labs/HTTP-wireshark-
file3.html HTTP/1.1
Frame 260: 562 bytes on wire (4496 bits), 562 bytes captured (4496 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.143516000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821634.143516000 seconds
    [Time delta from previous captured frame: 0.000303000 seconds]
    [Time delta from previous displayed frame: 0.000303000 seconds]
    [Time since reference or first frame: 4.205508000 seconds]
    Frame Number: 260
    Frame Length: 562 bytes (4496 bits)
    Capture Length: 562 bytes (4496 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 548
    Identification: 0x9569 (38249)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 1, Ack: 1, Len: 508
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 508]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2697480855
    [Next Sequence Number: 509    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1283093603
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4f17 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.270734000 seconds]
        [Time since previous frame in this TCP stream: 0.000303000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 508]
```

```
        [Bytes sent since last PSH flag: 508]
    TCP payload (508 bytes)
Hypertext Transfer Protocol
    GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n]
            [GET /wireshark-labs/HTTP-wireshark-file3.html HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: GET
        Request URI: /wireshark-labs/HTTP-wireshark-file3.html
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    Upgrade-Insecure-Requests: 1\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0
Safari/537.36 Edg/112.0.0.0\r\n
    Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-
exchange;v=b3;q=0.7\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: zh-CN,zh;q=0.9,en-US;q=0.8,en;q=0.7,en-GB;q=0.6\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html]
    [HTTP request 1/2]
    [Response in frame: 303]
    [Next request in frame: 367]
No.     Time           Source                Destination           Protocol Length Info
    261 4.206806       128.119.245.12        10.122.205.2          TCP      66     80 → 61100 [SYN, ACK] Seq=0 Ack=1
Win=29200 Len=0 MSS=1382 SACK_PERM WS=128
Frame 261: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.144814000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.144814000 seconds
    [Time delta from previous captured frame: 0.001298000 seconds]
    [Time delta from previous displayed frame: 0.001298000 seconds]
    [Time since reference or first frame: 4.206806000 seconds]
    Frame Number: 261
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 36
    Protocol: TCP (6)
    Header Checksum: 0x09c4 [validation disabled]
    [Header checksum status: Unverified]
```

```
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61100, Seq: 0, Ack: 1, Len: 0
    Source Port: 80
    Destination Port: 61100
    [Stream index: 10]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 860461652
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1728274464
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 80]
                [Connection establish acknowledge (SYN+ACK): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 29200
    [Calculated window size: 29200]
    Checksum: 0x2c80 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 7 (multiply by 128)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 7
            [Multiplier: 128]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.269882000 seconds]
        [Time since previous frame in this TCP stream: 0.269882000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 233]
        [The RTT to ACK the segment was: 0.269882000 seconds]
        [iRTT: 0.269955000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    262 4.206879       10.122.205.2          128.119.245.12        TCP      54     61100 → 80 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 262: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.144887000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.144887000 seconds
    [Time delta from previous captured frame: 0.000073000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000073000 seconds]
    [Time since reference or first frame: 4.206879000 seconds]
    Frame Number: 262
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x956a (38250)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61100, Dst Port: 80, Seq: 1, Ack: 1, Len: 0
    Source Port: 61100
    Destination Port: 80
    [Stream index: 10]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1728274464
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 860461653
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d1b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.269955000 seconds]
        [Time since previous frame in this TCP stream: 0.000073000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 261]
        [The RTT to ACK the segment was: 0.000073000 seconds]
        [iRTT: 0.269955000 seconds]
No.     Time           Source                Destination           Protocol Length Info
```

```
    263 4.218017       20.212.96.199         10.122.205.2          TLSv1.2  105    Change Cipher Spec, Encrypted
Handshake Message
Frame 263: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.156025000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.156025000 seconds
    [Time delta from previous captured frame: 0.011138000 seconds]
    [Time delta from previous displayed frame: 0.011138000 seconds]
    [Time since reference or first frame: 4.218017000 seconds]
    Frame Number: 263
    Frame Length: 105 bytes (840 bits)
    Capture Length: 105 bytes (840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 91
    Identification: 0xca72 (51826)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xff12 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 7143, Ack: 676, Len: 51
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 51]
    Sequence Number: 7143    (relative sequence number)
    Sequence Number (raw): 2750399099
    [Next Sequence Number: 7194    (relative sequence number)]
    Acknowledgment Number: 676    (relative ack number)
    Acknowledgment number (raw): 1326613549
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
```

```
    Window: 2048
    [Calculated window size: 524288]
    [Window size scaling factor: 256]
    Checksum: 0xb80d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.278177000 seconds]
        [Time since previous frame in this TCP stream: 0.091722000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 253]
        [The RTT to ACK the segment was: 0.091722000 seconds]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 51]
        [Bytes sent since last PSH flag: 51]
    TCP payload (51 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    264 4.218400       10.122.205.2          20.212.96.199         TLSv1.2  686    Application Data
Frame 264: 686 bytes on wire (5488 bits), 686 bytes captured (5488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.156408000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.156408000 seconds
    [Time delta from previous captured frame: 0.000383000 seconds]
    [Time delta from previous displayed frame: 0.000383000 seconds]
    [Time since reference or first frame: 4.218400000 seconds]
    Frame Number: 264
    Frame Length: 686 bytes (5488 bits)
    Capture Length: 686 bytes (5488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 672
    Identification: 0x84dc (34012)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
```

```
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 676, Ack: 7194, Len: 632
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 632]
    Sequence Number: 676    (relative sequence number)
    Sequence Number (raw): 1326613549
    [Next Sequence Number: 1308    (relative sequence number)]
    Acknowledgment Number: 7194    (relative ack number)
    Acknowledgment number (raw): 2750399150
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4faa [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.278560000 seconds]
        [Time since previous frame in this TCP stream: 0.000383000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 263]
        [The RTT to ACK the segment was: 0.000383000 seconds]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 632]
        [Bytes sent since last PSH flag: 632]
    TCP payload (632 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 627
        Encrypted Application Data: 0000000000000012ea483ba85ff90baf2cdd53353f01b181e9f22ef11ffc9e58dfdfcbb…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    265 4.218486       10.122.205.2          20.212.96.199         TCP      1436   61101 → 443 [ACK] Seq=1308 Ack=7194
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 265: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.156494000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.156494000 seconds
    [Time delta from previous captured frame: 0.000086000 seconds]
    [Time delta from previous displayed frame: 0.000086000 seconds]
    [Time since reference or first frame: 4.218486000 seconds]
    Frame Number: 265
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x84dd (34013)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 1308, Ack: 7194, Len: 1382
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 1308    (relative sequence number)
    Sequence Number (raw): 1326614181
    [Next Sequence Number: 2690    (relative sequence number)]
    Acknowledgment Number: 7194    (relative ack number)
    Acknowledgment number (raw): 2750399150
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x5298 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.278646000 seconds]
        [Time since previous frame in this TCP stream: 0.000086000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 2014]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 266]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    266 4.218486       10.122.205.2          20.212.96.199         TLSv1.2  305    Application Data
Frame 266: 305 bytes on wire (2440 bits), 305 bytes captured (2440 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.156494000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821634.156494000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.218486000 seconds]
    Frame Number: 266
    Frame Length: 305 bytes (2440 bits)
    Capture Length: 305 bytes (2440 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 291
    Identification: 0x84de (34014)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 2690, Ack: 7194, Len: 251
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 251]
    Sequence Number: 2690    (relative sequence number)
    Sequence Number (raw): 1326615563
    [Next Sequence Number: 2941    (relative sequence number)]
    Acknowledgment Number: 7194    (relative ack number)
    Acknowledgment number (raw): 2750399150
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4e2d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.278646000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 2265]
```

```
        [Bytes sent since last PSH flag: 1633]
    TCP payload (251 bytes)
    TCP segment data (251 bytes)
[2 Reassembled TCP Segments (1633 bytes): #265(1382), #266(251)]
    [Frame: 265, payload: 0-1381 (1382 bytes)]
    [Frame: 266, payload: 1382-1632 (251 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 1633]
    [Reassembled TCP Data: 170303065c0000000000000002de9fe803a22d44b323021e5dbba82bad1d3aa3187dd46c…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 1628
        Encrypted Application Data: 0000000000000002de9fe803a22d44b323021e5dbba82bad1d3aa3187dd46cfe1d958422…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    267 4.236098       140.82.113.22         10.122.205.2          TLSv1.3  1436   Server Hello, Change Cipher Spec,
Application Data
Frame 267: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.174106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.174106000 seconds
    [Time delta from previous captured frame: 0.017612000 seconds]
    [Time delta from previous displayed frame: 0.017612000 seconds]
    [Time since reference or first frame: 4.236098000 seconds]
    Frame Number: 267
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9fe2 (40930)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xd7a2 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
```

```
    Sequence Number (raw): 1459734678
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3424996661
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 66
    [Calculated window size: 67584]
    [Window size scaling factor: 1024]
    Checksum: 0x40be [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.491809000 seconds]
        [Time since previous frame in this TCP stream: 0.245256000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 242]
        [The RTT to ACK the segment was: 0.245256000 seconds]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 269]
    TCP segment data (1217 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Handshake Protocol: Server Hello
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 122
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 118
            Version: TLS 1.2 (0x0303)
            Random: 368936dc76faa90586f3e5ca9ba8f26f360ff20155bce241d1a1961a09f56429
            Session ID Length: 32
            Session ID: d896874cd990b3905c3bd28ce125038decc8d8fb7106e358aea76df15cac802f
            Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
            Compression Method: null (0)
            Extensions Length: 46
            Extension: supported_versions (len=2)
                Type: supported_versions (43)
                Length: 2
                Supported Version: TLS 1.3 (0x0304)
            Extension: key_share (len=36)
                Type: key_share (51)
                Length: 36
                Key Share extension
                    Key Share Entry: Group: x25519, Key Exchange length: 32
                        Group: x25519 (29)
                        Key Exchange Length: 32
                        Key Exchange: ce4c91851410168afe6881007fce9c40bdc76cdbd0229caf10297fc1ae541674
            [JA3S Fullstring: 771,4867,43-51]
            [JA3S: 475c9302dc42b2751db9edcac3b74891]
    TLSv1.3 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 27
        Encrypted Application Data: b7de4bd3c3a216432104d529686f252c9c75d6d92a189d89d8fa12
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
    268 4.236098       140.82.113.22         10.122.205.2          TCP      1436   443 → 61097 [ACK] Seq=1383 Ack=518
Win=67584 Len=1382 [TCP segment of a reassembled PDU]
Frame 268: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.174106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.174106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.236098000 seconds]
    Frame Number: 268
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9fe3 (40931)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xd7a1 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1459736060
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3424996661
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
```

```
    Window: 66
    [Calculated window size: 67584]
    [Window size scaling factor: 1024]
    Checksum: 0x9e3a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.491809000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 269]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    269 4.236098       140.82.113.22         10.122.205.2          TLSv1.3  818    Application Data, Application Data,
Application Data
Frame 269: 818 bytes on wire (6544 bits), 818 bytes captured (6544 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.174106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.174106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.236098000 seconds]
    Frame Number: 269
    Frame Length: 818 bytes (6544 bits)
    Capture Length: 818 bytes (6544 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 804
    Identification: 0x9fe4 (40932)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xda0a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 2765, Ack: 518, Len: 764
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 764]
    Sequence Number: 2765    (relative sequence number)
```

```
    Sequence Number (raw): 1459737442
    [Next Sequence Number: 3529    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 3424996661
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 66
    [Calculated window size: 67584]
    [Window size scaling factor: 1024]
    Checksum: 0x7e6d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.491809000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 3528]
        [Bytes sent since last PSH flag: 3528]
    TCP payload (764 bytes)
    TCP segment data (420 bytes)
[3 Reassembled TCP Segments (3019 bytes): #267(1217), #268(1382), #269(420)]
    [Frame: 267, payload: 0-1216 (1217 bytes)]
    [Frame: 268, payload: 1217-2598 (1382 bytes)]
    [Frame: 269, payload: 2599-3018 (420 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3019]
    [Reassembled TCP Data: 1703030bc69c0e43a97969fbd465c96b1151c4516eab83c77cc1581b475242fa6e9bab99…]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3014
        Encrypted Application Data: 9c0e43a97969fbd465c96b1151c4516eab83c77cc1581b475242fa6e9bab997b60909430…
        [Application Data Protocol: Hypertext Transfer Protocol]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 281
        Encrypted Application Data: 7ca6f8f53ae1e82740ce4260083f6006d63b10db9ea8dfc0c3eff9ff8b08a700dde5c05d…
        [Application Data Protocol: Hypertext Transfer Protocol]
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: 90b23728c21a98af6be6ab30737dd8254a01b34629e866f034dbda5bb32bc2ce23486941…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    270 4.236170       10.122.205.2          140.82.113.22         TCP      54     61097 → 443 [ACK] Seq=518 Ack=3529
Win=131072 Len=0
Frame 270: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.174178000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.174178000 seconds
    [Time delta from previous captured frame: 0.000072000 seconds]
    [Time delta from previous displayed frame: 0.000072000 seconds]
    [Time since reference or first frame: 4.236170000 seconds]
    Frame Number: 270
```

```
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xdd6f (56687)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 518, Ack: 3529, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3424996661
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 3529    (relative ack number)
    Acknowledgment number (raw): 1459738206
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xd4ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.491881000 seconds]
        [Time since previous frame in this TCP stream: 0.000072000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 269]
        [The RTT to ACK the segment was: 0.000072000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    271 4.237551       10.122.205.2          140.82.113.22         TLSv1.3  1436   Change Cipher Spec, Application Data
Frame 271: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
```

```
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.175559000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.175559000 seconds
    [Time delta from previous captured frame: 0.001381000 seconds]
    [Time delta from previous displayed frame: 0.001381000 seconds]
    [Time since reference or first frame: 4.237551000 seconds]
    Frame Number: 271
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xdd70 (56688)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 518, Ack: 3529, Len: 1382
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 3424996661
    [Next Sequence Number: 1900    (relative sequence number)]
    Acknowledgment Number: 3529    (relative ack number)
    Acknowledgment number (raw): 1459738206
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xda65 [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.493262000 seconds]
        [Time since previous frame in this TCP stream: 0.001381000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 273]
    TCP segment data (1318 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 53
        Encrypted Application Data: 895118dfcb552ad39ebbb456ed09e8c2860c69d1ffdbb6703201de7b27b28da19b9a003f…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    272 4.237551       10.122.205.2          140.82.113.22         TCP      1436   61097 → 443 [ACK] Seq=1900 Ack=3529
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 272: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.175559000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.175559000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.237551000 seconds]
    Frame Number: 272
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xdd71 (56689)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
```

```
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 1900, Ack: 3529, Len: 1382
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1900    (relative sequence number)
    Sequence Number (raw): 3424998043
    [Next Sequence Number: 3282    (relative sequence number)]
    Acknowledgment Number: 3529    (relative ack number)
    Acknowledgment number (raw): 1459738206
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xda65 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.493262000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 273]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    273 4.237551       10.122.205.2          140.82.113.22         TLSv1.3  1340   Application Data
Frame 273: 1340 bytes on wire (10720 bits), 1340 bytes captured (10720 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.175559000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.175559000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.237551000 seconds]
    Frame Number: 273
    Frame Length: 1340 bytes (10720 bits)
    Capture Length: 1340 bytes (10720 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1326
    Identification: 0xdd72 (56690)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 3282, Ack: 3529, Len: 1286
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1286]
    Sequence Number: 3282    (relative sequence number)
    Sequence Number (raw): 3424999425
    [Next Sequence Number: 4568    (relative sequence number)]
    Acknowledgment Number: 3529    (relative ack number)
    Acknowledgment number (raw): 1459738206
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xda05 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.493262000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 4050]
        [Bytes sent since last PSH flag: 4050]
    TCP payload (1286 bytes)
    TCP segment data (1286 bytes)
[3 Reassembled TCP Segments (3986 bytes): #271(1318), #272(1382), #273(1286)]
    [Frame: 271, payload: 0-1317 (1318 bytes)]
    [Frame: 272, payload: 1318-2699 (1382 bytes)]
    [Frame: 273, payload: 2700-3985 (1286 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3986]
    [Reassembled TCP Data: 1703030f8dcb29df99ba4ee8641150c07ca122e053ab44080c9ddbef00eff72e4f8099b1…]
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3981
        Encrypted Application Data: cb29df99ba4ee8641150c07ca122e053ab44080c9ddbef00eff72e4f8099b1817275191b…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    274 4.309379       20.212.96.199         10.122.205.2          TCP      60     443 → 61101 [ACK] Seq=7194 Ack=2941
Win=525056 Len=0
Frame 274: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.247387000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.247387000 seconds
    [Time delta from previous captured frame: 0.071828000 seconds]
    [Time delta from previous displayed frame: 0.071828000 seconds]
    [Time since reference or first frame: 4.309379000 seconds]
    Frame Number: 274
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xca73 (51827)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xff44 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 7194, Ack: 2941, Len: 0
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 7194    (relative sequence number)
    Sequence Number (raw): 2750399150
    [Next Sequence Number: 7194    (relative sequence number)]
    Acknowledgment Number: 2941    (relative ack number)
    Acknowledgment number (raw): 1326615814
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x279a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.369539000 seconds]
        [Time since previous frame in this TCP stream: 0.090893000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 266]
        [The RTT to ACK the segment was: 0.090893000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    275 4.319285       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=7194 Ack=2941
Win=525056 Len=1382 [TCP segment of a reassembled PDU]
Frame 275: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.257293000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.257293000 seconds
    [Time delta from previous captured frame: 0.009906000 seconds]
    [Time delta from previous displayed frame: 0.009906000 seconds]
    [Time since reference or first frame: 4.319285000 seconds]
    Frame Number: 275
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca74 (51828)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9dd [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 7194, Ack: 2941, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 7194    (relative sequence number)
    Sequence Number (raw): 2750399150
    [Next Sequence Number: 8576    (relative sequence number)]
    Acknowledgment Number: 2941    (relative ack number)
    Acknowledgment number (raw): 1326615814
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
```

```
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0xc652 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.379445000 seconds]
        [Time since previous frame in this TCP stream: 0.009906000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 277]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    276 4.319285       20.212.96.199         10.122.205.2          TCP      1436   443 → 61101 [ACK] Seq=8576 Ack=2941
Win=525056 Len=1382 [TCP segment of a reassembled PDU]
Frame 276: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.257293000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.257293000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.319285000 seconds]
    Frame Number: 276
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca75 (51829)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xf9dc [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
```

```
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 8576, Ack: 2941, Len: 1382
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 1382]
    Sequence Number: 8576    (relative sequence number)
    Sequence Number (raw): 2750400532
    [Next Sequence Number: 9958    (relative sequence number)]
    Acknowledgment Number: 2941    (relative ack number)
    Acknowledgment number (raw): 1326615814
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x1c50 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.379445000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 277]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    277 4.319285       20.212.96.199         10.122.205.2          TLSv1.2  702    Application Data
Frame 277: 702 bytes on wire (5616 bits), 702 bytes captured (5616 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.257293000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.257293000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.319285000 seconds]
    Frame Number: 277
    Frame Length: 702 bytes (5616 bits)
    Capture Length: 702 bytes (5616 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 688
    Identification: 0xca76 (51830)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xfcb9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 9958, Ack: 2941, Len: 648
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 648]
    Sequence Number: 9958    (relative sequence number)
    Sequence Number (raw): 2750401914
    [Next Sequence Number: 10607    (relative sequence number)]
    Acknowledgment Number: 2941    (relative ack number)
    Acknowledgment number (raw): 1326615814
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x019 (FIN, PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·******AP··F]
            [Expert Info (Note/Sequence): This frame initiates the connection closing]
                [This frame initiates the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x3527 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.379445000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.090894000 seconds]
        [Bytes in flight: 3412]
        [Bytes sent since last PSH flag: 3412]
    TCP payload (648 bytes)
    TCP segment data (648 bytes)
[3 Reassembled TCP Segments (3412 bytes): #275(1382), #276(1382), #277(648)]
    [Frame: 275, payload: 0-1381 (1382 bytes)]
    [Frame: 276, payload: 1382-2763 (1382 bytes)]
    [Frame: 277, payload: 2764-3411 (648 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3412]
    [Reassembled TCP Data: 1703030d4f000000000000001ad83ca3871a565707542a3369cc29fec95007a83d150c0…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3407
        Encrypted Application Data: 0000000000000001ad83ca3871a565707542a3369cc29fec95007a83d150c0cc0a186225…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
    278 4.319525       10.122.205.2          20.212.96.199         TCP      54     61101 → 443 [ACK] Seq=2941 Ack=10607
Win=131072 Len=0
Frame 278: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.257533000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.257533000 seconds
    [Time delta from previous captured frame: 0.000240000 seconds]
    [Time delta from previous displayed frame: 0.000240000 seconds]
    [Time since reference or first frame: 4.319525000 seconds]
    Frame Number: 278
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x84df (34015)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 2941, Ack: 10607, Len: 0
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 2941    (relative sequence number)
    Sequence Number (raw): 1326615814
    [Next Sequence Number: 2941    (relative sequence number)]
    Acknowledgment Number: 10607    (relative ack number)
    Acknowledgment number (raw): 2750402563
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
```

```
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d32 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.379685000 seconds]
        [Time since previous frame in this TCP stream: 0.000240000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 277]
        [The RTT to ACK the segment was: 0.000240000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    279 4.320445       10.122.205.2          20.212.96.199         TCP      54     61101 → 443 [FIN, ACK] Seq=2941
Ack=10607 Win=131072 Len=0
Frame 279: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.258453000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.258453000 seconds
    [Time delta from previous captured frame: 0.000920000 seconds]
    [Time delta from previous displayed frame: 0.000920000 seconds]
    [Time since reference or first frame: 4.320445000 seconds]
    Frame Number: 279
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.212.96.199
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x84e0 (34016)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.212.96.199
Transmission Control Protocol, Src Port: 61101, Dst Port: 443, Seq: 2941, Ack: 10607, Len: 0
    Source Port: 61101
    Destination Port: 443
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 2941    (relative sequence number)
    Sequence Number (raw): 1326615814
    [Next Sequence Number: 2942    (relative sequence number)]
    Acknowledgment Number: 10607    (relative ack number)
```

```
    Acknowledgment number (raw): 2750402563
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame undergoes the connection closing]
                [This frame undergoes the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d32 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.380605000 seconds]
        [Time since previous frame in this TCP stream: 0.000920000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    280 4.328242       10.122.205.2          10.3.9.45             DNS      95     Standard query 0x8f34 A data-
edge.smartscreen.microsoft.com
Frame 280: 95 bytes on wire (760 bits), 95 bytes captured (760 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.266250000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.266250000 seconds
    [Time delta from previous captured frame: 0.007797000 seconds]
    [Time delta from previous displayed frame: 0.007797000 seconds]
    [Time since reference or first frame: 4.328242000 seconds]
    Frame Number: 280
    Frame Length: 95 bytes (760 bits)
    Capture Length: 95 bytes (760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 81
    Identification: 0x8961 (35169)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 58326, Dst Port: 53
    Source Port: 58326
    Destination Port: 53
    Length: 61
    Checksum: 0xeafa [unverified]
    [Checksum Status: Unverified]
    [Stream index: 13]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (53 bytes)
Domain Name System (query)
    Transaction ID: 0x8f34
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        data-edge.smartscreen.microsoft.com: type A, class IN
            Name: data-edge.smartscreen.microsoft.com
            [Name Length: 35]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 282]
No.     Time           Source                Destination           Protocol Length Info
    281 4.329861       10.122.205.2          10.3.9.45             DNS      95     Standard query 0xaa57 HTTPS data-
edge.smartscreen.microsoft.com
Frame 281: 95 bytes on wire (760 bits), 95 bytes captured (760 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.267869000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.267869000 seconds
    [Time delta from previous captured frame: 0.001619000 seconds]
    [Time delta from previous displayed frame: 0.001619000 seconds]
    [Time since reference or first frame: 4.329861000 seconds]
    Frame Number: 281
    Frame Length: 95 bytes (760 bits)
    Capture Length: 95 bytes (760 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 81
    Identification: 0x8962 (35170)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 53846, Dst Port: 53
    Source Port: 53846
    Destination Port: 53
    Length: 61
    Checksum: 0xeafa [unverified]
    [Checksum Status: Unverified]
    [Stream index: 14]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (53 bytes)
Domain Name System (query)
    Transaction ID: 0xaa57
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        data-edge.smartscreen.microsoft.com: type HTTPS, class IN
            Name: data-edge.smartscreen.microsoft.com
            [Name Length: 35]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 283]
No.     Time           Source                Destination           Protocol Length Info
    282 4.331206       10.3.9.45             10.122.205.2          DNS      235    Standard query response 0x8f34 A
data-edge.smartscreen.microsoft.com CNAME tm-prod-wd-csp-edge.trafficmanager.net CNAME wd-prod-ss-as-southeast-2-
fe.southeastasia.cloudapp.azure.com A 40.90.184.73
Frame 282: 235 bytes on wire (1880 bits), 235 bytes captured (1880 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.269214000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.269214000 seconds
    [Time delta from previous captured frame: 0.001345000 seconds]
    [Time delta from previous displayed frame: 0.001345000 seconds]
    [Time since reference or first frame: 4.331206000 seconds]
    Frame Number: 282
    Frame Length: 235 bytes (1880 bits)
    Capture Length: 235 bytes (1880 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 221
    Identification: 0x66e2 (26338)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2e82 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 58326
    Source Port: 53
    Destination Port: 58326
    Length: 201
    Checksum: 0xc19b [unverified]
    [Checksum Status: Unverified]
    [Stream index: 13]
    [Timestamps]
        [Time since first frame: 0.002964000 seconds]
        [Time since previous frame: 0.002964000 seconds]
    UDP payload (193 bytes)
Domain Name System (response)
    Transaction ID: 0x8f34
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 0
    Additional RRs: 0
    Queries
        data-edge.smartscreen.microsoft.com: type A, class IN
            Name: data-edge.smartscreen.microsoft.com
            [Name Length: 35]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        data-edge.smartscreen.microsoft.com: type CNAME, class IN, cname tm-prod-wd-csp-edge.trafficmanager.net
            Name: data-edge.smartscreen.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 2954 (49 minutes, 14 seconds)
            Data length: 40
            CNAME: tm-prod-wd-csp-edge.trafficmanager.net
        tm-prod-wd-csp-edge.trafficmanager.net: type CNAME, class IN, cname wd-prod-ss-as-southeast-2-
fe.southeastasia.cloudapp.azure.com
            Name: tm-prod-wd-csp-edge.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 203 (3 minutes, 23 seconds)
            Data length: 60
```

```
            CNAME: wd-prod-ss-as-southeast-2-fe.southeastasia.cloudapp.azure.com
        wd-prod-ss-as-southeast-2-fe.southeastasia.cloudapp.azure.com: type A, class IN, addr 40.90.184.73
            Name: wd-prod-ss-as-southeast-2-fe.southeastasia.cloudapp.azure.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 102 (1 minute, 42 seconds)
            Data length: 4
            Address: 40.90.184.73
    [Request In: 280]
    [Time: 0.002964000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    283 4.332359       10.3.9.45             10.122.205.2          DNS      279    Standard query response 0xaa57 HTTPS
data-edge.smartscreen.microsoft.com CNAME tm-prod-wd-csp-edge.trafficmanager.net CNAME wd-prod-ss-as-southeast-2-
fe.southeastasia.cloudapp.azure.com SOA ns1-01.azure-dns.com
Frame 283: 279 bytes on wire (2232 bits), 279 bytes captured (2232 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.270367000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.270367000 seconds
    [Time delta from previous captured frame: 0.001153000 seconds]
    [Time delta from previous displayed frame: 0.001153000 seconds]
    [Time since reference or first frame: 4.332359000 seconds]
    Frame Number: 283
    Frame Length: 279 bytes (2232 bits)
    Capture Length: 279 bytes (2232 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 265
    Identification: 0xa1f2 (41458)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf345 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 53846
    Source Port: 53
    Destination Port: 53846
    Length: 245
    Checksum: 0x46f2 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 14]
    [Timestamps]
        [Time since first frame: 0.002498000 seconds]
        [Time since previous frame: 0.002498000 seconds]
    UDP payload (237 bytes)
Domain Name System (response)
```

```
    Transaction ID: 0xaa57
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        data-edge.smartscreen.microsoft.com: type HTTPS, class IN
            Name: data-edge.smartscreen.microsoft.com
            [Name Length: 35]
            [Label Count: 4]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        data-edge.smartscreen.microsoft.com: type CNAME, class IN, cname tm-prod-wd-csp-edge.trafficmanager.net
            Name: data-edge.smartscreen.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 2954 (49 minutes, 14 seconds)
            Data length: 40
            CNAME: tm-prod-wd-csp-edge.trafficmanager.net
        tm-prod-wd-csp-edge.trafficmanager.net: type CNAME, class IN, cname wd-prod-ss-as-southeast-2-
fe.southeastasia.cloudapp.azure.com
            Name: tm-prod-wd-csp-edge.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 203 (3 minutes, 23 seconds)
            Data length: 60
            CNAME: wd-prod-ss-as-southeast-2-fe.southeastasia.cloudapp.azure.com
    Authoritative nameservers
        southeastasia.cloudapp.azure.com: type SOA, class IN, mname ns1-01.azure-dns.com
            Name: southeastasia.cloudapp.azure.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 203 (3 minutes, 23 seconds)
            Data length: 48
            Primary name server: ns1-01.azure-dns.com
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 10001
            Refresh Interval: 900 (15 minutes)
            Retry Interval: 300 (5 minutes)
            Expire limit: 604800 (7 days)
            Minimum TTL: 60 (1 minute)
    [Request In: 281]
    [Time: 0.002498000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    284 4.335530       10.122.205.2          40.90.184.73          TCP      66     61104 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 284: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.273538000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.273538000 seconds
    [Time delta from previous captured frame: 0.003171000 seconds]
    [Time delta from previous displayed frame: 0.003171000 seconds]
    [Time since reference or first frame: 4.335530000 seconds]
    Frame Number: 284
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xefad (61357)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 4119214801
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0xb846 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
```

```
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    285 4.340296       20.189.173.15         10.122.205.2          TCP      1436   443 → 61102 [ACK] Seq=1 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 285: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278304000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278304000 seconds
    [Time delta from previous captured frame: 0.004766000 seconds]
    [Time delta from previous displayed frame: 0.004766000 seconds]
    [Time since reference or first frame: 4.340296000 seconds]
    Frame Number: 285
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9a85 (39557)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xde9b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3594552729
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2138692699
    0101 .... = Header Length: 20 bytes (5)
```

```
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xec5b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369834000 seconds]
        [Time since previous frame in this TCP stream: 0.186003000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 256]
        [The RTT to ACK the segment was: 0.186003000 seconds]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 289]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    286 4.340296       20.189.173.15         10.122.205.2          TCP      1436   443 → 61102 [ACK] Seq=1383 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 286: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278304000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278304000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.340296000 seconds]
    Frame Number: 286
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9a86 (39558)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xde9a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 3594554111
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2138692699
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xe396 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369834000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 289]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    287 4.340296       20.189.173.15         10.122.205.2          TCP      1436   443 → 61102 [ACK] Seq=2765 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 287: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278304000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278304000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.340296000 seconds]
    Frame Number: 287
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9a87 (39559)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xde99 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 2765, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 3594555493
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2138692699
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xe237 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369834000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 289]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    288 4.340296       20.189.173.15         10.122.205.2          TCP      818    [TCP Previous segment not captured]
443 → 61102 [PSH, ACK] Seq=5529 Ack=518 Win=524544 Len=764 [TCP segment of a reassembled PDU]
Frame 288: 818 bytes on wire (6544 bits), 818 bytes captured (6544 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278304000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821634.278304000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.340296000 seconds]
    Frame Number: 288
    Frame Length: 818 bytes (6544 bits)
    Capture Length: 818 bytes (6544 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 804
    Identification: 0x9a89 (39561)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe101 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 5529, Ack: 518, Len: 764
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 764]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 3594558257
    [Next Sequence Number: 6293    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2138692699
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xd42d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369834000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
```

```
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (764 bytes)
    [Reassembled PDU in frame: 289]
    TCP segment data (764 bytes)
No.     Time           Source                Destination           Protocol Length Info
    289 4.340296       20.189.173.15         10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61102 [ACK]
Seq=4147 Ack=518 Win=524544 Len=1382
Frame 289: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278304000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278304000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.340296000 seconds]
    Frame Number: 289
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9a88 (39560)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xde98 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 4147, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 3594556875
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2138692699
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x44f6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369834000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
    TCP segment data (1382 bytes)
[5 Reassembled TCP Segments (6292 bytes): #285(1382), #286(1382), #287(1382), #289(1382), #288(764)]
    [Frame: 285, payload: 0-1381 (1382 bytes)]
    [Frame: 286, payload: 1382-2763 (1382 bytes)]
    [Frame: 287, payload: 2764-4145 (1382 bytes)]
    [Frame: 289, payload: 4146-5527 (1382 bytes)]
    [Frame: 288, payload: 5528-6291 (764 bytes)]
    [Segment count: 5]
    [Reassembled TCP length: 6292]
    [Reassembled TCP Data: 160303188f020000550303640186c0dfbde271e3a27dff95315c369935dc2eea768fad92…]
No.     Time           Source                Destination           Protocol Length Info
    290 4.340500       10.122.205.2          20.189.173.15         TCP      66     61102 → 443 [ACK] Seq=518 Ack=4147
Win=131072 Len=0 SLE=5529 SRE=6293
Frame 290: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278508000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278508000 seconds
    [Time delta from previous captured frame: 0.000204000 seconds]
    [Time delta from previous displayed frame: 0.000204000 seconds]
    [Time since reference or first frame: 4.340500000 seconds]
    Frame Number: 290
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
```

```
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9461 (37985)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 518, Ack: 4147, Len: 0
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2138692699
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 4147    (relative ack number)
    Acknowledgment number (raw): 3594556875
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-6293
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 6293 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.370038000 seconds]
        [Time since previous frame in this TCP stream: 0.000204000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 287]
        [The RTT to ACK the segment was: 0.000204000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    291 4.340618       10.122.205.2          20.189.173.15         TCP      54     61102 → 443 [ACK] Seq=518 Ack=6293
Win=131072 Len=0
Frame 291: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.278626000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.278626000 seconds
    [Time delta from previous captured frame: 0.000118000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000118000 seconds]
    [Time since reference or first frame: 4.340618000 seconds]
    Frame Number: 291
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9462 (37986)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 518, Ack: 6293, Len: 0
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2138692699
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 6293    (relative ack number)
    Acknowledgment number (raw): 3594559021
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.370156000 seconds]
        [Time since previous frame in this TCP stream: 0.000118000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 288]
        [The RTT to ACK the segment was: 0.000322000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
```

```
    292 4.345158       10.122.205.2          20.189.173.15         TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 292: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.283166000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.283166000 seconds
    [Time delta from previous captured frame: 0.004540000 seconds]
    [Time delta from previous displayed frame: 0.004540000 seconds]
    [Time since reference or first frame: 4.345158000 seconds]
    Frame Number: 292
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x9463 (37987)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 518, Ack: 6293, Len: 158
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 158]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2138692699
    [Next Sequence Number: 676    (relative sequence number)]
    Acknowledgment Number: 6293    (relative ack number)
    Acknowledgment number (raw): 3594559021
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
```

```
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9a01 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.374696000 seconds]
        [Time since previous frame in this TCP stream: 0.004540000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    293 4.410951       20.212.96.199         10.122.205.2          TCP      60     443 → 61101 [ACK] Seq=10607 Ack=2942
Win=525056 Len=0
Frame 293: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.348959000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.348959000 seconds
    [Time delta from previous captured frame: 0.065793000 seconds]
    [Time delta from previous displayed frame: 0.065793000 seconds]
    [Time since reference or first frame: 4.410951000 seconds]
    Frame Number: 293
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.212.96.199, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xca77 (51831)
    010. .... = Flags: 0x2, Don't fragment
```

```
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 100
    Protocol: TCP (6)
    Header Checksum: 0xff40 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.212.96.199
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61101, Seq: 10607, Ack: 2942, Len: 0
    Source Port: 443
    Destination Port: 61101
    [Stream index: 11]
    [Conversation completeness: Complete, WITH_DATA (31)]
    [TCP Segment Len: 0]
    Sequence Number: 10607    (relative sequence number)
    Sequence Number (raw): 2750402563
    [Next Sequence Number: 10607    (relative sequence number)]
    Acknowledgment Number: 2942    (relative ack number)
    Acknowledgment number (raw): 1326615815
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x1a44 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.471111000 seconds]
        [Time since previous frame in this TCP stream: 0.090506000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 279]
        [The RTT to ACK the segment was: 0.090506000 seconds]
        [iRTT: 0.090894000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    294 4.440656       40.90.184.73          10.122.205.2          TCP      66     443 → 61104 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 294: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.378664000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.378664000 seconds
    [Time delta from previous captured frame: 0.029705000 seconds]
    [Time delta from previous displayed frame: 0.029705000 seconds]
    [Time since reference or first frame: 4.440656000 seconds]
    Frame Number: 294
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 40.90.184.73, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xf1b3 (61875)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 104
    Protocol: TCP (6)
    Header Checksum: 0x68f0 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 40.90.184.73
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61104, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61104
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 444903761
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 4119214802
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0xca93 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
```

```
    [Timestamps]
        [Time since first frame in this TCP stream: 0.105126000 seconds]
        [Time since previous frame in this TCP stream: 0.105126000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 284]
        [The RTT to ACK the segment was: 0.105126000 seconds]
        [iRTT: 0.105316000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    295 4.440846       10.122.205.2          40.90.184.73          TCP      54     61104 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 295: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.378854000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.378854000 seconds
    [Time delta from previous captured frame: 0.000190000 seconds]
    [Time delta from previous displayed frame: 0.000190000 seconds]
    [Time since reference or first frame: 4.440846000 seconds]
    Frame Number: 295
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xefae (61358)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xb83a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.105316000 seconds]
        [Time since previous frame in this TCP stream: 0.000190000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 294]
        [The RTT to ACK the segment was: 0.000190000 seconds]
        [iRTT: 0.105316000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    296 4.441331       10.122.205.2          40.90.184.73          TLSv1    571    Client Hello
Frame 296: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.379339000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.379339000 seconds
    [Time delta from previous captured frame: 0.000485000 seconds]
    [Time delta from previous displayed frame: 0.000485000 seconds]
    [Time since reference or first frame: 4.441331000 seconds]
    Frame Number: 296
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xefaf (61359)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xba3f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.105801000 seconds]
        [Time since previous frame in this TCP stream: 0.000485000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 52a04dd09ac1c6f95541cbf84da63cb75a2871722a0d9ca7cf27865c512e7c45
                GMT Unix Time: Dec  5, 2013 17:56:32.000000000 中国标准时间
                Random Bytes: 9ac1c6f95541cbf84da63cb75a2871722a0d9ca7cf27865c512e7c45
            Session ID Length: 32
            Session ID: ee050000a5916028d4e62bbef7d6dc63d2c596ad3ba97d2c2eb5a62cbe3037a6
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xeaea)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 401
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (31354)
                Length: 0
                Data: <MISSING>
            Extension: session_ticket (len=0)
                Type: session_ticket (35)
```

```
            Length: 0
            Data (0 bytes)
        Extension: key_share (len=43)
            Type: key_share (51)
            Length: 43
            Key Share extension
                Client Key Share Length: 41
                Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                    Group: Reserved (GREASE) (31354)
                    Key Exchange Length: 1
                    Key Exchange: 00
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: dba79f281228795acba6993f2e1e93f9a1a33e15c679327319f987d4bc750e36
        Extension: server_name (len=40)
            Type: server_name (0)
            Length: 40
            Server Name Indication extension
                Server Name list length: 38
                Server Name Type: host_name (0)
                Server Name length: 35
                Server Name: data-edge.smartscreen.microsoft.com
        Extension: signed_certificate_timestamp (len=0)
            Type: signed_certificate_timestamp (18)
            Length: 0
        Extension: status_request (len=5)
            Type: status_request (5)
            Length: 5
            Certificate Status Type: OCSP (1)
            Responder ID list Length: 0
            Request Extensions Length: 0
        Extension: application_settings (len=5)
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: supported_versions (len=7)
            Type: supported_versions (43)
            Length: 7
            Supported Versions length: 6
            Supported Version: Reserved (GREASE) (0xaaaa)
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: signature_algorithms (len=18)
            Type: signature_algorithms (13)
            Length: 18
            Signature Hash Algorithms Length: 16
            Signature Hash Algorithms (8 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
```

```
                Length: 3
                Algorithms Length: 2
                Algorithm: brotli (2)
            Extension: ec_point_formats (len=2)
                Type: ec_point_formats (11)
                Length: 2
                EC point formats Length: 1
                Elliptic curves point formats (1)
                    EC point format: uncompressed (0)
            Extension: psk_key_exchange_modes (len=2)
                Type: psk_key_exchange_modes (45)
                Length: 2
                PSK Key Exchange Modes Length: 1
                PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: application_layer_protocol_negotiation (len=14)
                Type: application_layer_protocol_negotiation (16)
                Length: 14
                ALPN Extension Length: 12
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
                    ALPN string length: 8
                    ALPN Next Protocol: http/1.1
            Extension: supported_groups (len=10)
                Type: supported_groups (10)
                Length: 10
                Supported Groups List Length: 8
                Supported Groups (4 groups)
                    Supported Group: Reserved (GREASE) (0x7a7a)
                    Supported Group: x25519 (0x001d)
                    Supported Group: secp256r1 (0x0017)
                    Supported Group: secp384r1 (0x0018)
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (23130)
                Length: 1
                Data: 00
            Extension: padding (len=178)
                Type: padding (21)
                Length: 178
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,35-51-0-18-5-17513-43-13-27-11-45-6
            [JA3: 9b352c90964f1468e437a28354539320]
No.     Time           Source                Destination           Protocol Length Info
    297 4.456132       128.119.245.12        10.122.205.2          TCP      66     80 → 61103 [SYN, ACK] Seq=0 Ack=1
Win=29200 Len=0 MSS=1382 SACK_PERM WS=128
Frame 297: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.394140000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.394140000 seconds
    [Time delta from previous captured frame: 0.014801000 seconds]
    [Time delta from previous displayed frame: 0.014801000 seconds]
    [Time since reference or first frame: 4.456132000 seconds]
    Frame Number: 297
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x0ac4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61103, Seq: 0, Ack: 1, Len: 0
    Source Port: 80
    Destination Port: 61103
    [Stream index: 13]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2307334100
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 819894366
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 80]
                [Connection establish acknowledge (SYN+ACK): server port 80]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 29200
    [Calculated window size: 29200]
    Checksum: 0x4ea6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 7 (multiply by 128)
```

```
            Kind: Window Scale (3)
            Length: 3
            Shift count: 7
            [Multiplier: 128]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.270072000 seconds]
        [Time since previous frame in this TCP stream: 0.270072000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 257]
        [The RTT to ACK the segment was: 0.270072000 seconds]
        [iRTT: 0.270208000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    298 4.456268       10.122.205.2          128.119.245.12        TCP      54     61103 → 80 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 298: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.394276000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.394276000 seconds
    [Time delta from previous captured frame: 0.000136000 seconds]
    [Time delta from previous displayed frame: 0.000136000 seconds]
    [Time since reference or first frame: 4.456268000 seconds]
    Frame Number: 298
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x956b (38251)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61103, Dst Port: 80, Seq: 1, Ack: 1, Len: 0
    Source Port: 61103
    Destination Port: 80
    [Stream index: 13]
    [Conversation completeness: Incomplete, ESTABLISHED (7)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 819894366
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2307334101
    0101 .... = Header Length: 20 bytes (5)
```

```
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d1b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.270208000 seconds]
        [Time since previous frame in this TCP stream: 0.000136000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 297]
        [The RTT to ACK the segment was: 0.000136000 seconds]
        [iRTT: 0.270208000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    299 4.476544       128.119.245.12        10.122.205.2          TCP      60     80 → 61099 [ACK] Seq=1 Ack=509
Win=30336 Len=0
Frame 299: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.414552000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.414552000 seconds
    [Time delta from previous captured frame: 0.020276000 seconds]
    [Time delta from previous displayed frame: 0.020276000 seconds]
    [Time since reference or first frame: 4.476544000 seconds]
    Frame Number: 299
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xe034 (57396)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x2a9b [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 1, Ack: 509, Len: 0
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1283093603
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 509    (relative ack number)
    Acknowledgment number (raw): 2697481363
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0xc4b1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.541770000 seconds]
        [Time since previous frame in this TCP stream: 0.271036000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 260]
        [The RTT to ACK the segment was: 0.271036000 seconds]
        [iRTT: 0.270431000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    300 4.477186       128.119.245.12        10.122.205.2          TCP      1436   80 → 61099 [ACK] Seq=1 Ack=509
Win=30336 Len=1382 [TCP segment of a reassembled PDU]
Frame 300: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.415194000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.415194000 seconds
    [Time delta from previous captured frame: 0.000642000 seconds]
    [Time delta from previous displayed frame: 0.000642000 seconds]
    [Time since reference or first frame: 4.477186000 seconds]
    Frame Number: 300
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xe035 (57397)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x2534 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 1, Ack: 509, Len: 1382
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1283093603
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 509    (relative ack number)
    Acknowledgment number (raw): 2697481363
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0xcd8c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.542412000 seconds]
        [Time since previous frame in this TCP stream: 0.000642000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 303]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    301 4.477186       128.119.245.12        10.122.205.2          TCP      1436   80 → 61099 [ACK] Seq=1383 Ack=509
Win=30336 Len=1382 [TCP segment of a reassembled PDU]
Frame 301: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.415194000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.415194000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.477186000 seconds]
    Frame Number: 301
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xe036 (57398)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x2533 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 1383, Ack: 509, Len: 1382
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1283094985
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 509    (relative ack number)
    Acknowledgment number (raw): 2697481363
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0x98ed [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.542412000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 303]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    302 4.477186       128.119.245.12        10.122.205.2          TCP      1436   80 → 61099 [ACK] Seq=2765 Ack=509
Win=30336 Len=1382 [TCP segment of a reassembled PDU]
```

```
Frame 302: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.415194000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.415194000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.477186000 seconds]
    Frame Number: 302
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xe037 (57399)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x2532 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 2765, Ack: 509, Len: 1382
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 1283096367
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 509    (relative ack number)
    Acknowledgment number (raw): 2697481363
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
```

```
    Checksum: 0xf0d3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.542412000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 303]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    303 4.477186       128.119.245.12        10.122.205.2          HTTP     769    HTTP/1.1 200 OK  (text/html)
Frame 303: 769 bytes on wire (6152 bits), 769 bytes captured (6152 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.415194000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.415194000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.477186000 seconds]
    Frame Number: 303
    Frame Length: 769 bytes (6152 bits)
    Capture Length: 769 bytes (6152 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 755
    Identification: 0xe038 (57400)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x27cc [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 4147, Ack: 509, Len: 715
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 715]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 1283097749
    [Next Sequence Number: 4862    (relative sequence number)]
    Acknowledgment Number: 509    (relative ack number)
    Acknowledgment number (raw): 2697481363
    0101 .... = Header Length: 20 bytes (5)
```

```
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 237
    [Calculated window size: 30336]
    [Window size scaling factor: 128]
    Checksum: 0x2199 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.542412000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 4861]
        [Bytes sent since last PSH flag: 4861]
    TCP payload (715 bytes)
    TCP segment data (715 bytes)
[4 Reassembled TCP Segments (4861 bytes): #300(1382), #301(1382), #302(1382), #303(715)]
    [Frame: 300, payload: 0-1381 (1382 bytes)]
    [Frame: 301, payload: 1382-2763 (1382 bytes)]
    [Frame: 302, payload: 2764-4145 (1382 bytes)]
    [Frame: 303, payload: 4146-4860 (715 bytes)]
    [Segment count: 4]
    [Reassembled TCP length: 4861]
    [Reassembled TCP Data: 485454502f312e3120323030204f4b0d0a446174653a204672692c203033204d61722032…]
Hypertext Transfer Protocol
    HTTP/1.1 200 OK\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
            [HTTP/1.1 200 OK\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Response Version: HTTP/1.1
        Status Code: 200
        [Status Code Description: OK]
        Response Phrase: OK
    Date: Fri, 03 Mar 2023 05:33:52 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
    Last-Modified: Thu, 02 Mar 2023 06:59:01 GMT\r\n
    ETag: "1194-5f5e55d1473fc"\r\n
    Accept-Ranges: bytes\r\n
    Content-Length: 4500\r\n
        [Content length: 4500]
    Keep-Alive: timeout=5, max=100\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=UTF-8\r\n
    \r\n
    [HTTP response 1/2]
    [Time since request: 0.271678000 seconds]
    [Request in frame: 260]
    [Next request in frame: 367]
    [Next response in frame: 438]
    [Request URI: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html]
    File Data: 4500 bytes
Line-based text data: text/html (98 lines)
    <html><head> \n
    <title>Historical Documents:THE BILL OF RIGHTS</title></head>\n
    \n
    \n
    <body bgcolor="#ffffff" link="#330000" vlink="#666633">\n
    <p><br>\n
    </p>\n
    <p></p><center><b>THE BILL OF RIGHTS</b><br>\n
      <em>Amendments 1-10 of the Constitution</em>\n
    </center>\n
    \n
    <p>The Conventions of a number of the States having, at the time of adopting\n
    the Constitution, expressed a desire, in order to prevent misconstruction\n
```

or abuse of its powers, that further declaratory and restrictive clauses\n
should be added, and as extending the ground of public confidence in the\n
Government will best insure the beneficent ends of its institution;   Resolved, by the Senate and House of Representatives of the United\n
States of America, in Congress assembled, two-thirds of both Houses concurring,\n
that the following articles be proposed to the Legislatures of the several\n
States, as amendments to the Constitution of the United States; all or any\n
of which articles, when ratified by three-fourths of the said Legislatures,\n
to be valid to all intents and purposes as part of the said Constitution,\n
namely: <a name="1"><h3>Amendment I</h3></a>\n
\n
Congress shall make no law respecting an establishment of\n
religion, or prohibiting the free exercise thereof; or\n
abridging the freedom of speech, or of the press; or the\n
right of the people peaceably to assemble, and to petition\n
the government for a redress of grievances.\n
\n
<a name="2"><h3>Amendment II</h3></a>\n
\n
A well regulated militia, being necessary to the security\n
of a free state, the right of the people to keep and bear\n
arms, shall not be infringed.\n
\n
<a name="3"><h3>Amendment III</h3></a>\n
\n
No soldier shall, in time of peace be quartered in any house,\n
without the consent of the owner, nor in time of war, but\n
in a manner to be prescribed by law.\n
\n
<a name="4"><h3>Amendment IV</h3></a>\n
\n
The right of the people to be secure in their persons, houses,\n
papers, and effects, against unreasonable searches and seizures,\n
shall not be violated, and no warrants shall issue, but upon\n
probable cause, supported by oath or affirmation, and\n
particularly describing the place to be searched, and the\n
persons or things to be seized.\n
\n
<a name="5"><h3>Amendment V</h3></a>\n
\n
No person shall be held to answer for a capital, or otherwise\n
infamous crime, unless on a presentment or indictment of a grand\n
jury, except in cases arising in the land or naval forces,\n
or in the militia, when in actual service in time of war\n
or public danger; nor shall any person be subject for the\n
same offense to be twice put in jeopardy of life or limb;\n
nor shall be compelled in any criminal case to be a witness\n
against himself, nor be deprived of life, liberty, or property,\n
without due process of law; nor shall private property be\n
taken for public use, without just compensation.\n
\n
<a name="6"><h3>Amendment VI</h3></a>\n
\n
In all criminal prosecutions, the accused shall enjoy the right\n
to a speedy and public trial, by an impartial jury of the state\n
and district wherein the crime shall have been committed, which\n
district shall have been previously ascertained by law, and\n
to be informed of the nature and cause of the accusation;\n
to be confronted with the witnesses against him; to have\n
compulsory process for obtaining witnesses in his favor,\n
and to have the assistance of counsel for his defense.\n
\n
<a name="7"><h3>Amendment VII</h3></a>\n
\n
In suits at common law, where the value in controversy shall\n
exceed twenty dollars, the right of trial by jury shall be\n
preserved, and no fact tried by a jury, shall be otherwise\n
reexamined in any court of the United States, than according\n
to the rules of the common law.\n
\n
<a name="8"><h3>Amendment VIII</h3></a>\n
\n
Excessive bail shall not be required, nor excessive fines\n
imposed, nor cruel and unusual punishments inflicted.\n
\n
<a name="9"><h3>Amendment IX</h3></a>\n
\n

```
    <p></p><p>The enumeration in the Constitution, of certain rights, shall\n
    not be construed to deny or disparage others retained by the people.\n
    \n
    </p><p><a name="10"><strong><h3>Amendment X</h3></strong></a>\n
    \n
    <p></p>\n
    <p>The powers not delegated to the United States by the Constitution, nor prohibited \n
      by it to the states, are reserved to the states respectively, or to the people.</p>\n
    </body></html>
No.     Time           Source                Destination           Protocol Length Info
    304 4.477543       10.122.205.2          128.119.245.12        TCP      54     61099 → 80 [ACK] Seq=509 Ack=4862
Win=131072 Len=0
Frame 304: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.415551000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.415551000 seconds
    [Time delta from previous captured frame: 0.000357000 seconds]
    [Time delta from previous displayed frame: 0.000357000 seconds]
    [Time since reference or first frame: 4.477543000 seconds]
    Frame Number: 304
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x956c (38252)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 509, Ack: 4862, Len: 0
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 509    (relative sequence number)
    Sequence Number (raw): 2697481363
    [Next Sequence Number: 509    (relative sequence number)]
    Acknowledgment Number: 4862    (relative ack number)
    Acknowledgment number (raw): 1283098464
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4d1b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.542769000 seconds]
        [Time since previous frame in this TCP stream: 0.000357000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 303]
        [The RTT to ACK the segment was: 0.000357000 seconds]
        [iRTT: 0.270431000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    305 4.482465       140.82.113.22         10.122.205.2          TCP      60     443 → 61097 [ACK] Seq=3529 Ack=4568
Win=74752 Len=0
Frame 305: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.420473000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.420473000 seconds
    [Time delta from previous captured frame: 0.004922000 seconds]
    [Time delta from previous displayed frame: 0.004922000 seconds]
    [Time since reference or first frame: 4.482465000 seconds]
    Frame Number: 305
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9fe5 (40933)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xdd05 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
```

```
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 3529, Ack: 4568, Len: 0
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 3529    (relative sequence number)
    Sequence Number (raw): 1459738206
    [Next Sequence Number: 3529    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0x93b4 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.738176000 seconds]
        [Time since previous frame in this TCP stream: 0.244914000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 273]
        [The RTT to ACK the segment was: 0.244914000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    306 4.482465       140.82.113.22         10.122.205.2          TLSv1.3  133    Application Data
Frame 306: 133 bytes on wire (1064 bits), 133 bytes captured (1064 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.420473000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.420473000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.482465000 seconds]
    Frame Number: 306
    Frame Length: 133 bytes (1064 bits)
    Capture Length: 133 bytes (1064 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 119
    Identification: 0x9fe6 (40934)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xdcb5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 3529, Ack: 4568, Len: 79
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 79]
    Sequence Number: 3529    (relative sequence number)
    Sequence Number (raw): 1459738206
    [Next Sequence Number: 3608    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0x8bb1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.738176000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 79]
        [Bytes sent since last PSH flag: 79]
    TCP payload (79 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 74
        Encrypted Application Data: afd36012ab8c8f523343c519129a0dc40a48bcb4ba5a8e6315a05d2258a06aa60f18f0b9…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    307 4.482861       140.82.113.22         10.122.205.2          TLSv1.3  133    Application Data
Frame 307: 133 bytes on wire (1064 bits), 133 bytes captured (1064 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.420869000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.420869000 seconds
    [Time delta from previous captured frame: 0.000396000 seconds]
    [Time delta from previous displayed frame: 0.000396000 seconds]
    [Time since reference or first frame: 4.482861000 seconds]
    Frame Number: 307
    Frame Length: 133 bytes (1064 bits)
    Capture Length: 133 bytes (1064 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 119
    Identification: 0x9fe7 (40935)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xdcb4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 3608, Ack: 4568, Len: 79
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 79]
    Sequence Number: 3608    (relative sequence number)
    Sequence Number (raw): 1459738285
    [Next Sequence Number: 3687    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0xff30 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.738572000 seconds]
        [Time since previous frame in this TCP stream: 0.000396000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 79]
    TCP payload (79 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 74
        Encrypted Application Data: c776691f4f4a6e8aa5664f94ccd81d7b74c8566d38aca59b5b5d1c086bccdb862c0a3de7…
```

```
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    308 4.482933       10.122.205.2          140.82.113.22         TCP      54     61097 → 443 [ACK] Seq=4568 Ack=3687
Win=131072 Len=0
Frame 308: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.420941000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.420941000 seconds
    [Time delta from previous captured frame: 0.000072000 seconds]
    [Time delta from previous displayed frame: 0.000072000 seconds]
    [Time since reference or first frame: 4.482933000 seconds]
    Frame Number: 308
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xdd73 (56691)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 4568, Ack: 3687, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4568    (relative sequence number)
    Sequence Number (raw): 3425000711
    [Next Sequence Number: 4568    (relative sequence number)]
    Acknowledgment Number: 3687    (relative ack number)
    Acknowledgment number (raw): 1459738364
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xd4ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.738644000 seconds]
        [Time since previous frame in this TCP stream: 0.000072000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 307]
        [The RTT to ACK the segment was: 0.000072000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    309 4.529219       20.189.173.15         10.122.205.2          TLSv1.2  105    Change Cipher Spec, Encrypted
Handshake Message
Frame 309: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.467227000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.467227000 seconds
    [Time delta from previous captured frame: 0.046286000 seconds]
    [Time delta from previous displayed frame: 0.046286000 seconds]
    [Time since reference or first frame: 4.529219000 seconds]
    Frame Number: 309
    Frame Length: 105 bytes (840 bits)
    Capture Length: 105 bytes (840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 91
    Identification: 0x9a8a (39562)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3c9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6293, Ack: 676, Len: 51
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 51]
    Sequence Number: 6293    (relative sequence number)
    Sequence Number (raw): 3594559021
```

```
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 676    (relative ack number)
    Acknowledgment number (raw): 2138692857
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2048
    [Calculated window size: 524288]
    [Window size scaling factor: 256]
    Checksum: 0xf431 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.558757000 seconds]
        [Time since previous frame in this TCP stream: 0.184061000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 292]
        [The RTT to ACK the segment was: 0.184061000 seconds]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 51]
        [Bytes sent since last PSH flag: 4197]
    TCP payload (51 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    310 4.530087       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=676 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 310: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468095000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468095000 seconds
    [Time delta from previous captured frame: 0.000868000 seconds]
    [Time delta from previous displayed frame: 0.000868000 seconds]
    [Time since reference or first frame: 4.530087000 seconds]
    Frame Number: 310
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9464 (37988)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 676, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 676    (relative sequence number)
    Sequence Number (raw): 2138692857
    [Next Sequence Number: 2058    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559625000 seconds]
        [Time since previous frame in this TCP stream: 0.000868000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 309]
        [The RTT to ACK the segment was: 0.000868000 seconds]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 312]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    311 4.530087       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=2058 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 311: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468095000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468095000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530087000 seconds]
    Frame Number: 311
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9465 (37989)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 2058, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2058    (relative sequence number)
    Sequence Number (raw): 2138694239
    [Next Sequence Number: 3440    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559625000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
```

```
    [Reassembled PDU in frame: 312]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    312 4.530087       10.122.205.2          20.189.173.15         TLSv1.2  1165   Application Data
Frame 312: 1165 bytes on wire (9320 bits), 1165 bytes captured (9320 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468095000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468095000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530087000 seconds]
    Frame Number: 312
    Frame Length: 1165 bytes (9320 bits)
    Capture Length: 1165 bytes (9320 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1151
    Identification: 0x9466 (37990)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 3440, Ack: 6344, Len: 1111
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1111]
    Sequence Number: 3440    (relative sequence number)
    Sequence Number (raw): 2138695621
    [Next Sequence Number: 4551    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9dba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559625000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 3875]
        [Bytes sent since last PSH flag: 3875]
    TCP payload (1111 bytes)
    TCP segment data (1111 bytes)
[3 Reassembled TCP Segments (3875 bytes): #310(1382), #311(1382), #312(1111)]
    [Frame: 310, payload: 0-1381 (1382 bytes)]
    [Frame: 311, payload: 1382-2763 (1382 bytes)]
    [Frame: 312, payload: 2764-3874 (1111 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3875]
    [Reassembled TCP Data: 1703030f1e0000000000000001c289576f147209653f5461de07a26be4be35c2424e69dc…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3870
        Encrypted Application Data: 0000000000000001c289576f147209653f5461de07a26be4be35c2424e69dca2b7f729e5…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    313 4.530239       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=4551 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 313: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468247000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468247000 seconds
    [Time delta from previous captured frame: 0.000152000 seconds]
    [Time delta from previous displayed frame: 0.000152000 seconds]
    [Time since reference or first frame: 4.530239000 seconds]
    Frame Number: 313
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9467 (37991)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 4551, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4551    (relative sequence number)
    Sequence Number (raw): 2138696732
    [Next Sequence Number: 5933    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559777000 seconds]
        [Time since previous frame in this TCP stream: 0.000152000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 5257]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 317]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    314 4.530239       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=5933 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 314: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468247000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468247000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530239000 seconds]
    Frame Number: 314
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9468 (37992)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 5933, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 5933    (relative sequence number)
    Sequence Number (raw): 2138698114
    [Next Sequence Number: 7315    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559777000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 6639]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 317]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    315 4.530239       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=7315 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 315: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468247000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821634.468247000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530239000 seconds]
    Frame Number: 315
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9469 (37993)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 7315, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 7315    (relative sequence number)
    Sequence Number (raw): 2138699496
    [Next Sequence Number: 8697    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559777000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 8021]
```

```
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 317]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    316 4.530239       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=8697 Ack=6344
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 316: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468247000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468247000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530239000 seconds]
    Frame Number: 316
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x946a (37994)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 8697, Ack: 6344, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 8697    (relative sequence number)
    Sequence Number (raw): 2138700878
    [Next Sequence Number: 10079    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559777000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 9403]
        [Bytes sent since last PSH flag: 5528]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 317]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    317 4.530239       10.122.205.2          20.189.173.15         TLSv1.2  177    Application Data
Frame 317: 177 bytes on wire (1416 bits), 177 bytes captured (1416 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.468247000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.468247000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.530239000 seconds]
    Frame Number: 317
    Frame Length: 177 bytes (1416 bits)
    Capture Length: 177 bytes (1416 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 163
    Identification: 0x946b (37995)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 10079, Ack: 6344, Len: 123
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 123]
    Sequence Number: 10079    (relative sequence number)
    Sequence Number (raw): 2138702260
    [Next Sequence Number: 10202    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 3594559072
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x99de [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.559777000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 9526]
        [Bytes sent since last PSH flag: 5651]
    TCP payload (123 bytes)
    TCP segment data (123 bytes)
[5 Reassembled TCP Segments (5651 bytes): #313(1382), #314(1382), #315(1382), #316(1382), #317(123)]
    [Frame: 313, payload: 0-1381 (1382 bytes)]
    [Frame: 314, payload: 1382-2763 (1382 bytes)]
    [Frame: 315, payload: 2764-4145 (1382 bytes)]
    [Frame: 316, payload: 4146-5527 (1382 bytes)]
    [Frame: 317, payload: 5528-5650 (123 bytes)]
    [Segment count: 5]
    [Reassembled TCP length: 5651]
    [Reassembled TCP Data: 170303160e0000000000000028cb0bb11d0f71edaac3a6177910e2a18461969516d34b6…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 5646
        Encrypted Application Data: 0000000000000028cb0bb11d0f71edaac3a6177910e2a18461969516d34b6beaafd8ab1…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    318 4.579873       10.122.205.2          10.3.9.45             DNS      73     Standard query 0xae5a A sb.adtidy.org
Frame 318: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.517881000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.517881000 seconds
    [Time delta from previous captured frame: 0.049634000 seconds]
    [Time delta from previous displayed frame: 0.049634000 seconds]
    [Time since reference or first frame: 4.579873000 seconds]
    Frame Number: 318
    Frame Length: 73 bytes (584 bits)
    Capture Length: 73 bytes (584 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 59
    Identification: 0x8963 (35171)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 49937, Dst Port: 53
    Source Port: 49937
    Destination Port: 53
    Length: 39
    Checksum: 0xeae4 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 15]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (31 bytes)
Domain Name System (query)
    Transaction ID: 0xae5a
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        sb.adtidy.org: type A, class IN
            Name: sb.adtidy.org
            [Name Length: 13]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 321]
No.     Time           Source                Destination           Protocol Length Info
    319 4.580550       10.122.205.2          10.3.9.45             DNS      73     Standard query 0x925d HTTPS
sb.adtidy.org
Frame 319: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.518558000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.518558000 seconds
    [Time delta from previous captured frame: 0.000677000 seconds]
    [Time delta from previous displayed frame: 0.000677000 seconds]
    [Time since reference or first frame: 4.580550000 seconds]
    Frame Number: 319
    Frame Length: 73 bytes (584 bits)
```

```
    Capture Length: 73 bytes (584 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 59
    Identification: 0x8964 (35172)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 59944, Dst Port: 53
    Source Port: 59944
    Destination Port: 53
    Length: 39
    Checksum: 0xeae4 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 16]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (31 bytes)
Domain Name System (query)
    Transaction ID: 0x925d
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        sb.adtidy.org: type HTTPS, class IN
            Name: sb.adtidy.org
            [Name Length: 13]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 320]
No.     Time           Source                Destination           Protocol Length Info
    320 4.584559       10.3.9.45             10.122.205.2          DNS      143    Standard query response 0x925d HTTPS
sb.adtidy.org HTTPS
Frame 320: 143 bytes on wire (1144 bits), 143 bytes captured (1144 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.522567000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.522567000 seconds
    [Time delta from previous captured frame: 0.004009000 seconds]
    [Time delta from previous displayed frame: 0.004009000 seconds]
    [Time since reference or first frame: 4.584559000 seconds]
    Frame Number: 320
    Frame Length: 143 bytes (1144 bits)
    Capture Length: 143 bytes (1144 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 129
    Identification: 0x6702 (26370)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2ebe [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 59944
    Source Port: 53
    Destination Port: 59944
    Length: 109
    Checksum: 0x6388 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 16]
    [Timestamps]
        [Time since first frame: 0.004009000 seconds]
        [Time since previous frame: 0.004009000 seconds]
    UDP payload (101 bytes)
Domain Name System (response)
    Transaction ID: 0x925d
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 1
    Authority RRs: 0
    Additional RRs: 0
    Queries
        sb.adtidy.org: type HTTPS, class IN
            Name: sb.adtidy.org
            [Name Length: 13]
            [Label Count: 3]
```

```
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        sb.adtidy.org: type HTTPS, class IN
            Name: sb.adtidy.org
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
            Time to live: 49 (49 seconds)
            Data length: 58
            SvcPriority: 1
            TargetName: <Root>
            SvcParam: alpn=h2
                SvcParamKey: alpn (1)
                SvcParamValue length: 3
                ALPN length: 2
                ALPN: h2
            SvcParam: ipv4hint=104.18.24.57,104.18.25.57
                SvcParamKey: ipv4hint (4)
                SvcParamValue length: 8
                IP: 104.18.24.57
                IP: 104.18.25.57
            SvcParam: ipv6hint=2606:4700::6812:1839,2606:4700::6812:1939
                SvcParamKey: ipv6hint (6)
                SvcParamValue length: 32
                IP: 2606:4700::6812:1839
                IP: 2606:4700::6812:1939
    [Request In: 319]
    [Time: 0.004009000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    321 4.584801       10.3.9.45             10.122.205.2          DNS      105    Standard query response 0xae5a A
sb.adtidy.org A 104.18.25.57 A 104.18.24.57
Frame 321: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.522809000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.522809000 seconds
    [Time delta from previous captured frame: 0.000242000 seconds]
    [Time delta from previous displayed frame: 0.000242000 seconds]
    [Time since reference or first frame: 4.584801000 seconds]
    Frame Number: 321
    Frame Length: 105 bytes (840 bits)
    Capture Length: 105 bytes (840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 91
    Identification: 0x6703 (26371)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
```

```
    Protocol: UDP (17)
    Header Checksum: 0x2ee3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 49937
    Source Port: 53
    Destination Port: 49937
    Length: 71
    Checksum: 0x1874 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 15]
    [Timestamps]
        [Time since first frame: 0.004928000 seconds]
        [Time since previous frame: 0.004928000 seconds]
    UDP payload (63 bytes)
Domain Name System (response)
    Transaction ID: 0xae5a
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 0
    Additional RRs: 0
    Queries
        sb.adtidy.org: type A, class IN
            Name: sb.adtidy.org
            [Name Length: 13]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        sb.adtidy.org: type A, class IN, addr 104.18.25.57
            Name: sb.adtidy.org
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 283 (4 minutes, 43 seconds)
            Data length: 4
            Address: 104.18.25.57
        sb.adtidy.org: type A, class IN, addr 104.18.24.57
            Name: sb.adtidy.org
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 283 (4 minutes, 43 seconds)
            Data length: 4
            Address: 104.18.24.57
    [Request In: 318]
    [Time: 0.004928000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    322 4.585942       10.122.205.2          104.18.25.57          TCP      66     61105 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 322: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.523950000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.523950000 seconds
    [Time delta from previous captured frame: 0.001141000 seconds]
    [Time delta from previous displayed frame: 0.001141000 seconds]
    [Time since reference or first frame: 4.585942000 seconds]
    Frame Number: 322
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xf834 (63540)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2040623869
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x58ee [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
```

```
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    323 4.606880       10.122.205.2          10.3.9.45             DNS      76     Standard query 0x1d1d A
www.bingapis.com
Frame 323: 76 bytes on wire (608 bits), 76 bytes captured (608 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.544888000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.544888000 seconds
    [Time delta from previous captured frame: 0.020938000 seconds]
    [Time delta from previous displayed frame: 0.020938000 seconds]
    [Time since reference or first frame: 4.606880000 seconds]
    Frame Number: 323
    Frame Length: 76 bytes (608 bits)
    Capture Length: 76 bytes (608 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 62
    Identification: 0x8965 (35173)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 63688, Dst Port: 53
    Source Port: 63688
    Destination Port: 53
    Length: 42
    Checksum: 0xeae7 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 17]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
```

```
    UDP payload (34 bytes)
Domain Name System (query)
    Transaction ID: 0x1d1d
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bingapis.com: type A, class IN
            Name: www.bingapis.com
            [Name Length: 16]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 325]
No.     Time           Source                Destination           Protocol Length Info
    324 4.607738       10.122.205.2          10.3.9.45             DNS      76     Standard query 0xee47 HTTPS
www.bingapis.com
Frame 324: 76 bytes on wire (608 bits), 76 bytes captured (608 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.545746000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.545746000 seconds
    [Time delta from previous captured frame: 0.000858000 seconds]
    [Time delta from previous displayed frame: 0.000858000 seconds]
    [Time since reference or first frame: 4.607738000 seconds]
    Frame Number: 324
    Frame Length: 76 bytes (608 bits)
    Capture Length: 76 bytes (608 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 62
    Identification: 0x8966 (35174)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 64618, Dst Port: 53
```

```
    Source Port: 64618
    Destination Port: 53
    Length: 42
    Checksum: 0xeae7 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 18]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (34 bytes)
Domain Name System (query)
    Transaction ID: 0xee47
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bingapis.com: type HTTPS, class IN
            Name: www.bingapis.com
            [Name Length: 16]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 326]
No.     Time           Source                Destination           Protocol Length Info
    325 4.610146       10.3.9.45             10.122.205.2          DNS      156    Standard query response 0x1d1d A
www.bingapis.com CNAME www-bingapis-com.e-0001.e-msedge.net CNAME e-0001.e-msedge.net A 13.107.5.80
Frame 325: 156 bytes on wire (1248 bits), 156 bytes captured (1248 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.548154000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.548154000 seconds
    [Time delta from previous captured frame: 0.002408000 seconds]
    [Time delta from previous displayed frame: 0.002408000 seconds]
    [Time since reference or first frame: 4.610146000 seconds]
    Frame Number: 325
    Frame Length: 156 bytes (1248 bits)
    Capture Length: 156 bytes (1248 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 142
    Identification: 0x6704 (26372)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2eaf [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 63688
    Source Port: 53
    Destination Port: 63688
    Length: 122
    Checksum: 0x027f [unverified]
    [Checksum Status: Unverified]
    [Stream index: 17]
    [Timestamps]
        [Time since first frame: 0.003266000 seconds]
        [Time since previous frame: 0.003266000 seconds]
    UDP payload (114 bytes)
Domain Name System (response)
    Transaction ID: 0x1d1d
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 0
    Additional RRs: 0
    Queries
        www.bingapis.com: type A, class IN
            Name: www.bingapis.com
            [Name Length: 16]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        www.bingapis.com: type CNAME, class IN, cname www-bingapis-com.e-0001.e-msedge.net
            Name: www.bingapis.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 2452 (40 minutes, 52 seconds)
            Data length: 38
            CNAME: www-bingapis-com.e-0001.e-msedge.net
        www-bingapis-com.e-0001.e-msedge.net: type CNAME, class IN, cname e-0001.e-msedge.net
            Name: www-bingapis-com.e-0001.e-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 20 (20 seconds)
            Data length: 2
            CNAME: e-0001.e-msedge.net
        e-0001.e-msedge.net: type A, class IN, addr 13.107.5.80
            Name: e-0001.e-msedge.net
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 20 (20 seconds)
            Data length: 4
            Address: 13.107.5.80
    [Request In: 323]
    [Time: 0.003266000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    326 4.610146       10.3.9.45             10.122.205.2          DNS      197    Standard query response 0xee47 HTTPS
www.bingapis.com CNAME www-bingapis-com.e-0001.e-msedge.net CNAME e-0001.e-msedge.net SOA ns1.e-msedge.net
Frame 326: 197 bytes on wire (1576 bits), 197 bytes captured (1576 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.548154000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.548154000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.610146000 seconds]
    Frame Number: 326
    Frame Length: 197 bytes (1576 bits)
    Capture Length: 197 bytes (1576 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 183
    Identification: 0xa203 (41475)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf386 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 64618
    Source Port: 53
    Destination Port: 64618
    Length: 163
    Checksum: 0x57e5 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 18]
    [Timestamps]
        [Time since first frame: 0.002408000 seconds]
        [Time since previous frame: 0.002408000 seconds]
    UDP payload (155 bytes)
Domain Name System (response)
    Transaction ID: 0xee47
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        www.bingapis.com: type HTTPS, class IN
            Name: www.bingapis.com
            [Name Length: 16]
            [Label Count: 3]
```

```
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        www.bingapis.com: type CNAME, class IN, cname www-bingapis-com.e-0001.e-msedge.net
            Name: www.bingapis.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 2452 (40 minutes, 52 seconds)
            Data length: 38
            CNAME: www-bingapis-com.e-0001.e-msedge.net
        www-bingapis-com.e-0001.e-msedge.net: type CNAME, class IN, cname e-0001.e-msedge.net
            Name: www-bingapis-com.e-0001.e-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 20 (20 seconds)
            Data length: 2
            CNAME: e-0001.e-msedge.net
    Authoritative nameservers
        e-msedge.net: type SOA, class IN, mname ns1.e-msedge.net
            Name: e-msedge.net
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 130 (2 minutes, 10 seconds)
            Data length: 45
            Primary name server: ns1.e-msedge.net
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 2016030801
            Refresh Interval: 1800 (30 minutes)
            Retry Interval: 900 (15 minutes)
            Expire limit: 2419200 (28 days)
            Minimum TTL: 240 (4 minutes)
    [Request In: 324]
    [Time: 0.002408000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    327 4.611570       10.122.205.2          13.107.5.80           TCP      66     61106 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 327: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.549578000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.549578000 seconds
    [Time delta from previous captured frame: 0.001424000 seconds]
    [Time delta from previous displayed frame: 0.001424000 seconds]
    [Time since reference or first frame: 4.611570000 seconds]
    Frame Number: 327
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x1b44 (6980)
    010. .... = Flags: 0x2, Don't fragment
```

```
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 76442311
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0xea5d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    328 4.643012       10.122.205.2          20.189.173.15         TCP      66     61107 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 328: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
```

```
    Arrival Time: Mar  3, 2023 13:33:54.581020000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.581020000 seconds
    [Time delta from previous captured frame: 0.031442000 seconds]
    [Time delta from previous displayed frame: 0.031442000 seconds]
    [Time since reference or first frame: 4.643012000 seconds]
    Frame Number: 328
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x946c (37996)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 827889331
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
```

```
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    329 4.692766       13.107.5.80           10.122.205.2          TCP      66     443 → 61106 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 329: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.630774000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.630774000 seconds
    [Time delta from previous captured frame: 0.049754000 seconds]
    [Time delta from previous displayed frame: 0.049754000 seconds]
    [Time since reference or first frame: 4.692766000 seconds]
    Frame Number: 329
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x18e4 (6372)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 106
    Protocol: TCP (6)
    Header Checksum: 0x0da9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
```

```
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 845527499
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 76442312
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x3922 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.081196000 seconds]
        [Time since previous frame in this TCP stream: 0.081196000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 327]
        [The RTT to ACK the segment was: 0.081196000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    330 4.692943       10.122.205.2          13.107.5.80           TCP      54     61106 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 330: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.630951000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.630951000 seconds
    [Time delta from previous captured frame: 0.000177000 seconds]
    [Time delta from previous displayed frame: 0.000177000 seconds]
    [Time since reference or first frame: 4.692943000 seconds]
```

```
    Frame Number: 330
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x1b45 (6981)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 76442312
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 845527500
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xea51 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.081373000 seconds]
        [Time since previous frame in this TCP stream: 0.000177000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 329]
        [The RTT to ACK the segment was: 0.000177000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    331 4.693644       10.122.205.2          13.107.5.80           TLSv1.2  646    Client Hello
```

```
Frame 331: 646 bytes on wire (5168 bits), 646 bytes captured (5168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.631652000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.631652000 seconds
    [Time delta from previous captured frame: 0.000701000 seconds]
    [Time delta from previous displayed frame: 0.000701000 seconds]
    [Time since reference or first frame: 4.693644000 seconds]
    Frame Number: 331
    Frame Length: 646 bytes (5168 bits)
    Capture Length: 646 bytes (5168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 632
    Identification: 0x1b46 (6982)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1, Ack: 1, Len: 592
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 592]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 76442312
    [Next Sequence Number: 593    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 845527500
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
```

```
    Checksum: 0xeca1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.082074000 seconds]
        [Time since previous frame in this TCP stream: 0.000701000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 592]
        [Bytes sent since last PSH flag: 592]
    TCP payload (592 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 587
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 583
            Version: TLS 1.2 (0x0303)
            Random: 7e39e33a9aae223cbdf05c15066b208d29ed88c02d1e219c32d3eb47e5e4a797
                GMT Unix Time: Feb  9, 2037 00:22:18.000000000 中国标准时间
                Random Bytes: 9aae223cbdf05c15066b208d29ed88c02d1e219c32d3eb47e5e4a797
            Session ID Length: 32
            Session ID: 5fa6d08b58d2c878370293a50416f5fda4012ec604b6d0e1b87c649c6aa0b6dc
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0x8a8a)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 476
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (14906)
                Length: 0
                Data: <MISSING>
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: signature_algorithms (len=18)
                Type: signature_algorithms (13)
                Length: 18
                Signature Hash Algorithms Length: 16
                Signature Hash Algorithms (8 algorithms)
                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                        Signature Hash Algorithm Hash: SHA256 (4)
                        Signature Hash Algorithm Signature: ECDSA (3)
                    Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                        Signature Hash Algorithm Hash: Unknown (8)
                        Signature Hash Algorithm Signature: SM2 (4)
                    Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                        Signature Hash Algorithm Hash: SHA256 (4)
                        Signature Hash Algorithm Signature: RSA (1)
                    Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                        Signature Hash Algorithm Hash: SHA384 (5)
                        Signature Hash Algorithm Signature: ECDSA (3)
                    Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                        Signature Hash Algorithm Hash: Unknown (8)
                        Signature Hash Algorithm Signature: Unknown (5)
                    Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                        Signature Hash Algorithm Hash: SHA384 (5)
```

```
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (14906)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
                Key Exchange: 9e786942074931306646f6d0ea5dc19dee7d2226497a9ad3431101233db59c19
    Extension: ec_point_formats (len=2)
        Type: ec_point_formats (11)
        Length: 2
        EC point formats Length: 1
        Elliptic curves point formats (1)
            EC point format: uncompressed (0)
    Extension: renegotiation_info (len=1)
        Type: renegotiation_info (65281)
        Length: 1
        Renegotiation Info extension
            Renegotiation info extension length: 0
    Extension: application_settings (len=5)
        Type: application_settings (17513)
        Length: 5
        ALPS Extension Length: 3
        Supported ALPN List
            Supported ALPN Length: 2
            Supported ALPN: h2
    Extension: status_request (len=5)
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: supported_versions (len=7)
        Type: supported_versions (43)
        Length: 7
        Supported Versions length: 6
        Supported Version: Reserved (GREASE) (0x1a1a)
        Supported Version: TLS 1.3 (0x0304)
        Supported Version: TLS 1.2 (0x0303)
    Extension: supported_groups (len=10)
        Type: supported_groups (10)
        Length: 10
        Supported Groups List Length: 8
        Supported Groups (4 groups)
            Supported Group: Reserved (GREASE) (0x3a3a)
            Supported Group: x25519 (0x001d)
            Supported Group: secp256r1 (0x0017)
            Supported Group: secp384r1 (0x0018)
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: psk_key_exchange_modes (len=2)
        Type: psk_key_exchange_modes (45)
        Length: 2
        PSK Key Exchange Modes Length: 1
        PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
    Extension: compress_certificate (len=3)
        Type: compress_certificate (27)
        Length: 3
        Algorithms Length: 2
        Algorithm: brotli (2)
    Extension: session_ticket (len=276)
        Type: session_ticket (35)
        Length: 276
        Data (276 bytes)
```

```
            Extension: server_name (len=21)
                Type: server_name (0)
                Length: 21
                Server Name Indication extension
                    Server Name list length: 19
                    Server Name Type: host_name (0)
                    Server Name length: 16
                    Server Name: www.bingapis.com
            Extension: application_layer_protocol_negotiation (len=14)
                Type: application_layer_protocol_negotiation (16)
                Length: 14
                ALPN Extension Length: 12
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
                    ALPN string length: 8
                    ALPN Next Protocol: http/1.1
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (23130)
                Length: 1
                Data: 00
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,23-13-51-11-65281-17513-5-43-10-18-
            [JA3: ecb105841d54b68d6cbd55ea093b9da6]
No.     Time           Source                Destination           Protocol Length Info
    332 4.712841       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=6344 Ack=3440
Win=525056 Len=0
Frame 332: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.650849000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.650849000 seconds
    [Time delta from previous captured frame: 0.019197000 seconds]
    [Time delta from previous displayed frame: 0.019197000 seconds]
    [Time since reference or first frame: 4.712841000 seconds]
    Frame Number: 332
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a8b (39563)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3fb [validation disabled]
    [Header checksum status: Unverified]
```

```
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6344, Ack: 3440, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6344    (relative sequence number)
    Sequence Number (raw): 3594559072
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 3440    (relative ack number)
    Acknowledgment number (raw): 2138695621
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x423e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.742379000 seconds]
        [Time since previous frame in this TCP stream: 0.182602000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 311]
        [The RTT to ACK the segment was: 0.182754000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    333 4.712841       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=6344 Ack=5933
Win=525056 Len=0
Frame 333: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.650849000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.650849000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.712841000 seconds]
    Frame Number: 333
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a8c (39564)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3fa [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6344, Ack: 5933, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6344    (relative sequence number)
    Sequence Number (raw): 3594559072
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 5933    (relative ack number)
    Acknowledgment number (raw): 2138698114
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x3881 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.742379000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 313]
        [The RTT to ACK the segment was: 0.182602000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    334 4.713354       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=6344 Ack=10079
Win=525056 Len=0
Frame 334: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.651362000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.651362000 seconds
    [Time delta from previous captured frame: 0.000513000 seconds]
    [Time delta from previous displayed frame: 0.000513000 seconds]
    [Time since reference or first frame: 4.713354000 seconds]
    Frame Number: 334
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a8d (39565)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6344, Ack: 10079, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6344    (relative sequence number)
    Sequence Number (raw): 3594559072
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 10079    (relative ack number)
    Acknowledgment number (raw): 2138702260
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x284f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.742892000 seconds]
        [Time since previous frame in this TCP stream: 0.000513000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 316]
        [The RTT to ACK the segment was: 0.183115000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    335 4.713354       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=6344 Ack=10202
Win=524800 Len=0
Frame 335: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.651362000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.651362000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.713354000 seconds]
    Frame Number: 335
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a8e (39566)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f8 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6344, Ack: 10202, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6344    (relative sequence number)
    Sequence Number (raw): 3594559072
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 10202    (relative ack number)
    Acknowledgment number (raw): 2138702383
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2050
    [Calculated window size: 524800]
    [Window size scaling factor: 256]
    Checksum: 0x27d5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
```

```
    [Timestamps]
        [Time since first frame in this TCP stream: 0.742892000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 317]
        [The RTT to ACK the segment was: 0.183115000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    336 4.713906       20.189.173.15         10.122.205.2          TLSv1.2  954    Application Data
Frame 336: 954 bytes on wire (7632 bits), 954 bytes captured (7632 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.651914000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.651914000 seconds
    [Time delta from previous captured frame: 0.000552000 seconds]
    [Time delta from previous displayed frame: 0.000552000 seconds]
    [Time since reference or first frame: 4.713906000 seconds]
    Frame Number: 336
    Frame Length: 954 bytes (7632 bits)
    Capture Length: 954 bytes (7632 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 940
    Identification: 0x9a8f (39567)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe073 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 6344, Ack: 10202, Len: 900
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 900]
    Sequence Number: 6344    (relative sequence number)
    Sequence Number (raw): 3594559072
    [Next Sequence Number: 7244    (relative sequence number)]
    Acknowledgment Number: 10202    (relative ack number)
    Acknowledgment number (raw): 2138702383
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2050
    [Calculated window size: 524800]
    [Window size scaling factor: 256]
    Checksum: 0xad9e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.743444000 seconds]
        [Time since previous frame in this TCP stream: 0.000552000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 900]
        [Bytes sent since last PSH flag: 900]
    TCP payload (900 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 895
        Encrypted Application Data: 0000000000000001260fd7b18bf7f081e16f673769f8f02966c01c7c0b2959921b91f26e…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    337 4.715683       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=10202 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 337: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653691000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653691000 seconds
    [Time delta from previous captured frame: 0.001777000 seconds]
    [Time delta from previous displayed frame: 0.001777000 seconds]
    [Time since reference or first frame: 4.715683000 seconds]
    Frame Number: 337
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x946d (37997)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
```

```
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 10202, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 10202    (relative sequence number)
    Sequence Number (raw): 2138702383
    [Next Sequence Number: 11584    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745221000 seconds]
        [Time since previous frame in this TCP stream: 0.001777000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 336]
        [The RTT to ACK the segment was: 0.001777000 seconds]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 339]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    338 4.715683       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=11584 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 338: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653691000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653691000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.715683000 seconds]
    Frame Number: 338
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x946e (37998)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 11584, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 11584    (relative sequence number)
    Sequence Number (raw): 2138703765
    [Next Sequence Number: 12966    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745221000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 339]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    339 4.715683       10.122.205.2          20.189.173.15         TLSv1.2  1165   Application Data
Frame 339: 1165 bytes on wire (9320 bits), 1165 bytes captured (9320 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653691000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653691000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
```

```
    [Time since reference or first frame: 4.715683000 seconds]
    Frame Number: 339
    Frame Length: 1165 bytes (9320 bits)
    Capture Length: 1165 bytes (9320 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1151
    Identification: 0x946f (37999)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 12966, Ack: 7244, Len: 1111
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1111]
    Sequence Number: 12966    (relative sequence number)
    Sequence Number (raw): 2138705147
    [Next Sequence Number: 14077    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9dba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745221000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 3875]
        [Bytes sent since last PSH flag: 3875]
    TCP payload (1111 bytes)
    TCP segment data (1111 bytes)
```

```
[3 Reassembled TCP Segments (3875 bytes): #337(1382), #338(1382), #339(1111)]
    [Frame: 337, payload: 0-1381 (1382 bytes)]
    [Frame: 338, payload: 1382-2763 (1382 bytes)]
    [Frame: 339, payload: 2764-3874 (1111 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 3875]
    [Reassembled TCP Data: 1703030f1e00000000000000343c12e1e5d354779485c44f706e56f8c84fc4f8b13ee7d…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 3870
        Encrypted Application Data: 00000000000000343c12e1e5d354779485c44f706e56f8c84fc4f8b13ee7d7c90e87fce…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    340 4.715813       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=14077 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 340: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653821000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653821000 seconds
    [Time delta from previous captured frame: 0.000130000 seconds]
    [Time delta from previous displayed frame: 0.000130000 seconds]
    [Time since reference or first frame: 4.715813000 seconds]
    Frame Number: 340
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9470 (38000)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 14077, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 14077    (relative sequence number)
    Sequence Number (raw): 2138706258
    [Next Sequence Number: 15459    (relative sequence number)]
```

```
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745351000 seconds]
        [Time since previous frame in this TCP stream: 0.000130000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 5257]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 344]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    341 4.715813       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=15459 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 341: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653821000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653821000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.715813000 seconds]
    Frame Number: 341
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9471 (38001)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 15459, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 15459    (relative sequence number)
    Sequence Number (raw): 2138707640
    [Next Sequence Number: 16841    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745351000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 6639]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 344]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    342 4.715813       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=16841 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 342: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653821000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653821000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.715813000 seconds]
    Frame Number: 342
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9472 (38002)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 16841, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 16841    (relative sequence number)
    Sequence Number (raw): 2138709022
    [Next Sequence Number: 18223    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745351000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 8021]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 344]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    343 4.715813       10.122.205.2          20.189.173.15         TCP      1436   61102 → 443 [ACK] Seq=18223 Ack=7244
Win=130304 Len=1382 [TCP segment of a reassembled PDU]
Frame 343: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653821000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653821000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.715813000 seconds]
    Frame Number: 343
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9473 (38003)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 18223, Ack: 7244, Len: 1382
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 18223    (relative sequence number)
    Sequence Number (raw): 2138710404
    [Next Sequence Number: 19605    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ec9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745351000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
```

```
        [Bytes in flight: 9403]
        [Bytes sent since last PSH flag: 5528]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 344]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    344 4.715813       10.122.205.2          20.189.173.15         TLSv1.2  407    Application Data
Frame 344: 407 bytes on wire (3256 bits), 407 bytes captured (3256 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.653821000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.653821000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.715813000 seconds]
    Frame Number: 344
    Frame Length: 407 bytes (3256 bits)
    Capture Length: 407 bytes (3256 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 393
    Identification: 0x9474 (38004)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 19605, Ack: 7244, Len: 353
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 353]
    Sequence Number: 19605    (relative sequence number)
    Sequence Number (raw): 2138711786
    [Next Sequence Number: 19958    (relative sequence number)]
    Acknowledgment Number: 7244    (relative ack number)
    Acknowledgment number (raw): 3594559972
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x9ac4 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.745351000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 9756]
        [Bytes sent since last PSH flag: 5881]
    TCP payload (353 bytes)
    TCP segment data (353 bytes)
[5 Reassembled TCP Segments (5881 bytes): #340(1382), #341(1382), #342(1382), #343(1382), #344(353)]
    [Frame: 340, payload: 0-1381 (1382 bytes)]
    [Frame: 341, payload: 1382-2763 (1382 bytes)]
    [Frame: 342, payload: 2764-4145 (1382 bytes)]
    [Frame: 343, payload: 4146-5527 (1382 bytes)]
    [Frame: 344, payload: 5528-5880 (353 bytes)]
    [Segment count: 5]
    [Reassembled TCP length: 5881]
    [Reassembled TCP Data: 17030316f4000000000000004d8a3540a5ca9df381807d1d86dcef2c05445d5f435f42c…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 5876
        Encrypted Application Data: 0000000000000004d8a3540a5ca9df381807d1d86dcef2c05445d5f435f42c583e8f8cee…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    345 4.749265       10.122.205.2          40.90.184.73          TCP      571    [TCP Retransmission] 61104 → 443
[PSH, ACK] Seq=1 Ack=1 Win=131072 Len=517
Frame 345: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.687273000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.687273000 seconds
    [Time delta from previous captured frame: 0.033452000 seconds]
    [Time delta from previous displayed frame: 0.033452000 seconds]
    [Time since reference or first frame: 4.749265000 seconds]
    Frame Number: 345
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 557
    Identification: 0xefb0 (61360)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xba3f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.413735000 seconds]
        [Time since previous frame in this TCP stream: 0.307934000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 0.307934000 seconds]
            [RTO based on delta from frame: 296]
    TCP payload (517 bytes)
    Retransmitted TCP segment data (517 bytes)
No.     Time           Source                Destination           Protocol Length Info
    346 4.766751       104.18.25.57          10.122.205.2          TCP      66     443 → 61105 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=8192
Frame 346: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.704759000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.704759000 seconds
    [Time delta from previous captured frame: 0.017486000 seconds]
    [Time delta from previous displayed frame: 0.017486000 seconds]
    [Time since reference or first frame: 4.766751000 seconds]
    Frame Number: 346
```

```
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xf4fc [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3322537456
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2040623870
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x9289 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
```

```
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 13 (multiply by 8192)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 13
            [Multiplier: 8192]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.180809000 seconds]
        [Time since previous frame in this TCP stream: 0.180809000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 322]
        [The RTT to ACK the segment was: 0.180809000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    347 4.766877       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 347: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.704885000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.704885000 seconds
    [Time delta from previous captured frame: 0.000126000 seconds]
    [Time delta from previous displayed frame: 0.000126000 seconds]
    [Time since reference or first frame: 4.766877000 seconds]
    Frame Number: 347
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf835 (63541)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2040623870
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3322537457
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.180935000 seconds]
        [Time since previous frame in this TCP stream: 0.000126000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 346]
        [The RTT to ACK the segment was: 0.000126000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    348 4.767224       10.122.205.2          104.18.25.57          TLSv1.2  571    Client Hello
Frame 348: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.705232000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.705232000 seconds
    [Time delta from previous captured frame: 0.000347000 seconds]
    [Time delta from previous displayed frame: 0.000347000 seconds]
    [Time since reference or first frame: 4.767224000 seconds]
    Frame Number: 348
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xf836 (63542)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2040623870
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3322537457
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x5ae7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.181282000 seconds]
        [Time since previous frame in this TCP stream: 0.000347000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 5a53912af8e4322cde48fcd0c3ee8937068f47290ab142d4c61c5bd16e5b4063
                GMT Unix Time: Jan  8, 2018 23:41:30.000000000 中国标准时间
                Random Bytes: f8e4322cde48fcd0c3ee8937068f47290ab142d4c61c5bd16e5b4063
            Session ID Length: 32
            Session ID: dc8db89ba756a0c662b250f4879ac32ff0c0935c09261c84822f6bbf1dfda7c9
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xdada)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
```

```
        Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
        Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
    Compression Methods Length: 1
    Compression Methods (1 method)
        Compression Method: null (0)
    Extensions Length: 401
    Extension: Reserved (GREASE) (len=0)
        Type: Reserved (GREASE) (31354)
        Length: 0
        Data: <MISSING>
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (14906)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
                Key Exchange: eb508bb66a3a58a3ad7c1687e9ce91d44492fc20e60e80cdb8b99c8d6a0b8760
    Extension: status_request (len=5)
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: session_ticket (len=0)
        Type: session_ticket (35)
        Length: 0
        Data (0 bytes)
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
        Signature Hash Algorithms (8 algorithms)
            Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: ec_point_formats (len=2)
        Type: ec_point_formats (11)
        Length: 2
        EC point formats Length: 1
        Elliptic curves point formats (1)
            EC point format: uncompressed (0)
    Extension: supported_groups (len=10)
        Type: supported_groups (10)
        Length: 10
        Supported Groups List Length: 8
        Supported Groups (4 groups)
            Supported Group: Reserved (GREASE) (0x3a3a)
```

```
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: extended_master_secret (len=0)
            Type: extended_master_secret (23)
            Length: 0
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
            Algorithms Length: 2
            Algorithm: brotli (2)
        Extension: server_name (len=18)
            Type: server_name (0)
            Length: 18
            Server Name Indication extension
                Server Name list length: 16
                Server Name Type: host_name (0)
                Server Name length: 13
                Server Name: sb.adtidy.org
        Extension: supported_versions (len=7)
            Type: supported_versions (43)
            Length: 7
            Supported Versions length: 6
            Supported Version: Reserved (GREASE) (0x2a2a)
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: application_settings (len=5)
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: renegotiation_info (len=1)
            Type: renegotiation_info (65281)
            Length: 1
            Renegotiation Info extension
                Renegotiation info extension length: 0
        Extension: Reserved (GREASE) (len=1)
            Type: Reserved (GREASE) (56026)
            Length: 1
            Data: 00
        Extension: padding (len=200)
            Type: padding (21)
            Length: 200
            Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000000000…
        [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,18-51-5-35-13-11-10-16-23-27-0-43-1
        [JA3: 835a4d7252c8f5c2299d808d98f78cba]
No.     Time           Source                Destination           Protocol Length Info
    349 4.774466       13.107.5.80           10.122.205.2          TCP      60     443 → 61106 [ACK] Seq=1 Ack=593
Win=4193536 Len=0
Frame 349: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.712474000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.712474000 seconds
```

```
    [Time delta from previous captured frame: 0.007242000 seconds]
    [Time delta from previous displayed frame: 0.007242000 seconds]
    [Time since reference or first frame: 4.774466000 seconds]
    Frame Number: 349
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x18e5 (6373)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0cb4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 1, Ack: 593, Len: 0
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 845527500
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x375a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.162896000 seconds]
        [Time since previous frame in this TCP stream: 0.080822000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 331]
        [The RTT to ACK the segment was: 0.080822000 seconds]
```

```
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    350 4.777975       13.107.5.80           10.122.205.2          TCP      1436   443 → 61106 [ACK] Seq=1 Ack=593
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 350: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.003509000 seconds]
    [Time delta from previous displayed frame: 0.003509000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 350
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x18e6 (6374)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x074d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 1, Ack: 593, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 845527500
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x6ce9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.003509000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 355]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    351 4.777975       13.107.5.80           10.122.205.2          TCP      1436   443 → 61106 [ACK] Seq=1383 Ack=593
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 351: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 351
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x18e7 (6375)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x074c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 1383, Ack: 593, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
```

```
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 845528882
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x1382 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 355]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    352 4.777975       13.107.5.80           10.122.205.2          TCP      1436   443 → 61106 [ACK] Seq=2765 Ack=593
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 352: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 352
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
```

```
    Identification: 0x18e8 (6376)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x074b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 2765, Ack: 593, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 845530264
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x8b07 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 355]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    353 4.777975       13.107.5.80           10.122.205.2          TCP      1436   443 → 61106 [ACK] Seq=4147 Ack=593
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 353: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 353
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
```

```
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x18e9 (6377)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x074a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 4147, Ack: 593, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 845531646
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x9a70 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 5528]
        [Bytes sent since last PSH flag: 5528]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 355]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    354 4.777975       13.107.5.80           10.122.205.2          TCP      180    [TCP Previous segment not captured]
443 → 61106 [PSH, ACK] Seq=6911 Ack=593 Win=4193536 Len=126 [TCP segment of a reassembled PDU]
Frame 354: 180 bytes on wire (1440 bits), 180 bytes captured (1440 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 354
    Frame Length: 180 bytes (1440 bits)
    Capture Length: 180 bytes (1440 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 166
    Identification: 0x18eb (6379)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0c30 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 6911, Ack: 593, Len: 126
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 126]
    Sequence Number: 6911    (relative sequence number)
    Sequence Number (raw): 845534410
    [Next Sequence Number: 7037    (relative sequence number)]
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0xceb6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
```

```
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (126 bytes)
    [Reassembled PDU in frame: 355]
    TCP segment data (126 bytes)
No.     Time           Source                Destination           Protocol Length Info
    355 4.777975       13.107.5.80           10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61106 [ACK]
Seq=5529 Ack=593 Win=4193536 Len=1382
Frame 355: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.715983000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.715983000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.777975000 seconds]
    Frame Number: 355
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x18ea (6378)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0749 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 5529, Ack: 593, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 845533028
    [Next Sequence Number: 6911    (relative sequence number)]
```

```
    Acknowledgment Number: 593    (relative ack number)
    Acknowledgment number (raw): 76442904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x9cb3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166405000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
    TCP segment data (1382 bytes)
[6 Reassembled TCP Segments (7036 bytes): #350(1382), #351(1382), #352(1382), #353(1382), #355(1382), #354(126)]
    [Frame: 350, payload: 0-1381 (1382 bytes)]
    [Frame: 351, payload: 1382-2763 (1382 bytes)]
    [Frame: 352, payload: 2764-4145 (1382 bytes)]
    [Frame: 353, payload: 4146-5527 (1382 bytes)]
    [Frame: 355, payload: 5528-6909 (1382 bytes)]
    [Frame: 354, payload: 6910-7035 (126 bytes)]
    [Segment count: 6]
    [Reassembled TCP length: 7036]
    [Reassembled TCP Data: 1603031b770200006203036401 86c12a730f831c0a8c05e06cae8211db549f81b402d06d…]
No.     Time           Source                Destination           Protocol Length Info
    356 4.778220       10.122.205.2          13.107.5.80           TCP      66     61106 → 443 [ACK] Seq=593 Ack=5529
Win=131072 Len=0 SLE=6911 SRE=7037
Frame 356: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.716228000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.716228000 seconds
    [Time delta from previous captured frame: 0.000245000 seconds]
    [Time delta from previous displayed frame: 0.000245000 seconds]
    [Time since reference or first frame: 4.778220000 seconds]
    Frame Number: 356
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x1b47 (6983)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 593, Ack: 5529, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 593    (relative sequence number)
    Sequence Number (raw): 76442904
    [Next Sequence Number: 593    (relative sequence number)]
    Acknowledgment Number: 5529    (relative ack number)
    Acknowledgment number (raw): 845533028
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xea5d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 6911-7037
            Kind: SACK (5)
            Length: 10
            left edge = 6911 (relative)
            right edge = 7037 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166650000 seconds]
        [Time since previous frame in this TCP stream: 0.000245000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 353]
        [The RTT to ACK the segment was: 0.000245000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    357 4.778309       10.122.205.2          13.107.5.80           TCP      54     61106 → 443 [ACK] Seq=593 Ack=7037
Win=131072 Len=0
Frame 357: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.716317000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.716317000 seconds
    [Time delta from previous captured frame: 0.000089000 seconds]
    [Time delta from previous displayed frame: 0.000089000 seconds]
    [Time since reference or first frame: 4.778309000 seconds]
    Frame Number: 357
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x1b48 (6984)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 593, Ack: 7037, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 593    (relative sequence number)
    Sequence Number (raw): 76442904
    [Next Sequence Number: 593    (relative sequence number)]
    Acknowledgment Number: 7037    (relative ack number)
    Acknowledgment number (raw): 845534536
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xea51 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.166739000 seconds]
```

```
        [Time since previous frame in this TCP stream: 0.000089000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 354]
        [The RTT to ACK the segment was: 0.000334000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    358 4.779746       10.122.205.2          104.91.68.56          TCP      66     [TCP Retransmission] [TCP Port
numbers reused] 61098 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM
Frame 358: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.717754000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.717754000 seconds
    [Time delta from previous captured frame: 0.001437000 seconds]
    [Time delta from previous displayed frame: 0.001437000 seconds]
    [Time since reference or first frame: 4.779746000 seconds]
    Frame Number: 358
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x097e (2430)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2237318704
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
```

```
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x8436 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.999966000 seconds]
        [Time since previous frame in this TCP stream: 0.999966000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): A new tcp session is started with the same ports as an earlier session in this
trace]
                [A new tcp session is started with the same ports as an earlier session in this trace]
                [Severity level: Note]
                [Group: Sequence]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 0.999966000 seconds]
            [RTO based on delta from frame: 221]
No.     Time           Source                Destination           Protocol Length Info
    359 4.781245       10.122.205.2          13.107.5.80           TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 359: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.719253000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.719253000 seconds
    [Time delta from previous captured frame: 0.001499000 seconds]
    [Time delta from previous displayed frame: 0.001499000 seconds]
    [Time since reference or first frame: 4.781245000 seconds]
    Frame Number: 359
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x1b49 (6985)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 593, Ack: 7037, Len: 158
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 158]
    Sequence Number: 593    (relative sequence number)
    Sequence Number (raw): 76442904
    [Next Sequence Number: 751    (relative sequence number)]
    Acknowledgment Number: 7037    (relative ack number)
    Acknowledgment number (raw): 845534536
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xeaef [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.169675000 seconds]
        [Time since previous frame in this TCP stream: 0.002936000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
```

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        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    360 4.781401       10.122.205.2          13.107.5.80           TLSv1.2  159    Application Data
Frame 360: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.719409000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.719409000 seconds
    [Time delta from previous captured frame: 0.000156000 seconds]
    [Time delta from previous displayed frame: 0.000156000 seconds]
    [Time since reference or first frame: 4.781401000 seconds]
    Frame Number: 360
    Frame Length: 159 bytes (1272 bits)
    Capture Length: 159 bytes (1272 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 145
    Identification: 0x1b4a (6986)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 751, Ack: 7037, Len: 105
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 105]
    Sequence Number: 751    (relative sequence number)
    Sequence Number (raw): 76443062
    [Next Sequence Number: 856    (relative sequence number)]
    Acknowledgment Number: 7037    (relative ack number)
    Acknowledgment number (raw): 845534536
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xeaba [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.169831000 seconds]
        [Time since previous frame in this TCP stream: 0.000156000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 263]
        [Bytes sent since last PSH flag: 105]
    TCP payload (105 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 100
        Encrypted Application Data: 0000000000000001e50c1b759a60a8e7cb377df6c47dcb94b41e8dde4c8711fb14621295…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    361 4.781517       10.122.205.2          13.107.5.80           TLSv1.2  496    Application Data
Frame 361: 496 bytes on wire (3968 bits), 496 bytes captured (3968 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.719525000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.719525000 seconds
    [Time delta from previous captured frame: 0.000116000 seconds]
    [Time delta from previous displayed frame: 0.000116000 seconds]
    [Time since reference or first frame: 4.781517000 seconds]
    Frame Number: 361
    Frame Length: 496 bytes (3968 bits)
    Capture Length: 496 bytes (3968 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 482
    Identification: 0x1b4b (6987)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
```

```
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 856, Ack: 7037, Len: 442
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 442]
    Sequence Number: 856    (relative sequence number)
    Sequence Number (raw): 76443167
    [Next Sequence Number: 1298    (relative sequence number)]
    Acknowledgment Number: 7037    (relative ack number)
    Acknowledgment number (raw): 845534536
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xec0b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.169947000 seconds]
        [Time since previous frame in this TCP stream: 0.000116000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 705]
        [Bytes sent since last PSH flag: 442]
    TCP payload (442 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 437
        Encrypted Application Data: 0000000000000002a0fd1a2044bc0a2a6ad7c98422fa03559dd9770da16348c546b871b1…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    362 4.791098       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=12305 Ack=2778
Win=510 Len=1382 [TCP segment of a reassembled PDU]
Frame 362: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.729106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.729106000 seconds
    [Time delta from previous captured frame: 0.009581000 seconds]
    [Time delta from previous displayed frame: 0.009581000 seconds]
    [Time since reference or first frame: 4.791098000 seconds]
    Frame Number: 362
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e86 (32390)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 12305, Ack: 2778, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 12305    (relative sequence number)
    Sequence Number (raw): 1536249140
    [Next Sequence Number: 13687    (relative sequence number)]
    Acknowledgment Number: 2778    (relative ack number)
    Acknowledgment number (raw): 813432111
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 510]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.098259000 seconds]
        [Time since previous frame in this TCP stream: 1.587813000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 364]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    363 4.791098       10.122.205.2          202.89.233.101        TCP      1436   61078 → 443 [ACK] Seq=13687 Ack=2778
Win=510 Len=1382 [TCP segment of a reassembled PDU]
Frame 363: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.729106000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.729106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.791098000 seconds]
    Frame Number: 363
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x7e87 (32391)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 13687, Ack: 2778, Len: 1382
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 13687    (relative sequence number)
    Sequence Number (raw): 1536250522
    [Next Sequence Number: 15069    (relative sequence number)]
    Acknowledgment Number: 2778    (relative ack number)
    Acknowledgment number (raw): 813432111
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 510]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x90bc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.098259000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2764]
```

```
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 364]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    364 4.791098       10.122.205.2          202.89.233.101        TLSv1.2  106    Application Data
Frame 364: 106 bytes on wire (848 bits), 106 bytes captured (848 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.729106000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.729106000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.791098000 seconds]
    Frame Number: 364
    Frame Length: 106 bytes (848 bits)
    Capture Length: 106 bytes (848 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 92
    Identification: 0x7e88 (32392)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 15069, Ack: 2778, Len: 52
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 52]
    Sequence Number: 15069    (relative sequence number)
    Sequence Number (raw): 1536251904
    [Next Sequence Number: 15121    (relative sequence number)]
    Acknowledgment Number: 2778    (relative ack number)
    Acknowledgment number (raw): 813432111
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
```

```
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 510]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b8a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.098259000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2816]
        [Bytes sent since last PSH flag: 2816]
    TCP payload (52 bytes)
    TCP segment data (52 bytes)
[3 Reassembled TCP Segments (2816 bytes): #362(1382), #363(1382), #364(52)]
    [Frame: 362, payload: 0-1381 (1382 bytes)]
    [Frame: 363, payload: 1382-2763 (1382 bytes)]
    [Frame: 364, payload: 2764-2815 (52 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 2816]
    [Reassembled TCP Data: 1703030afb000000000000000a9359e7fe28199b56f2fa0bef3b7ec04aff9455ef3f667c…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 2811
        Encrypted Application Data: 000000000000000a9359e7fe28199b56f2fa0bef3b7ec04aff9455ef3f667c9339bc16d2…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    365 4.799374       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=2778 Ack=13687
Win=16384 Len=0
Frame 365: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.737382000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.737382000 seconds
    [Time delta from previous captured frame: 0.008276000 seconds]
    [Time delta from previous displayed frame: 0.008276000 seconds]
    [Time since reference or first frame: 4.799374000 seconds]
    Frame Number: 365
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x992f (39215)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
```

```
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe964 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2778, Ack: 13687, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 2778    (relative sequence number)
    Sequence Number (raw): 813432111
    [Next Sequence Number: 2778    (relative sequence number)]
    Acknowledgment Number: 13687    (relative ack number)
    Acknowledgment number (raw): 1536250522
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x1870 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.106535000 seconds]
        [Time since previous frame in this TCP stream: 0.008276000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 362]
        [The RTT to ACK the segment was: 0.008276000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    366 4.799374       202.89.233.101        10.122.205.2          TCP      60     443 → 61078 [ACK] Seq=2778 Ack=15121
Win=16384 Len=0
Frame 366: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.737382000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.737382000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.799374000 seconds]
    Frame Number: 366
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9930 (39216)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe963 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2778, Ack: 15121, Len: 0
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 2778    (relative sequence number)
    Sequence Number (raw): 813432111
    [Next Sequence Number: 2778    (relative sequence number)]
    Acknowledgment Number: 15121    (relative ack number)
    Acknowledgment number (raw): 1536251956
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x12d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.106535000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 364]
        [The RTT to ACK the segment was: 0.008276000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    367 4.821064       10.122.205.2          128.119.245.12        HTTP     508    GET /favicon.ico HTTP/1.1
Frame 367: 508 bytes on wire (4064 bits), 508 bytes captured (4064 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.759072000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.759072000 seconds
    [Time delta from previous captured frame: 0.021690000 seconds]
    [Time delta from previous displayed frame: 0.021690000 seconds]
    [Time since reference or first frame: 4.821064000 seconds]
    Frame Number: 367
    Frame Length: 508 bytes (4064 bits)
    Capture Length: 508 bytes (4064 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 494
    Identification: 0x956d (38253)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 509, Ack: 4862, Len: 454
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 454]
    Sequence Number: 509    (relative sequence number)
    Sequence Number (raw): 2697481363
    [Next Sequence Number: 963    (relative sequence number)]
    Acknowledgment Number: 4862    (relative ack number)
    Acknowledgment number (raw): 1283098464
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x4ee1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.886290000 seconds]
        [Time since previous frame in this TCP stream: 0.343521000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 454]
        [Bytes sent since last PSH flag: 454]
    TCP payload (454 bytes)
Hypertext Transfer Protocol
    GET /favicon.ico HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): GET /favicon.ico HTTP/1.1\r\n]
            [GET /favicon.ico HTTP/1.1\r\n]
            [Severity level: Chat]
```

```
            [Group: Sequence]
        Request Method: GET
        Request URI: /favicon.ico
        Request Version: HTTP/1.1
    Host: gaia.cs.umass.edu\r\n
    Connection: keep-alive\r\n
    User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0
Safari/537.36 Edg/112.0.0.0\r\n
    Accept: image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
    Referer: http://gaia.cs.umass.edu/wireshark-labs/HTTP-wireshark-file3.html\r\n
    Accept-Encoding: gzip, deflate\r\n
    Accept-Language: zh-CN,zh;q=0.9,en-US;q=0.8,en;q=0.7,en-GB;q=0.6\r\n
    \r\n
    [Full request URI: http://gaia.cs.umass.edu/favicon.ico]
    [HTTP request 2/2]
    [Prev request in frame: 260]
    [Response in frame: 438]
No.     Time           Source                Destination           Protocol Length Info
    368 4.825852       20.189.173.15         10.122.205.2          TCP      66     443 → 61107 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 368: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.763860000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.763860000 seconds
    [Time delta from previous captured frame: 0.004788000 seconds]
    [Time delta from previous displayed frame: 0.004788000 seconds]
    [Time since reference or first frame: 4.825852000 seconds]
    Frame Number: 368
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xca82 (51842)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xb3f8 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
```

```
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1384943395
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 827889332
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x3bda [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.182840000 seconds]
        [Time since previous frame in this TCP stream: 0.182840000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 328]
        [The RTT to ACK the segment was: 0.182840000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    369 4.826029       10.122.205.2          20.189.173.15         TCP      54     61107 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 369: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.764037000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.764037000 seconds
    [Time delta from previous captured frame: 0.000177000 seconds]
    [Time delta from previous displayed frame: 0.000177000 seconds]
    [Time since reference or first frame: 4.826029000 seconds]
    Frame Number: 369
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
```

```
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9475 (38005)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 827889332
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1384943396
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.183017000 seconds]
        [Time since previous frame in this TCP stream: 0.000177000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 368]
        [The RTT to ACK the segment was: 0.000177000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    370 4.826634       10.122.205.2          20.189.173.15         TLSv1.2  571    Client Hello
Frame 370: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
```

```
    Arrival Time: Mar  3, 2023 13:33:54.764642000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.764642000 seconds
    [Time delta from previous captured frame: 0.000605000 seconds]
    [Time delta from previous displayed frame: 0.000605000 seconds]
    [Time since reference or first frame: 4.826634000 seconds]
    Frame Number: 370
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x9476 (38006)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 827889332
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1384943396
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9b68 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.183622000 seconds]
        [Time since previous frame in this TCP stream: 0.000605000 seconds]
    [SEQ/ACK analysis]
```

```
        [iRTT: 0.183017000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 3a6bef77c0c2a331370d504e5225fc4b1427272b65ce58dd20b5bf6ea588e67b
                GMT Unix Time: Jan 22, 2001 16:29:43.000000000 中国标准时间
                Random Bytes: c0c2a331370d504e5225fc4b1427272b65ce58dd20b5bf6ea588e67b
            Session ID Length: 32
            Session ID: e22a0000273e7706c140ba8dbe77c327595d0250a80960f5ba4706f90b833df0
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0xfafa)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 401
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (43690)
                Length: 0
                Data: <MISSING>
            Extension: compress_certificate (len=3)
                Type: compress_certificate (27)
                Length: 3
                Algorithms Length: 2
                Algorithm: brotli (2)
            Extension: status_request (len=5)
                Type: status_request (5)
                Length: 5
                Certificate Status Type: OCSP (1)
                Responder ID list Length: 0
                Request Extensions Length: 0
            Extension: psk_key_exchange_modes (len=2)
                Type: psk_key_exchange_modes (45)
                Length: 2
                PSK Key Exchange Modes Length: 1
                PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: ec_point_formats (len=2)
                Type: ec_point_formats (11)
                Length: 2
                EC point formats Length: 1
                Elliptic curves point formats (1)
                    EC point format: uncompressed (0)
            Extension: signature_algorithms (len=18)
                Type: signature_algorithms (13)
                Length: 18
                Signature Hash Algorithms Length: 16
                Signature Hash Algorithms (8 algorithms)
                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                        Signature Hash Algorithm Hash: SHA256 (4)
```

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                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (6)
            Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                Signature Hash Algorithm Hash: SHA512 (6)
                Signature Hash Algorithm Signature: RSA (1)
    Extension: application_settings (len=5)
        Type: application_settings (17513)
        Length: 5
        ALPS Extension Length: 3
        Supported ALPN List
            Supported ALPN Length: 2
            Supported ALPN: h2
    Extension: session_ticket (len=0)
        Type: session_ticket (35)
        Length: 0
        Data (0 bytes)
    Extension: server_name (len=32)
        Type: server_name (0)
        Length: 32
        Server Name Indication extension
            Server Name list length: 30
            Server Name Type: host_name (0)
            Server Name length: 27
            Server Name: browser.events.data.msn.com
    Extension: supported_groups (len=10)
        Type: supported_groups (10)
        Length: 10
        Supported Groups List Length: 8
        Supported Groups (4 groups)
            Supported Group: Reserved (GREASE) (0x8a8a)
            Supported Group: x25519 (0x001d)
            Supported Group: secp256r1 (0x0017)
            Supported Group: secp384r1 (0x0018)
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (35466)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
                Key Exchange: c62670791554549eaa6024a304020c3824c307191c06d1c9ac57ef6dfe478368
    Extension: supported_versions (len=7)
        Type: supported_versions (43)
        Length: 7
        Supported Versions length: 6
        Supported Version: Reserved (GREASE) (0x6a6a)
        Supported Version: TLS 1.3 (0x0304)
        Supported Version: TLS 1.2 (0x0303)
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: renegotiation_info (len=1)
        Type: renegotiation_info (65281)
        Length: 1
        Renegotiation Info extension
```

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                    Renegotiation info extension length: 0
            Extension: application_layer_protocol_negotiation (len=14)
                Type: application_layer_protocol_negotiation (16)
                Length: 14
                ALPN Extension Length: 12
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
                    ALPN string length: 8
                    ALPN Next Protocol: http/1.1
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (60138)
                Length: 1
                Data: 00
            Extension: padding (len=186)
                Type: padding (21)
                Length: 186
                Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000…
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,27-5-45-23-11-13-17513-35-0-10-51-4
            [JA3: 719f4a7a38c89399a708a1e5dd22170a]
No.     Time           Source                Destination           Protocol Length Info
    371 4.828277       140.82.113.22         10.122.205.2          TLSv1.3  844    Application Data
Frame 371: 844 bytes on wire (6752 bits), 844 bytes captured (6752 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.766285000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.766285000 seconds
    [Time delta from previous captured frame: 0.001643000 seconds]
    [Time delta from previous displayed frame: 0.001643000 seconds]
    [Time since reference or first frame: 4.828277000 seconds]
    Frame Number: 371
    Frame Length: 844 bytes (6752 bits)
    Capture Length: 844 bytes (6752 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 830
    Identification: 0x9fe8 (40936)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xd9ec [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 3687, Ack: 4568, Len: 790
    Source Port: 443
    Destination Port: 61097
```

```
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 790]
    Sequence Number: 3687    (relative sequence number)
    Sequence Number (raw): 1459738364
    [Next Sequence Number: 4477    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0x1282 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.083988000 seconds]
        [Time since previous frame in this TCP stream: 0.345344000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 790]
        [Bytes sent since last PSH flag: 790]
    TCP payload (790 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 785
        Encrypted Application Data: e19081f07cf42140edd70ec6e1a8019ff60a9b190d0b6dbda4b40f2fa57c6854a47477b9…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    372 4.828277       140.82.113.22         10.122.205.2          TLSv1.3  78     Application Data
Frame 372: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.766285000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.766285000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.828277000 seconds]
    Frame Number: 372
    Frame Length: 78 bytes (624 bits)
    Capture Length: 78 bytes (624 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 64
    Identification: 0x9fe9 (40937)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xdce9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 4477, Ack: 4568, Len: 24
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 24]
    Sequence Number: 4477    (relative sequence number)
    Sequence Number (raw): 1459739154
    [Next Sequence Number: 4501    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0xd093 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.083988000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 814]
        [Bytes sent since last PSH flag: 24]
    TCP payload (24 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 19
        Encrypted Application Data: 78b9eb51f007fb16b015d0821ad3ea66c694ae
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    373 4.828277       140.82.113.22         10.122.205.2          TCP      60     443 → 61097 [FIN, ACK] Seq=4501
Ack=4568 Win=74752 Len=0
Frame 373: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.766285000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.766285000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.828277000 seconds]
    Frame Number: 373
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9fea (40938)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0xdd00 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 4501, Ack: 4568, Len: 0
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4501    (relative sequence number)
    Sequence Number (raw): 1459739178
    [Next Sequence Number: 4502    (relative sequence number)]
    Acknowledgment Number: 4568    (relative ack number)
    Acknowledgment number (raw): 3425000711
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame initiates the connection closing]
                [This frame initiates the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 73
    [Calculated window size: 74752]
    [Window size scaling factor: 1024]
    Checksum: 0x8fe7 [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.083988000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    374 4.828390       10.122.205.2          140.82.113.22         TCP      54     61097 → 443 [ACK] Seq=4568 Ack=4502
Win=130304 Len=0
Frame 374: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.766398000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.766398000 seconds
    [Time delta from previous captured frame: 0.000113000 seconds]
    [Time delta from previous displayed frame: 0.000113000 seconds]
    [Time since reference or first frame: 4.828390000 seconds]
    Frame Number: 374
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xdd74 (56692)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 4568, Ack: 4502, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4568    (relative sequence number)
    Sequence Number (raw): 3425000711
    [Next Sequence Number: 4568    (relative sequence number)]
    Acknowledgment Number: 4502    (relative ack number)
    Acknowledgment number (raw): 1459739179
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0xd4ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.084101000 seconds]
        [Time since previous frame in this TCP stream: 0.000113000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 373]
        [The RTT to ACK the segment was: 0.000113000 seconds]
        [iRTT: 0.246109000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    375 4.829252       10.122.205.2          140.82.113.22         TLSv1.3  78     Application Data
Frame 375: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.767260000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.767260000 seconds
    [Time delta from previous captured frame: 0.000862000 seconds]
    [Time delta from previous displayed frame: 0.000862000 seconds]
    [Time since reference or first frame: 4.829252000 seconds]
    Frame Number: 375
    Frame Length: 78 bytes (624 bits)
    Capture Length: 78 bytes (624 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 64
    Identification: 0xdd75 (56693)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 4568, Ack: 4502, Len: 24
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 24]
    Sequence Number: 4568    (relative sequence number)
```

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    Sequence Number (raw): 3425000711
    [Next Sequence Number: 4592    (relative sequence number)]
    Acknowledgment Number: 4502    (relative ack number)
    Acknowledgment number (raw): 1459739179
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0xd517 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.084963000 seconds]
        [Time since previous frame in this TCP stream: 0.000862000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.246109000 seconds]
        [Bytes in flight: 24]
        [Bytes sent since last PSH flag: 24]
    TCP payload (24 bytes)
Transport Layer Security
    TLSv1.3 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Opaque Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 19
        Encrypted Application Data: 18889619b2bee9d3eca69951e76b64c48237c5
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    376 4.829597       10.122.205.2          140.82.113.22         TCP      54     61097 → 443 [FIN, ACK] Seq=4592
Ack=4502 Win=130304 Len=0
Frame 376: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.767605000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.767605000 seconds
    [Time delta from previous captured frame: 0.000345000 seconds]
    [Time delta from previous displayed frame: 0.000345000 seconds]
    [Time since reference or first frame: 4.829597000 seconds]
    Frame Number: 376
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 140.82.113.22
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xdd76 (56694)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 140.82.113.22
Transmission Control Protocol, Src Port: 61097, Dst Port: 443, Seq: 4592, Ack: 4502, Len: 0
    Source Port: 61097
    Destination Port: 443
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4592    (relative sequence number)
    Sequence Number (raw): 3425000735
    [Next Sequence Number: 4593    (relative sequence number)]
    Acknowledgment Number: 4502    (relative ack number)
    Acknowledgment number (raw): 1459739179
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame undergoes the connection closing]
                [This frame undergoes the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0xd4ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.085308000 seconds]
        [Time since previous frame in this TCP stream: 0.000345000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    377 4.857395       104.91.68.56          10.122.205.2          TCP      66     443 → 61098 [SYN, ACK] Seq=0 Ack=1
Win=64240 Len=0 MSS=1382 SACK_PERM WS=128
Frame 377: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.795403000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.795403000 seconds
    [Time delta from previous captured frame: 0.027798000 seconds]
    [Time delta from previous displayed frame: 0.027798000 seconds]
    [Time since reference or first frame: 4.857395000 seconds]
    Frame Number: 377
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0xcbb4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 89219361
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2237318705
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A··S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x4dea [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), No-Operation (NOP), SACK permitted, No-Operation
(NOP), Window scale
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
```

```
            Kind: SACK Permitted (4)
            Length: 2
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 7 (multiply by 128)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 7
            [Multiplier: 128]
    [Timestamps]
        [Time since first frame in this TCP stream: 1.077615000 seconds]
        [Time since previous frame in this TCP stream: 0.077649000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 221]
        [The RTT to ACK the segment was: 1.077615000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    378 4.857594       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 378: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.795602000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.795602000 seconds
    [Time delta from previous captured frame: 0.000199000 seconds]
    [Time delta from previous displayed frame: 0.000199000 seconds]
    [Time since reference or first frame: 4.857594000 seconds]
    Frame Number: 378
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x097f (2431)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
```

```
    Sequence Number (raw): 2237318705
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 89219362
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.077814000 seconds]
        [Time since previous frame in this TCP stream: 0.000199000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 377]
        [The RTT to ACK the segment was: 0.000199000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    379 4.858036       10.122.205.2          104.91.68.56          TLSv1.2  259    Client Hello
Frame 379: 259 bytes on wire (2072 bits), 259 bytes captured (2072 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.796044000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.796044000 seconds
    [Time delta from previous captured frame: 0.000442000 seconds]
    [Time delta from previous displayed frame: 0.000442000 seconds]
    [Time since reference or first frame: 4.858036000 seconds]
    Frame Number: 379
    Frame Length: 259 bytes (2072 bits)
    Capture Length: 259 bytes (2072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 245
    Identification: 0x0980 (2432)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
```

```
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 1, Ack: 1, Len: 205
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 205]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2237318705
    [Next Sequence Number: 206    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 89219362
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x84f7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.078256000 seconds]
        [Time since previous frame in this TCP stream: 0.000442000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 205]
        [Bytes sent since last PSH flag: 205]
    TCP payload (205 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 200
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 196
            Version: TLS 1.2 (0x0303)
            Random: 640186c213eb11f67f1d7705febd9437b142a02049e37ae6878755bba433c5c4
                GMT Unix Time: Mar  3, 2023 13:33:54.000000000 中国标准时间
                Random Bytes: 13eb11f67f1d7705febd9437b142a02049e37ae6878755bba433c5c4
            Session ID Length: 0
            Cipher Suites Length: 38
            Cipher Suites (19 suites)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA384 (0xc024)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA256 (0xc023)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 (0xc028)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 (0xc027)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA (0xc00a)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_CBC_SHA (0xc009)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA256 (0x003d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA256 (0x003c)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_3DES_EDE_CBC_SHA (0x000a)
```

```
        Compression Methods Length: 1
        Compression Methods (1 method)
            Compression Method: null (0)
        Extensions Length: 117
        Extension: server_name (len=25)
            Type: server_name (0)
            Length: 25
            Server Name Indication extension
                Server Name list length: 23
                Server Name Type: host_name (0)
                Server Name length: 20
                Server Name: catalog.gamepass.com
        Extension: status_request (len=5)
            Type: status_request (5)
            Length: 5
            Certificate Status Type: OCSP (1)
            Responder ID list Length: 0
            Request Extensions Length: 0
        Extension: supported_groups (len=8)
            Type: supported_groups (10)
            Length: 8
            Supported Groups List Length: 6
            Supported Groups (3 groups)
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: ec_point_formats (len=2)
            Type: ec_point_formats (11)
            Length: 2
            EC point formats Length: 1
            Elliptic curves point formats (1)
                EC point format: uncompressed (0)
        Extension: signature_algorithms (len=26)
            Type: signature_algorithms (13)
            Length: 26
            Signature Hash Algorithms Length: 24
            Signature Hash Algorithms (12 algorithms)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pkcs1_sha1 (0x0201)
                    Signature Hash Algorithm Hash: SHA1 (2)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: ecdsa_sha1 (0x0203)
                    Signature Hash Algorithm Hash: SHA1 (2)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: SHA1 DSA (0x0202)
                    Signature Hash Algorithm Hash: SHA1 (2)
                    Signature Hash Algorithm Signature: DSA (2)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp521r1_sha512 (0x0603)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: ECDSA (3)
        Extension: session_ticket (len=0)
            Type: session_ticket (35)
            Length: 0
            Data (0 bytes)
```

```
            Extension: application_layer_protocol_negotiation (len=14)
                Type: application_layer_protocol_negotiation (16)
                Length: 14
                ALPN Extension Length: 12
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
                    ALPN string length: 8
                    ALPN Next Protocol: http/1.1
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            [JA3 Fullstring:
771,49196-49195-49200-49199-49188-49187-49192-49191-49162-49161-49172-49171-157-156-61-60-53-47-10,0-5-10-11-13-35-16-23-
            [JA3: 28a2c9bd18a11de089ef85a160da29e4]
No.     Time           Source                Destination           Protocol Length Info
    380 4.862072       13.107.5.80           10.122.205.2          TCP      60     443 → 61106 [ACK] Seq=7037 Ack=751
Win=4193536 Len=0
Frame 380: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.800080000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.800080000 seconds
    [Time delta from previous captured frame: 0.004036000 seconds]
    [Time delta from previous displayed frame: 0.004036000 seconds]
    [Time since reference or first frame: 4.862072000 seconds]
    Frame Number: 380
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x18ec (6380)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0cad [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7037, Ack: 751, Len: 0
    Source Port: 443
```

```
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7037    (relative sequence number)
    Sequence Number (raw): 845534536
    [Next Sequence Number: 7037    (relative sequence number)]
    Acknowledgment Number: 751    (relative ack number)
    Acknowledgment number (raw): 76443062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x1b40 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.250502000 seconds]
        [Time since previous frame in this TCP stream: 0.080555000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 359]
        [The RTT to ACK the segment was: 0.080827000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    381 4.862831       13.107.5.80           10.122.205.2          TCP      60     443 → 61106 [ACK] Seq=7037 Ack=856
Win=4193280 Len=0
Frame 381: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.800839000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.800839000 seconds
    [Time delta from previous captured frame: 0.000759000 seconds]
    [Time delta from previous displayed frame: 0.000759000 seconds]
    [Time since reference or first frame: 4.862831000 seconds]
    Frame Number: 381
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 40
    Identification: 0x18ed (6381)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0cac [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7037, Ack: 856, Len: 0
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7037    (relative sequence number)
    Sequence Number (raw): 845534536
    [Next Sequence Number: 7037    (relative sequence number)]
    Acknowledgment Number: 856    (relative ack number)
    Acknowledgment number (raw): 76443167
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16380
    [Calculated window size: 4193280]
    [Window size scaling factor: 256]
    Checksum: 0x1ad8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.251261000 seconds]
        [Time since previous frame in this TCP stream: 0.000759000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 360]
        [The RTT to ACK the segment was: 0.081430000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    382 4.862831       13.107.5.80           10.122.205.2          TCP      60     443 → 61106 [ACK] Seq=7037 Ack=1298
Win=4193024 Len=0
Frame 382: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.800839000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.800839000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.862831000 seconds]
    Frame Number: 382
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x18ee (6382)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0cab [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7037, Ack: 1298, Len: 0
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7037    (relative sequence number)
    Sequence Number (raw): 845534536
    [Next Sequence Number: 7037    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0x191f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.251261000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 361]
        [The RTT to ACK the segment was: 0.081314000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    383 4.864716       13.107.5.80           10.122.205.2          TLSv1.2  396    New Session Ticket, Change Cipher
Spec, Encrypted Handshake Message
Frame 383: 396 bytes on wire (3168 bits), 396 bytes captured (3168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.802724000 中国标准时间
```

```
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.802724000 seconds
    [Time delta from previous captured frame: 0.001885000 seconds]
    [Time delta from previous displayed frame: 0.001885000 seconds]
    [Time since reference or first frame: 4.864716000 seconds]
    Frame Number: 383
    Frame Length: 396 bytes (3168 bits)
    Capture Length: 396 bytes (3168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 382
    Identification: 0x18ef (6383)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0b54 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7037, Ack: 1298, Len: 342
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 342]
    Sequence Number: 7037    (relative sequence number)
    Sequence Number (raw): 845534536
    [Next Sequence Number: 7379    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0xf468 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.253146000 seconds]
        [Time since previous frame in this TCP stream: 0.001885000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
```

```
        [Bytes in flight: 342]
        [Bytes sent since last PSH flag: 5870]
    TCP payload (342 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: New Session Ticket
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 286
        Handshake Protocol: New Session Ticket
            Handshake Type: New Session Ticket (4)
            Length: 282
            TLS Session Ticket
                Session Ticket Lifetime Hint: 36000 seconds (10 hours)
                Session Ticket Length: 276
                Session Ticket: 0000000099488ea22779e04ab0653c70b53309b60f292e4cb8a2a2354c451290e265ac56…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    384 4.864716       13.107.5.80           10.122.205.2          TLSv1.2  123    Application Data
Frame 384: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.802724000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.802724000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.864716000 seconds]
    Frame Number: 384
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x18f0 (6384)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0c64 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
```

```
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7379, Ack: 1298, Len: 69
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 69]
    Sequence Number: 7379    (relative sequence number)
    Sequence Number (raw): 845534878
    [Next Sequence Number: 7448    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0x5940 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.253146000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 411]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: 0000000000000001b4fa59ea30cd0ddd677b17afbd0dc6582286e58ff261c025a74c4e23…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    385 4.864827       10.122.205.2          13.107.5.80           TCP      54     61106 → 443 [ACK] Seq=1298 Ack=7448
Win=130816 Len=0
Frame 385: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.802835000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.802835000 seconds
    [Time delta from previous captured frame: 0.000111000 seconds]
    [Time delta from previous displayed frame: 0.000111000 seconds]
    [Time since reference or first frame: 4.864827000 seconds]
    Frame Number: 385
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x1b4c (6988)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1298, Ack: 7448, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1298    (relative sequence number)
    Sequence Number (raw): 76443609
    [Next Sequence Number: 1298    (relative sequence number)]
    Acknowledgment Number: 7448    (relative ack number)
    Acknowledgment number (raw): 845534947
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0xea51 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.253257000 seconds]
        [Time since previous frame in this TCP stream: 0.000111000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 384]
        [The RTT to ACK the segment was: 0.000111000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    386 4.865179       202.89.233.101        10.122.205.2          TCP      1436   443 → 61078 [ACK] Seq=2778 Ack=15121
Win=16384 Len=1382 [TCP segment of a reassembled PDU]
Frame 386: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803187000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803187000 seconds
    [Time delta from previous captured frame: 0.000352000 seconds]
    [Time delta from previous displayed frame: 0.000352000 seconds]
    [Time since reference or first frame: 4.865179000 seconds]
    Frame Number: 386
```

```
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x9931 (39217)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe3fc [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 2778, Ack: 15121, Len: 1382
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 1382]
    Sequence Number: 2778    (relative sequence number)
    Sequence Number (raw): 813432111
    [Next Sequence Number: 4160    (relative sequence number)]
    Acknowledgment Number: 15121    (relative ack number)
    Acknowledgment number (raw): 1536251956
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0xca3c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.172340000 seconds]
        [Time since previous frame in this TCP stream: 0.065805000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 387]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    387 4.865179       202.89.233.101        10.122.205.2          TLSv1.2  383    Application Data
```

```
Frame 387: 383 bytes on wire (3064 bits), 383 bytes captured (3064 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803187000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803187000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.865179000 seconds]
    Frame Number: 387
    Frame Length: 383 bytes (3064 bits)
    Capture Length: 383 bytes (3064 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 369
    Identification: 0x9932 (39218)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe818 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 4160, Ack: 15121, Len: 329
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 329]
    Sequence Number: 4160    (relative sequence number)
    Sequence Number (raw): 813433493
    [Next Sequence Number: 4489    (relative sequence number)]
    Acknowledgment Number: 15121    (relative ack number)
    Acknowledgment number (raw): 1536251956
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
```

```
    Checksum: 0x91d7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.172340000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 1711]
        [Bytes sent since last PSH flag: 1711]
    TCP payload (329 bytes)
    TCP segment data (329 bytes)
[2 Reassembled TCP Segments (1711 bytes): #386(1382), #387(329)]
    [Frame: 386, payload: 0-1381 (1382 bytes)]
    [Frame: 387, payload: 1382-1710 (329 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 1711]
    [Reassembled TCP Data: 17030306aa000000000000000ecc7d5b67047444e37784249aa0c5f5ccc29a23164d2356…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 1706
        Encrypted Application Data: 000000000000000ecc7d5b67047444e37784249aa0c5f5ccc29a23164d2356aa8c0c1a18…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    388 4.865179       202.89.233.101        10.122.205.2          TLSv1.2  859    Application Data
Frame 388: 859 bytes on wire (6872 bits), 859 bytes captured (6872 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803187000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803187000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.865179000 seconds]
    Frame Number: 388
    Frame Length: 859 bytes (6872 bits)
    Capture Length: 859 bytes (6872 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 845
    Identification: 0x9933 (39219)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe63b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 4489, Ack: 15121, Len: 805
```

```
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 805]
    Sequence Number: 4489    (relative sequence number)
    Sequence Number (raw): 813433822
    [Next Sequence Number: 5294    (relative sequence number)]
    Acknowledgment Number: 15121    (relative ack number)
    Acknowledgment number (raw): 1536251956
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x3727 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.172340000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2516]
        [Bytes sent since last PSH flag: 805]
    TCP payload (805 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 800
        Encrypted Application Data: 000000000000000f28db618989781a662082b9b65e2a4f29dc19d3744b3042326d9170c7…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    389 4.865179       202.89.233.101        10.122.205.2          TLSv1.2  92     Application Data
Frame 389: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803187000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803187000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.865179000 seconds]
    Frame Number: 389
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.89.233.101, Dst: 10.122.205.2
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x9934 (39220)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 109
    Protocol: TCP (6)
    Header Checksum: 0xe939 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.89.233.101
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61078, Seq: 5294, Ack: 15121, Len: 38
    Source Port: 443
    Destination Port: 61078
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 38]
    Sequence Number: 5294    (relative sequence number)
    Sequence Number (raw): 813434627
    [Next Sequence Number: 5332    (relative sequence number)]
    Acknowledgment Number: 15121    (relative ack number)
    Acknowledgment number (raw): 1536251956
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 16384]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x5371 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.172340000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [Bytes in flight: 2554]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000010ebd03e9077a06489b17a06af5973ae3e323b7c9055c3917403
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    390 4.865201       10.122.205.2          13.107.5.80           TLSv1.2  92     Application Data
Frame 390: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803209000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803209000 seconds
    [Time delta from previous captured frame: 0.000022000 seconds]
    [Time delta from previous displayed frame: 0.000022000 seconds]
    [Time since reference or first frame: 4.865201000 seconds]
```

```
    Frame Number: 390
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x1b4d (6989)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1298, Ack: 7448, Len: 38
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 1298    (relative sequence number)
    Sequence Number (raw): 76443609
    [Next Sequence Number: 1336    (relative sequence number)]
    Acknowledgment Number: 7448    (relative ack number)
    Acknowledgment number (raw): 845534947
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0xea77 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.253631000 seconds]
        [Time since previous frame in this TCP stream: 0.000374000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
```

```
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 00000000000000389b2d677abaed43edd4d57bfb955d25de7e1671a68c43e0bce
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    391 4.865271       10.122.205.2          202.89.233.101        TCP      54     61078 → 443 [ACK] Seq=15121 Ack=5332
Win=512 Len=0
Frame 391: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.803279000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.803279000 seconds
    [Time delta from previous captured frame: 0.000070000 seconds]
    [Time delta from previous displayed frame: 0.000070000 seconds]
    [Time since reference or first frame: 4.865271000 seconds]
    Frame Number: 391
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 202.89.233.101
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x7e89 (32393)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 202.89.233.101
Transmission Control Protocol, Src Port: 61078, Dst Port: 443, Seq: 15121, Ack: 5332, Len: 0
    Source Port: 61078
    Destination Port: 443
    [Stream index: 6]
    [Conversation completeness: Incomplete (12)]
    [TCP Segment Len: 0]
    Sequence Number: 15121    (relative sequence number)
    Sequence Number (raw): 1536251956
    [Next Sequence Number: 15121    (relative sequence number)]
    Acknowledgment Number: 5332    (relative ack number)
    Acknowledgment number (raw): 813434665
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 512]
    [Window size scaling factor: -1 (unknown)]
    Checksum: 0x8b56 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.172432000 seconds]
        [Time since previous frame in this TCP stream: 0.000092000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 389]
        [The RTT to ACK the segment was: 0.000092000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    392 4.892923       10.122.205.2          239.255.255.250       SSDP     143    M-SEARCH * HTTP/1.1
Frame 392: 143 bytes on wire (1144 bits), 143 bytes captured (1144 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.830931000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.830931000 seconds
    [Time delta from previous captured frame: 0.027652000 seconds]
    [Time delta from previous displayed frame: 0.027652000 seconds]
    [Time since reference or first frame: 4.892923000 seconds]
    Frame Number: 392
    Frame Length: 143 bytes (1144 bits)
    Capture Length: 143 bytes (1144 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:ssdp]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
    Destination: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        Address: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 239.255.255.250
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 129
    Identification: 0x5647 (22087)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 4
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 239.255.255.250
User Datagram Protocol, Src Port: 56317, Dst Port: 1900
    Source Port: 56317
    Destination Port: 1900
    Length: 109
    Checksum: 0xcd18 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
```

```
    [Timestamps]
        [Time since first frame: 3.000373000 seconds]
        [Time since previous frame: 3.000373000 seconds]
    UDP payload (101 bytes)
Simple Service Discovery Protocol
    M-SEARCH * HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): M-SEARCH * HTTP/1.1\r\n]
            [M-SEARCH * HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: M-SEARCH
        Request URI: *
        Request Version: HTTP/1.1
    Host: 239.255.255.250:1900\r\n
    ST: upnp:rootdevice\r\n
    Man: "ssdp:discover"\r\n
    MX: 3\r\n
    \r\n
    [Full request URI: http://239.255.255.250:1900*]
    [HTTP request 2/3]
    [Prev request in frame: 158]
    [Next request in frame: 557]
No.     Time           Source                Destination           Protocol Length Info
    393 4.898409       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=7244 Ack=14077
Win=525056 Len=0
Frame 393: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.836417000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.836417000 seconds
    [Time delta from previous captured frame: 0.005486000 seconds]
    [Time delta from previous displayed frame: 0.005486000 seconds]
    [Time since reference or first frame: 4.898409000 seconds]
    Frame Number: 393
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a90 (39568)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
```

```
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 7244, Ack: 14077, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7244    (relative sequence number)
    Sequence Number (raw): 3594559972
    [Next Sequence Number: 7244    (relative sequence number)]
    Acknowledgment Number: 14077    (relative ack number)
    Acknowledgment number (raw): 2138706258
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x152d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.927947000 seconds]
        [Time since previous frame in this TCP stream: 0.182596000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 339]
        [The RTT to ACK the segment was: 0.182726000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    394 4.898951       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=7244 Ack=15459
Win=525056 Len=0
Frame 394: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.836959000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.836959000 seconds
    [Time delta from previous captured frame: 0.000542000 seconds]
    [Time delta from previous displayed frame: 0.000542000 seconds]
    [Time since reference or first frame: 4.898951000 seconds]
    Frame Number: 394
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a91 (39569)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 7244, Ack: 15459, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7244    (relative sequence number)
    Sequence Number (raw): 3594559972
    [Next Sequence Number: 7244    (relative sequence number)]
    Acknowledgment Number: 15459    (relative ack number)
    Acknowledgment number (raw): 2138707640
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x0fc7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.928489000 seconds]
        [Time since previous frame in this TCP stream: 0.000542000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 340]
        [The RTT to ACK the segment was: 0.183138000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    395 4.898951       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=7244 Ack=18223
Win=525056 Len=0
Frame 395: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.836959000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.836959000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.898951000 seconds]
    Frame Number: 395
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
```

```
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a92 (39570)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 7244, Ack: 18223, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7244    (relative sequence number)
    Sequence Number (raw): 3594559972
    [Next Sequence Number: 7244    (relative sequence number)]
    Acknowledgment Number: 18223    (relative ack number)
    Acknowledgment number (raw): 2138710404
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x04fb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.928489000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 342]
        [The RTT to ACK the segment was: 0.183138000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    396 4.898951       20.189.173.15         10.122.205.2          TCP      60     443 → 61102 [ACK] Seq=7244 Ack=19958
Win=525056 Len=0
Frame 396: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.836959000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.836959000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.898951000 seconds]
    Frame Number: 396
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9a93 (39571)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe3f3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 7244, Ack: 19958, Len: 0
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7244    (relative sequence number)
    Sequence Number (raw): 3594559972
    [Next Sequence Number: 7244    (relative sequence number)]
    Acknowledgment Number: 19958    (relative ack number)
    Acknowledgment number (raw): 2138712139
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0xfe33 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.928489000 seconds]
```

```
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 344]
        [The RTT to ACK the segment was: 0.183138000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    397 4.899837       20.189.173.15         10.122.205.2          TLSv1.2  955    Application Data
Frame 397: 955 bytes on wire (7640 bits), 955 bytes captured (7640 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.837845000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.837845000 seconds
    [Time delta from previous captured frame: 0.000886000 seconds]
    [Time delta from previous displayed frame: 0.000886000 seconds]
    [Time since reference or first frame: 4.899837000 seconds]
    Frame Number: 397
    Frame Length: 955 bytes (7640 bits)
    Capture Length: 955 bytes (7640 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 941
    Identification: 0x9a94 (39572)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xe06d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61102, Seq: 7244, Ack: 19958, Len: 901
    Source Port: 443
    Destination Port: 61102
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 901]
    Sequence Number: 7244    (relative sequence number)
    Sequence Number (raw): 3594559972
    [Next Sequence Number: 8145    (relative sequence number)]
    Acknowledgment Number: 19958    (relative ack number)
    Acknowledgment number (raw): 2138712139
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x5cfe [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.929375000 seconds]
        [Time since previous frame in this TCP stream: 0.000886000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183529000 seconds]
        [Bytes in flight: 901]
        [Bytes sent since last PSH flag: 901]
    TCP payload (901 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 896
        Encrypted Application Data: 0000000000000027a36ba6b843ac15d075405c368eec252f360801ba1608905f909e2eb…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    398 4.907783       13.107.5.80           10.122.205.2          TLSv1.2  92     [TCP Previous segment not captured] ,
Application Data
Frame 398: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845791000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845791000 seconds
    [Time delta from previous captured frame: 0.007946000 seconds]
    [Time delta from previous displayed frame: 0.007946000 seconds]
    [Time since reference or first frame: 4.907783000 seconds]
    Frame Number: 398
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x18f3 (6387)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0c80 [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 9759, Ack: 1298, Len: 38
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 9759    (relative sequence number)
    Sequence Number (raw): 845537258
    [Next Sequence Number: 9797    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0xa117 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296213000 seconds]
        [Time since previous frame in this TCP stream: 0.042582000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000004db5d2519db723fb9e4317a7f48235f3d80cd6748e0be36a413
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    399 4.907783       13.107.5.80           10.122.205.2          TCP      983    [TCP Out-Of-Order] 443 → 61106 [PSH,
ACK] Seq=8830 Ack=1298 Win=4193024 Len=929
Frame 399: 983 bytes on wire (7864 bits), 983 bytes captured (7864 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845791000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845791000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.907783000 seconds]
    Frame Number: 399
    Frame Length: 983 bytes (7864 bits)
    Capture Length: 983 bytes (7864 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
```

```
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 969
    Identification: 0x18f2 (6386)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0906 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 8830, Ack: 1298, Len: 929
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 929]
    Sequence Number: 8830    (relative sequence number)
    Sequence Number (raw): 845536329
    [Next Sequence Number: 9759    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0x3760 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296213000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (929 bytes)
No.     Time           Source                Destination           Protocol Length Info
    400 4.907783       13.107.5.80           10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61106 [PSH,
ACK] Seq=7448 Ack=1298 Win=4193024 Len=1382
Frame 400: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
```

```
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845791000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845791000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.907783000 seconds]
    Frame Number: 400
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x18f1 (6385)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0742 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 7448, Ack: 1298, Len: 1382
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 7448    (relative sequence number)
    Sequence Number (raw): 845534947
    [Next Sequence Number: 8830    (relative sequence number)]
    Acknowledgment Number: 1298    (relative ack number)
    Acknowledgment number (raw): 76443609
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16379
    [Calculated window size: 4193024]
    [Window size scaling factor: 256]
    Checksum: 0x24bc [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296213000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    401 4.907840       10.122.205.2          13.107.5.80           TCP      66     [TCP Dup ACK 385#1] 61106 → 443 [ACK]
Seq=1336 Ack=7448 Win=130816 Len=0 SLE=9759 SRE=9797
Frame 401: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845848000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845848000 seconds
    [Time delta from previous captured frame: 0.000057000 seconds]
    [Time delta from previous displayed frame: 0.000057000 seconds]
    [Time since reference or first frame: 4.907840000 seconds]
    Frame Number: 401
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x1b4e (6990)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1336, Ack: 7448, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1336    (relative sequence number)
    Sequence Number (raw): 76443647
    [Next Sequence Number: 1336    (relative sequence number)]
    Acknowledgment Number: 7448    (relative ack number)
```

```
    Acknowledgment number (raw): 845534947
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0xea5d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 9759-9797
            Kind: SACK (5)
            Length: 10
            left edge = 9759 (relative)
            right edge = 9797 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296270000 seconds]
        [Time since previous frame in this TCP stream: 0.000057000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 385]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    402 4.907887       10.122.205.2          13.107.5.80           TCP      66     [TCP Dup ACK 385#2] 61106 → 443 [ACK]
Seq=1336 Ack=7448 Win=130816 Len=0 SLE=8830 SRE=9797
Frame 402: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845895000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845895000 seconds
    [Time delta from previous captured frame: 0.000047000 seconds]
    [Time delta from previous displayed frame: 0.000047000 seconds]
    [Time since reference or first frame: 4.907887000 seconds]
    Frame Number: 402
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x1b4f (6991)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1336, Ack: 7448, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1336    (relative sequence number)
    Sequence Number (raw): 76443647
    [Next Sequence Number: 1336    (relative sequence number)]
    Acknowledgment Number: 7448    (relative ack number)
    Acknowledgment number (raw): 845534947
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0xea5d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 8830-9797
            Kind: SACK (5)
            Length: 10
            left edge = 8830 (relative)
            right edge = 9797 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296317000 seconds]
        [Time since previous frame in this TCP stream: 0.000047000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.081373000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 2]
        [Duplicate to the ACK in frame: 385]
            [Expert Info (Note/Sequence): Duplicate ACK (#2)]
                [Duplicate ACK (#2)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
```

```
    403 4.907924       10.122.205.2          13.107.5.80           TCP      54     61106 → 443 [ACK] Seq=1336 Ack=9797
Win=131072 Len=0
Frame 403: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.845932000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.845932000 seconds
    [Time delta from previous captured frame: 0.000037000 seconds]
    [Time delta from previous displayed frame: 0.000037000 seconds]
    [Time since reference or first frame: 4.907924000 seconds]
    Frame Number: 403
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 13.107.5.80
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x1b50 (6992)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 13.107.5.80
Transmission Control Protocol, Src Port: 61106, Dst Port: 443, Seq: 1336, Ack: 9797, Len: 0
    Source Port: 61106
    Destination Port: 443
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1336    (relative sequence number)
    Sequence Number (raw): 76443647
    [Next Sequence Number: 1336    (relative sequence number)]
    Acknowledgment Number: 9797    (relative ack number)
    Acknowledgment number (raw): 845537296
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
```

```
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xea51 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.296354000 seconds]
        [Time since previous frame in this TCP stream: 0.000037000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 398]
        [The RTT to ACK the segment was: 0.000141000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    404 4.935653       104.91.68.56          10.122.205.2          TCP      60     443 → 61098 [ACK] Seq=1 Ack=206
Win=64128 Len=0
Frame 404: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.873661000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.873661000 seconds
    [Time delta from previous captured frame: 0.027729000 seconds]
    [Time delta from previous displayed frame: 0.027729000 seconds]
    [Time since reference or first frame: 4.935653000 seconds]
    Frame Number: 404
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xab07 (43783)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x20b9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 1, Ack: 206, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 89219362
    [Next Sequence Number: 1    (relative sequence number)]
```

```
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x869d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.155873000 seconds]
        [Time since previous frame in this TCP stream: 0.077617000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 379]
        [The RTT to ACK the segment was: 0.077617000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    405 4.935653       104.91.68.56          10.122.205.2          TLSv1.2  1436   Server Hello
Frame 405: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.873661000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.873661000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.935653000 seconds]
    Frame Number: 405
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xab08 (43784)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1b52 [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 1, Ack: 206, Len: 1382
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 89219362
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x8c41 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.155873000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    TCP segment data (1299 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Server Hello
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 78
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 74
            Version: TLS 1.2 (0x0303)
            Random: 731f89a94e71f95cfcd1fc415dfee38d0541ecfb535dff55444f574e47524401
                GMT Unix Time: Mar 17, 2031 00:58:17.000000000 中国标准时间
                Random Bytes: 4e71f95cfcd1fc415dfee38d0541ecfb535dff55444f574e47524401
            Session ID Length: 0
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
            Compression Method: null (0)
            Extensions Length: 34
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: server_name (len=0)
                Type: server_name (0)
                Length: 0
            Extension: ec_point_formats (len=4)
                Type: ec_point_formats (11)
                Length: 4
                EC point formats Length: 3
                Elliptic curves point formats (3)
                    EC point format: uncompressed (0)
                    EC point format: ansiX962_compressed_prime (1)
                    EC point format: ansiX962_compressed_char2 (2)
            Extension: session_ticket (len=0)
                Type: session_ticket (35)
                Length: 0
```

```
                Data (0 bytes)
            Extension: status_request (len=0)
                Type: status_request (5)
                Length: 0
            Extension: application_layer_protocol_negotiation (len=5)
                Type: application_layer_protocol_negotiation (16)
                Length: 5
                ALPN Extension Length: 3
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
            [JA3S Fullstring: 771,49200,65281-0-11-35-5-16]
            [JA3S: 35af4c8cd9495354f7d701ce8ad7fd2d]
No.     Time           Source                Destination           Protocol Length Info
    406 4.935653       104.91.68.56          10.122.205.2          TCP      1386   [TCP Previous segment not captured]
443 → 61098 [PSH, ACK] Seq=2765 Ack=206 Win=64128 Len=1332 [TCP segment of a reassembled PDU]
Frame 406: 1386 bytes on wire (11088 bits), 1386 bytes captured (11088 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.873661000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.873661000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.935653000 seconds]
    Frame Number: 406
    Frame Length: 1386 bytes (11088 bits)
    Capture Length: 1386 bytes (11088 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1372
    Identification: 0xab0a (43786)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1b82 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 2765, Ack: 206, Len: 1332
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1332]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 89222126
    [Next Sequence Number: 4097    (relative sequence number)]
```

```
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x581c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.155873000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1332 bytes)
    TCP segment data (1086 bytes)
    [Reassembled PDU in frame: 520]
    TCP segment data (246 bytes)
No.     Time           Source                Destination           Protocol Length Info
    407 4.935771       10.122.205.2          104.91.68.56          TCP      66     61098 → 443 [ACK] Seq=206 Ack=1383
Win=131072 Len=0 SLE=2765 SRE=4097
Frame 407: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.873779000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.873779000 seconds
    [Time delta from previous captured frame: 0.000118000 seconds]
    [Time delta from previous displayed frame: 0.000118000 seconds]
    [Time since reference or first frame: 4.935771000 seconds]
    Frame Number: 407
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
```

```
    Identification: 0x0981 (2433)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 206, Ack: 1383, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 206    (relative sequence number)
    Sequence Number (raw): 2237318910
    [Next Sequence Number: 206    (relative sequence number)]
    Acknowledgment Number: 1383    (relative ack number)
    Acknowledgment number (raw): 89220744
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x8436 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 2765-4097
            Kind: SACK (5)
            Length: 10
            left edge = 2765 (relative)
            right edge = 4097 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 1.155991000 seconds]
        [Time since previous frame in this TCP stream: 0.000118000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 405]
        [The RTT to ACK the segment was: 0.000118000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    408 4.940231       10.122.205.2          20.189.173.15         TCP      54     61102 → 443 [ACK] Seq=19958 Ack=8145
Win=131072 Len=0
Frame 408: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.878239000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.878239000 seconds
    [Time delta from previous captured frame: 0.004460000 seconds]
    [Time delta from previous displayed frame: 0.004460000 seconds]
    [Time since reference or first frame: 4.940231000 seconds]
```

```
    Frame Number: 408
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x9477 (38007)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61102, Dst Port: 443, Seq: 19958, Ack: 8145, Len: 0
    Source Port: 61102
    Destination Port: 443
    [Stream index: 12]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 19958    (relative sequence number)
    Sequence Number (raw): 2138712139
    [Next Sequence Number: 19958    (relative sequence number)]
    Acknowledgment Number: 8145    (relative ack number)
    Acknowledgment number (raw): 3594560873
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.969769000 seconds]
        [Time since previous frame in this TCP stream: 0.040394000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 397]
        [The RTT to ACK the segment was: 0.040394000 seconds]
        [iRTT: 0.183529000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    409 4.947950       13.107.5.80           10.122.205.2          TCP      60     443 → 61106 [ACK] Seq=9797 Ack=1336
Win=4193024 Len=0
```

```
Frame 409: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.885958000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.885958000 seconds
    [Time delta from previous captured frame: 0.007719000 seconds]
    [Time delta from previous displayed frame: 0.007719000 seconds]
    [Time since reference or first frame: 4.947950000 seconds]
    Frame Number: 409
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 13.107.5.80, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x18f4 (6388)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x0ca5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 13.107.5.80
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61106, Seq: 9797, Ack: 1336, Len: 0
    Source Port: 443
    Destination Port: 61106
    [Stream index: 16]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 9797    (relative sequence number)
    Sequence Number (raw): 845537296
    [Next Sequence Number: 9797    (relative sequence number)]
    Acknowledgment Number: 1336    (relative ack number)
    Acknowledgment number (raw): 76443647
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16379
    [Calculated window size: 4193024]
```

```
    [Window size scaling factor: 256]
    Checksum: 0x0e31 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.336380000 seconds]
        [Time since previous frame in this TCP stream: 0.040026000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 390]
        [The RTT to ACK the segment was: 0.082749000 seconds]
        [iRTT: 0.081373000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    410 4.947950       104.18.25.57          10.122.205.2          TCP      60     443 → 61105 [ACK] Seq=1 Ack=518
Win=65536 Len=0
Frame 410: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.885958000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.885958000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.947950000 seconds]
    Frame Number: 410
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x3522 (13602)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbfe6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 1, Ack: 518, Len: 0
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3322537457
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2040624387
```

```
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xcbf7 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.362008000 seconds]
        [Time since previous frame in this TCP stream: 0.180726000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 348]
        [The RTT to ACK the segment was: 0.180726000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    411 4.952571       104.18.25.57          10.122.205.2          TLSv1.2  1436   [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 411: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890579000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890579000 seconds
    [Time delta from previous captured frame: 0.004621000 seconds]
    [Time delta from previous displayed frame: 0.004621000 seconds]
    [Time since reference or first frame: 4.952571000 seconds]
    Frame Number: 411
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x3524 (13604)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
```

```
    Header Checksum: 0xba7e [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 3322538839
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2040624387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0a0e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366629000 seconds]
        [Time since previous frame in this TCP stream: 0.004621000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    412 4.952571       104.18.25.57          10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61105 [ACK]
Seq=1 Ack=518 Win=65536 Len=1382
Frame 412: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890579000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890579000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.952571000 seconds]
    Frame Number: 412
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
```

```
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x3523 (13603)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xba7f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3322537457
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2040624387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xcb2d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366629000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    413 4.952571       104.18.25.57          10.122.205.2          TLSv1.2  1144   [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 413: 1144 bytes on wire (9152 bits), 1144 bytes captured (9152 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
```

```
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890579000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890579000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.952571000 seconds]
    Frame Number: 413
    Frame Length: 1144 bytes (9152 bits)
    Capture Length: 1144 bytes (9152 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1130
    Identification: 0x3526 (13606)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbba0 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 4147, Ack: 518, Len: 1090
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1090]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 3322541603
    [Next Sequence Number: 5237    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2040624387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x66c8 [unverified]
    [Checksum Status: Unverified]
```

```
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366629000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1090 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
    414 4.952571       104.18.25.57          10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61105 [ACK]
Seq=2765 Ack=518 Win=65536 Len=1382
Frame 414: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890579000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890579000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 4.952571000 seconds]
    Frame Number: 414
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x3525 (13605)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xba7d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 2765, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 3322540221
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 2040624387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xa227 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366629000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    415 4.952618       10.122.205.2          104.18.25.57          TCP      66     [TCP Dup ACK 347#1] 61105 → 443 [ACK]
Seq=518 Ack=1 Win=131072 Len=0 SLE=1383 SRE=2765
Frame 415: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890626000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890626000 seconds
    [Time delta from previous captured frame: 0.000047000 seconds]
    [Time delta from previous displayed frame: 0.000047000 seconds]
    [Time since reference or first frame: 4.952618000 seconds]
    Frame Number: 415
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xf837 (63543)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 518, Ack: 1, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2040624387
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3322537457
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x58ee [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 1383-2765
            Kind: SACK (5)
            Length: 10
            left edge = 1383 (relative)
            right edge = 2765 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366676000 seconds]
        [Time since previous frame in this TCP stream: 0.000047000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 347]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    416 4.952701       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=518 Ack=2765
Win=131072 Len=0
Frame 416: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890709000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890709000 seconds
    [Time delta from previous captured frame: 0.000083000 seconds]
    [Time delta from previous displayed frame: 0.000083000 seconds]
    [Time since reference or first frame: 4.952701000 seconds]
    Frame Number: 416
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf838 (63544)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 518, Ack: 2765, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2040624387
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 2765    (relative ack number)
    Acknowledgment number (raw): 3322540221
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.366759000 seconds]
        [Time since previous frame in this TCP stream: 0.000083000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 411]
        [The RTT to ACK the segment was: 0.000130000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    417 4.952718       10.122.205.2          104.18.25.57          TCP      66     [TCP Dup ACK 416#1] 61105 → 443 [ACK]
Seq=518 Ack=2765 Win=131072 Len=0 SLE=4147 SRE=5237
Frame 417: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890726000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890726000 seconds
    [Time delta from previous captured frame: 0.000017000 seconds]
    [Time delta from previous displayed frame: 0.000017000 seconds]
    [Time since reference or first frame: 4.952718000 seconds]
    Frame Number: 417
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xf839 (63545)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 518, Ack: 2765, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2040624387
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 2765    (relative ack number)
    Acknowledgment number (raw): 3322540221
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x58ee [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 4147-5237
            Kind: SACK (5)
            Length: 10
            left edge = 4147 (relative)
            right edge = 5237 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366776000 seconds]
        [Time since previous frame in this TCP stream: 0.000017000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 416]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    418 4.952739       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=518 Ack=5237
Win=131072 Len=0
Frame 418: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.890747000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.890747000 seconds
    [Time delta from previous captured frame: 0.000021000 seconds]
    [Time delta from previous displayed frame: 0.000021000 seconds]
    [Time since reference or first frame: 4.952739000 seconds]
    Frame Number: 418
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf83a (63546)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 518, Ack: 5237, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2040624387
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 5237    (relative ack number)
    Acknowledgment number (raw): 3322542693
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.366797000 seconds]
        [Time since previous frame in this TCP stream: 0.000021000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 413]
        [The RTT to ACK the segment was: 0.000168000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    419 4.954199       10.122.205.2          104.18.25.57          TLSv1.2  147    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 419: 147 bytes on wire (1176 bits), 147 bytes captured (1176 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.892207000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.892207000 seconds
    [Time delta from previous captured frame: 0.001460000 seconds]
    [Time delta from previous displayed frame: 0.001460000 seconds]
    [Time since reference or first frame: 4.954199000 seconds]
    Frame Number: 419
    Frame Length: 147 bytes (1176 bits)
    Capture Length: 147 bytes (1176 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
```

```
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 133
    Identification: 0xf83b (63547)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 518, Ack: 5237, Len: 93
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 93]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 2040624387
    [Next Sequence Number: 611    (relative sequence number)]
    Acknowledgment Number: 5237    (relative ack number)
    Acknowledgment number (raw): 3322542693
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x593f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.368257000 seconds]
        [Time since previous frame in this TCP stream: 0.001460000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 93]
        [Bytes sent since last PSH flag: 93]
    TCP payload (93 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 37
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 33
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
```

```
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    420 4.954353       10.122.205.2          104.18.25.57          TLSv1.2  159    Application Data
Frame 420: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.892361000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.892361000 seconds
    [Time delta from previous captured frame: 0.000154000 seconds]
    [Time delta from previous displayed frame: 0.000154000 seconds]
    [Time since reference or first frame: 4.954353000 seconds]
    Frame Number: 420
    Frame Length: 159 bytes (1272 bits)
    Capture Length: 159 bytes (1272 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 145
    Identification: 0xf83c (63548)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 611, Ack: 5237, Len: 105
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 105]
    Sequence Number: 611    (relative sequence number)
    Sequence Number (raw): 2040624480
    [Next Sequence Number: 716    (relative sequence number)]
    Acknowledgment Number: 5237    (relative ack number)
    Acknowledgment number (raw): 3322542693
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
```

```
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x594b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.368411000 seconds]
        [Time since previous frame in this TCP stream: 0.000154000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 198]
        [Bytes sent since last PSH flag: 105]
    TCP payload (105 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 100
        Encrypted Application Data: 0000000000000001e6e34ea2178ab06b996f90ddda009b80e249e7ef27e0c980a4a83f65…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    421 4.954462       10.122.205.2          104.18.25.57          TLSv1.2  499    Application Data
Frame 421: 499 bytes on wire (3992 bits), 499 bytes captured (3992 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.892470000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.892470000 seconds
    [Time delta from previous captured frame: 0.000109000 seconds]
    [Time delta from previous displayed frame: 0.000109000 seconds]
    [Time since reference or first frame: 4.954462000 seconds]
    Frame Number: 421
    Frame Length: 499 bytes (3992 bits)
    Capture Length: 499 bytes (3992 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 485
    Identification: 0xf83d (63549)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 716, Ack: 5237, Len: 445
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 445]
    Sequence Number: 716    (relative sequence number)
    Sequence Number (raw): 2040624585
    [Next Sequence Number: 1161    (relative sequence number)]
    Acknowledgment Number: 5237    (relative ack number)
    Acknowledgment number (raw): 3322542693
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x5a9f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.368520000 seconds]
        [Time since previous frame in this TCP stream: 0.000109000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 643]
        [Bytes sent since last PSH flag: 445]
    TCP payload (445 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 440
        Encrypted Application Data: 0000000000000027b89b04ba1953f651b2e4f6d9e54108a07e42a16bf90e556b53fcb73…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    422 5.012264       20.189.173.15         10.122.205.2          TLSv1.2  818    [TCP Previous segment not captured] ,
Ignored Unknown Record
Frame 422: 818 bytes on wire (6544 bits), 818 bytes captured (6544 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950272000 seconds
    [Time delta from previous captured frame: 0.057802000 seconds]
    [Time delta from previous displayed frame: 0.057802000 seconds]
    [Time since reference or first frame: 5.012264000 seconds]
    Frame Number: 422
    Frame Length: 818 bytes (6544 bits)
    Capture Length: 818 bytes (6544 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 804
    Identification: 0xca87 (51847)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xb103 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 5529, Ack: 518, Len: 764
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 764]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 1384948924
    [Next Sequence Number: 6293    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 827889849
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x2886 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369252000 seconds]
        [Time since previous frame in this TCP stream: 0.185630000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 370]
        [The RTT to ACK the segment was: 0.185630000 seconds]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (764 bytes)
Transport Layer Security
    Ignored Unknown Record
        [Expert Info (Warning/Protocol): Ignored Unknown Record]
            [Ignored Unknown Record]
            [Severity level: Warning]
            [Group: Protocol]
No.     Time           Source                Destination           Protocol Length Info
```

```
    423 5.012264       20.189.173.15         10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61107 [ACK]
Seq=1 Ack=518 Win=524544 Len=1382
Frame 423: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950272000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.012264000 seconds]
    Frame Number: 423
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca83 (51843)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xae9d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1384943396
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 827889849
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xa655 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369252000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    424 5.012264       20.189.173.15         10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61107 [ACK]
Seq=1383 Ack=518 Win=524544 Len=1382
Frame 424: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950272000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.012264000 seconds]
    Frame Number: 424
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca84 (51844)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xae9c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1384944778
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 827889849
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xef7e [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369252000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    425 5.012264       20.189.173.15         10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61107 [ACK]
Seq=2765 Ack=518 Win=524544 Len=1382
Frame 425: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950272000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.012264000 seconds]
    Frame Number: 425
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca85 (51845)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xae9b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 2765, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 1384946160
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 827889849
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0xee1f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369252000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    426 5.012264       20.189.173.15         10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61107 [ACK]
Seq=4147 Ack=518 Win=524544 Len=1382
Frame 426: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950272000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.012264000 seconds]
    Frame Number: 426
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xca86 (51846)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xae9a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 4147, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 1384947542
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 827889849
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x50de [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369252000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
```

```
    427 5.012347       10.122.205.2          20.189.173.15         TCP      66     [TCP Dup ACK 369#1] 61107 → 443 [ACK]
Seq=518 Ack=1 Win=131072 Len=0 SLE=5529 SRE=6293
Frame 427: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950355000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950355000 seconds
    [Time delta from previous captured frame: 0.000083000 seconds]
    [Time delta from previous displayed frame: 0.000083000 seconds]
    [Time since reference or first frame: 5.012347000 seconds]
    Frame Number: 427
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9478 (38008)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 1, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1384943396
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-6293
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 6293 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369335000 seconds]
        [Time since previous frame in this TCP stream: 0.000083000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 369]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    428 5.012419       10.122.205.2          20.189.173.15         TCP      66     61107 → 443 [ACK] Seq=518 Ack=1383
Win=131072 Len=0 SLE=5529 SRE=6293
Frame 428: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950427000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950427000 seconds
    [Time delta from previous captured frame: 0.000072000 seconds]
    [Time delta from previous displayed frame: 0.000072000 seconds]
    [Time since reference or first frame: 5.012419000 seconds]
    Frame Number: 428
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x9479 (38009)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 1383, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1383    (relative ack number)
    Acknowledgment number (raw): 1384944778
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-6293
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 6293 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369407000 seconds]
        [Time since previous frame in this TCP stream: 0.000072000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 423]
        [The RTT to ACK the segment was: 0.000155000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    429 5.012446       10.122.205.2          20.189.173.15         TCP      66     61107 → 443 [ACK] Seq=518 Ack=2765
Win=131072 Len=0 SLE=5529 SRE=6293
Frame 429: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950454000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950454000 seconds
    [Time delta from previous captured frame: 0.000027000 seconds]
    [Time delta from previous displayed frame: 0.000027000 seconds]
    [Time since reference or first frame: 5.012446000 seconds]
    Frame Number: 429
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x947a (38010)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 2765, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 2765    (relative ack number)
    Acknowledgment number (raw): 1384946160
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-6293
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 6293 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369434000 seconds]
        [Time since previous frame in this TCP stream: 0.000027000 seconds]
```

```
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 424]
        [The RTT to ACK the segment was: 0.000182000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    430 5.012470       10.122.205.2          20.189.173.15         TCP      66     61107 → 443 [ACK] Seq=518 Ack=4147
Win=131072 Len=0 SLE=5529 SRE=6293
Frame 430: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950478000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950478000 seconds
    [Time delta from previous captured frame: 0.000024000 seconds]
    [Time delta from previous displayed frame: 0.000024000 seconds]
    [Time since reference or first frame: 5.012470000 seconds]
    Frame Number: 430
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x947b (38011)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 4147, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 4147    (relative ack number)
    Acknowledgment number (raw): 1384947542
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x996f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-6293
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 6293 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369458000 seconds]
        [Time since previous frame in this TCP stream: 0.000024000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 425]
        [The RTT to ACK the segment was: 0.000206000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    431 5.012496       10.122.205.2          20.189.173.15         TCP      54     61107 → 443 [ACK] Seq=518 Ack=6293
Win=131072 Len=0
Frame 431: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.950504000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.950504000 seconds
    [Time delta from previous captured frame: 0.000026000 seconds]
    [Time delta from previous displayed frame: 0.000026000 seconds]
    [Time since reference or first frame: 5.012496000 seconds]
    Frame Number: 431
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x947c (38012)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
```

```
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 6293, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 6293    (relative ack number)
    Acknowledgment number (raw): 1384949688
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.369484000 seconds]
        [Time since previous frame in this TCP stream: 0.000026000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 422]
        [The RTT to ACK the segment was: 0.000232000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    432 5.014653       10.122.205.2          20.189.173.15         TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 432: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.952661000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.952661000 seconds
    [Time delta from previous captured frame: 0.002157000 seconds]
    [Time delta from previous displayed frame: 0.002157000 seconds]
    [Time since reference or first frame: 5.014653000 seconds]
    Frame Number: 432
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x947d (38013)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 518, Ack: 6293, Len: 158
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 158]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 827889849
    [Next Sequence Number: 676    (relative sequence number)]
    Acknowledgment Number: 6293    (relative ack number)
    Acknowledgment number (raw): 1384949688
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9a01 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.371641000 seconds]
        [Time since previous frame in this TCP stream: 0.002157000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.183017000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
```

```
    433 5.027594       104.91.68.56          10.122.205.2          TCP      1436   [TCP Retransmission] 443 → 61098
[ACK] Seq=1383 Ack=206 Win=64128 Len=1382
Frame 433: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.965602000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.965602000 seconds
    [Time delta from previous captured frame: 0.012941000 seconds]
    [Time delta from previous displayed frame: 0.012941000 seconds]
    [Time since reference or first frame: 5.027594000 seconds]
    Frame Number: 433
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xab0d (43789)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1b4d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 1383, Ack: 206, Len: 1382
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 89220744
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0xd9e6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.247814000 seconds]
        [Time since previous frame in this TCP stream: 0.091823000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 2764]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 0.091941000 seconds]
            [RTO based on delta from frame: 406]
    TCP payload (1382 bytes)
    Retransmitted TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    434 5.027701       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [ACK] Seq=206 Ack=4097
Win=131072 Len=0
Frame 434: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.965709000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.965709000 seconds
    [Time delta from previous captured frame: 0.000107000 seconds]
    [Time delta from previous displayed frame: 0.000107000 seconds]
    [Time since reference or first frame: 5.027701000 seconds]
    Frame Number: 434
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0982 (2434)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
```

```
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 206, Ack: 4097, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 206    (relative sequence number)
    Sequence Number (raw): 2237318910
    [Next Sequence Number: 206    (relative sequence number)]
    Acknowledgment Number: 4097    (relative ack number)
    Acknowledgment number (raw): 89223458
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.247921000 seconds]
        [Time since previous frame in this TCP stream: 0.000107000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 406]
        [The RTT to ACK the segment was: 0.092048000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    435 5.057399       10.122.205.2          40.90.184.73          TCP      571    [TCP Retransmission] 61104 → 443
[PSH, ACK] Seq=1 Ack=1 Win=131072 Len=517
Frame 435: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:54.995407000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821634.995407000 seconds
    [Time delta from previous captured frame: 0.029698000 seconds]
    [Time delta from previous displayed frame: 0.029698000 seconds]
    [Time since reference or first frame: 5.057399000 seconds]
    Frame Number: 435
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xefb1 (61361)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xba3f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.721869000 seconds]
        [Time since previous frame in this TCP stream: 0.308134000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 0.616068000 seconds]
            [RTO based on delta from frame: 296]
    TCP payload (517 bytes)
    Retransmitted TCP segment data (517 bytes)
No.     Time           Source                Destination           Protocol Length Info
    436 5.074054       140.82.113.22         10.122.205.2          TCP      60     443 → 61097 [RST] Seq=4502 Win=0
Len=0
Frame 436: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.012062000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.012062000 seconds
    [Time delta from previous captured frame: 0.016655000 seconds]
    [Time delta from previous displayed frame: 0.016655000 seconds]
```

```
    [Time since reference or first frame: 5.074054000 seconds]
    Frame Number: 436
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0x7ceb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 4502, Len: 0
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4502    (relative sequence number)
    Sequence Number (raw): 1459739179
    [Next Sequence Number: 4502    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 1024]
    Checksum: 0xb969 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.329765000 seconds]
        [Time since previous frame in this TCP stream: 0.244457000 seconds]
No.     Time           Source                Destination           Protocol Length Info
```

```
    437 5.074054       140.82.113.22         10.122.205.2          TCP      60     443 → 61097 [RST] Seq=4502 Win=0
Len=0
Frame 437: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.012062000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.012062000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.074054000 seconds]
    Frame Number: 437
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 140.82.113.22, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0000 (0)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 41
    Protocol: TCP (6)
    Header Checksum: 0x7ceb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 140.82.113.22
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61097, Seq: 4502, Len: 0
    Source Port: 443
    Destination Port: 61097
    [Stream index: 7]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 4502    (relative sequence number)
    Sequence Number (raw): 1459739179
    [Next Sequence Number: 4502    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
```

```
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 1024]
    Checksum: 0xb969 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.329765000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    438 5.091710       128.119.245.12        10.122.205.2          HTTP     538    HTTP/1.1 404 Not Found  (text/html)
Frame 438: 538 bytes on wire (4304 bits), 538 bytes captured (4304 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.029718000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.029718000 seconds
    [Time delta from previous captured frame: 0.017656000 seconds]
    [Time delta from previous displayed frame: 0.017656000 seconds]
    [Time since reference or first frame: 5.091710000 seconds]
    Frame Number: 438
    Frame Length: 538 bytes (4304 bits)
    Capture Length: 538 bytes (4304 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http:data-text-lines]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 524
    Identification: 0xe039 (57401)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 35
    Protocol: TCP (6)
    Header Checksum: 0x28b2 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 80, Dst Port: 61099, Seq: 4862, Ack: 963, Len: 484
    Source Port: 80
    Destination Port: 61099
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 484]
    Sequence Number: 4862    (relative sequence number)
    Sequence Number (raw): 1283098464
    [Next Sequence Number: 5346    (relative sequence number)]
    Acknowledgment Number: 963    (relative ack number)
    Acknowledgment number (raw): 2697481817
```

```
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 245
    [Calculated window size: 31360]
    [Window size scaling factor: 128]
    Checksum: 0x4757 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.156936000 seconds]
        [Time since previous frame in this TCP stream: 0.270646000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 367]
        [The RTT to ACK the segment was: 0.270646000 seconds]
        [iRTT: 0.270431000 seconds]
        [Bytes in flight: 484]
        [Bytes sent since last PSH flag: 484]
    TCP payload (484 bytes)
Hypertext Transfer Protocol
    HTTP/1.1 404 Not Found\r\n
        [Expert Info (Chat/Sequence): HTTP/1.1 404 Not Found\r\n]
            [HTTP/1.1 404 Not Found\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Response Version: HTTP/1.1
        Status Code: 404
        [Status Code Description: Not Found]
        Response Phrase: Not Found
    Date: Fri, 03 Mar 2023 05:33:53 GMT\r\n
    Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
    Content-Length: 209\r\n
        [Content length: 209]
    Keep-Alive: timeout=5, max=99\r\n
    Connection: Keep-Alive\r\n
    Content-Type: text/html; charset=iso-8859-1\r\n
    \r\n
    [HTTP response 2/2]
    [Time since request: 0.270646000 seconds]
    [Prev request in frame: 260]
    [Prev response in frame: 303]
    [Request in frame: 367]
    [Request URI: http://gaia.cs.umass.edu/favicon.ico]
    File Data: 209 bytes
Line-based text data: text/html (7 lines)
    <!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">\n
    <html><head>\n
    <title>404 Not Found</title>\n
    </head><body>\n
    <h1>Not Found</h1>\n
    <p>The requested URL /favicon.ico was not found on this server.</p>\n
    </body></html>\n
No.     Time           Source                Destination           Protocol Length Info
    439 5.095527       10.122.205.2          10.3.9.45             DNS      78     Standard query 0x2399 A
edge.microsoft.com
Frame 439: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.033535000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.033535000 seconds
    [Time delta from previous captured frame: 0.003817000 seconds]
```

```
    [Time delta from previous displayed frame: 0.003817000 seconds]
    [Time since reference or first frame: 5.095527000 seconds]
    Frame Number: 439
    Frame Length: 78 bytes (624 bits)
    Capture Length: 78 bytes (624 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 64
    Identification: 0x8967 (35175)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 65439, Dst Port: 53
    Source Port: 65439
    Destination Port: 53
    Length: 44
    Checksum: 0xeae9 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 19]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (36 bytes)
Domain Name System (query)
    Transaction ID: 0x2399
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        edge.microsoft.com: type A, class IN
            Name: edge.microsoft.com
            [Name Length: 18]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 441]
No.     Time           Source                Destination           Protocol Length Info
    440 5.096238       10.122.205.2          10.3.9.45             DNS      78     Standard query 0x8e35 HTTPS
edge.microsoft.com
Frame 440: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
```

```
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.034246000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.034246000 seconds
    [Time delta from previous captured frame: 0.000711000 seconds]
    [Time delta from previous displayed frame: 0.000711000 seconds]
    [Time since reference or first frame: 5.096238000 seconds]
    Frame Number: 440
    Frame Length: 78 bytes (624 bits)
    Capture Length: 78 bytes (624 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 64
    Identification: 0x8968 (35176)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 65233, Dst Port: 53
    Source Port: 65233
    Destination Port: 53
    Length: 44
    Checksum: 0xeae9 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 20]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (36 bytes)
Domain Name System (query)
    Transaction ID: 0x8e35
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        edge.microsoft.com: type HTTPS, class IN
            Name: edge.microsoft.com
            [Name Length: 18]
            [Label Count: 3]
```

```
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 442]
No.     Time           Source                Destination           Protocol Length Info
    441 5.098385       10.3.9.45             10.122.205.2          DNS      181    Standard query response 0x2399 A
edge.microsoft.com CNAME edge-microsoft-com.dual-a-0036.a-msedge.net CNAME dual-a-0036.a-msedge.net A 204.79.197.239 A
13.107.21.239
Frame 441: 181 bytes on wire (1448 bits), 181 bytes captured (1448 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.036393000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.036393000 seconds
    [Time delta from previous captured frame: 0.002147000 seconds]
    [Time delta from previous displayed frame: 0.002147000 seconds]
    [Time since reference or first frame: 5.098385000 seconds]
    Frame Number: 441
    Frame Length: 181 bytes (1448 bits)
    Capture Length: 181 bytes (1448 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 167
    Identification: 0x6731 (26417)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2e69 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 65439
    Source Port: 53
    Destination Port: 65439
    Length: 147
    Checksum: 0x6866 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 19]
    [Timestamps]
        [Time since first frame: 0.002858000 seconds]
        [Time since previous frame: 0.002858000 seconds]
    UDP payload (139 bytes)
Domain Name System (response)
    Transaction ID: 0x2399
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
```

```
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 4
    Authority RRs: 0
    Additional RRs: 0
    Queries
        edge.microsoft.com: type A, class IN
            Name: edge.microsoft.com
            [Name Length: 18]
            [Label Count: 3]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        edge.microsoft.com: type CNAME, class IN, cname edge-microsoft-com.dual-a-0036.a-msedge.net
            Name: edge.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 1398 (23 minutes, 18 seconds)
            Data length: 45
            CNAME: edge-microsoft-com.dual-a-0036.a-msedge.net
        edge-microsoft-com.dual-a-0036.a-msedge.net: type CNAME, class IN, cname dual-a-0036.a-msedge.net
            Name: edge-microsoft-com.dual-a-0036.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 126 (2 minutes, 6 seconds)
            Data length: 2
            CNAME: dual-a-0036.a-msedge.net
        dual-a-0036.a-msedge.net: type A, class IN, addr 204.79.197.239
            Name: dual-a-0036.a-msedge.net
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 126 (2 minutes, 6 seconds)
            Data length: 4
            Address: 204.79.197.239
        dual-a-0036.a-msedge.net: type A, class IN, addr 13.107.21.239
            Name: dual-a-0036.a-msedge.net
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 126 (2 minutes, 6 seconds)
            Data length: 4
            Address: 13.107.21.239
    [Request In: 439]
    [Time: 0.002858000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    442 5.098385       10.3.9.45             10.122.205.2          DNS      196    Standard query response 0x8e35 HTTPS
edge.microsoft.com CNAME edge-microsoft-com.dual-a-0036.a-msedge.net CNAME dual-a-0036.a-msedge.net SOA ns1.a-msedge.net
Frame 442: 196 bytes on wire (1568 bits), 196 bytes captured (1568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.036393000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.036393000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.098385000 seconds]
    Frame Number: 442
    Frame Length: 196 bytes (1568 bits)
    Capture Length: 196 bytes (1568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 182
    Identification: 0x6732 (26418)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0x2e59 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 65233
    Source Port: 53
    Destination Port: 65233
    Length: 162
    Checksum: 0x8360 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 20]
    [Timestamps]
        [Time since first frame: 0.002147000 seconds]
        [Time since previous frame: 0.002147000 seconds]
    UDP payload (154 bytes)
Domain Name System (response)
    Transaction ID: 0x8e35
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        edge.microsoft.com: type HTTPS, class IN
            Name: edge.microsoft.com
            [Name Length: 18]
            [Label Count: 3]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        edge.microsoft.com: type CNAME, class IN, cname edge-microsoft-com.dual-a-0036.a-msedge.net
            Name: edge.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 1398 (23 minutes, 18 seconds)
            Data length: 45
            CNAME: edge-microsoft-com.dual-a-0036.a-msedge.net
        edge-microsoft-com.dual-a-0036.a-msedge.net: type CNAME, class IN, cname dual-a-0036.a-msedge.net
            Name: edge-microsoft-com.dual-a-0036.a-msedge.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 126 (2 minutes, 6 seconds)
            Data length: 2
            CNAME: dual-a-0036.a-msedge.net
    Authoritative nameservers
        a-msedge.net: type SOA, class IN, mname ns1.a-msedge.net
            Name: a-msedge.net
```

```
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 155 (2 minutes, 35 seconds)
            Data length: 35
            Primary name server: ns1.a-msedge.net
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 2016092901
            Refresh Interval: 1800 (30 minutes)
            Retry Interval: 900 (15 minutes)
            Expire limit: 2419200 (28 days)
            Minimum TTL: 240 (4 minutes)
    [Request In: 440]
    [Time: 0.002147000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    443 5.100716       10.122.205.2          204.79.197.239        TCP      66     61108 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 443: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.038724000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.038724000 seconds
    [Time delta from previous captured frame: 0.002331000 seconds]
    [Time delta from previous displayed frame: 0.002331000 seconds]
    [Time since reference or first frame: 5.100716000 seconds]
    Frame Number: 443
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x99a5 (39333)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 3760899781
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
```

```
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x69e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    444 5.132325       10.122.205.2          128.119.245.12        TCP      54     61099 → 80 [ACK] Seq=963 Ack=5346
Win=130560 Len=0
Frame 444: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.070333000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.070333000 seconds
    [Time delta from previous captured frame: 0.031609000 seconds]
    [Time delta from previous displayed frame: 0.031609000 seconds]
    [Time since reference or first frame: 5.132325000 seconds]
    Frame Number: 444
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x956e (38254)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 61099, Dst Port: 80, Seq: 963, Ack: 5346, Len: 0
    Source Port: 61099
    Destination Port: 80
    [Stream index: 9]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 963    (relative sequence number)
    Sequence Number (raw): 2697481817
    [Next Sequence Number: 963    (relative sequence number)]
    Acknowledgment Number: 5346    (relative ack number)
    Acknowledgment number (raw): 1283098948
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x4d1b [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.197551000 seconds]
        [Time since previous frame in this TCP stream: 0.040615000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 438]
        [The RTT to ACK the segment was: 0.040615000 seconds]
        [iRTT: 0.270431000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    445 5.135088       104.18.25.57          10.122.205.2          TLSv1.2  312    New Session Ticket, Change Cipher
Spec, Encrypted Handshake Message
Frame 445: 312 bytes on wire (2496 bits), 312 bytes captured (2496 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.073096000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.073096000 seconds
    [Time delta from previous captured frame: 0.002763000 seconds]
    [Time delta from previous displayed frame: 0.002763000 seconds]
    [Time since reference or first frame: 5.135088000 seconds]
```

```
    Frame Number: 445
    Frame Length: 312 bytes (2496 bits)
    Capture Length: 312 bytes (2496 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 298
    Identification: 0x3527 (13607)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbedf [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 5237, Ack: 611, Len: 258
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 258]
    Sequence Number: 5237    (relative sequence number)
    Sequence Number (raw): 3322542693
    [Next Sequence Number: 5495    (relative sequence number)]
    Acknowledgment Number: 611    (relative ack number)
    Acknowledgment number (raw): 2040624480
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x36e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.549146000 seconds]
        [Time since previous frame in this TCP stream: 0.180626000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 419]
        [The RTT to ACK the segment was: 0.180889000 seconds]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 258]
        [Bytes sent since last PSH flag: 258]
    TCP payload (258 bytes)
```

```
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: New Session Ticket
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 202
        Handshake Protocol: New Session Ticket
            Handshake Type: New Session Ticket (4)
            Length: 198
            TLS Session Ticket
                Session Ticket Lifetime Hint: 64800 seconds (18 hours)
                Session Ticket Length: 192
                Session Ticket: 0eb31326b07eeed75e159edb94c1a7c403371a884b3105b2433503c618b120fd41afc669…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    446 5.135088       104.18.25.57          10.122.205.2          TLSv1.2  123    Application Data
Frame 446: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.073096000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.073096000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.135088000 seconds]
    Frame Number: 446
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x3528 (13608)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbf9b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 5495, Ack: 611, Len: 69
    Source Port: 443
    Destination Port: 61105
```

```
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 69]
    Sequence Number: 5495    (relative sequence number)
    Sequence Number (raw): 3322542951
    [Next Sequence Number: 5564    (relative sequence number)]
    Acknowledgment Number: 611    (relative ack number)
    Acknowledgment number (raw): 2040624480
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x0ddb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.549146000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 327]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: 0000000000000001e8c3d341f78ea7d0263b4b5f088aceb98e1e1040929fa59bd1ad04d3…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    447 5.135257       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=1161 Ack=5564
Win=130816 Len=0
Frame 447: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.073265000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.073265000 seconds
    [Time delta from previous captured frame: 0.000169000 seconds]
    [Time delta from previous displayed frame: 0.000169000 seconds]
    [Time since reference or first frame: 5.135257000 seconds]
    Frame Number: 447
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
```

```
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf83e (63550)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1161, Ack: 5564, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1161    (relative sequence number)
    Sequence Number (raw): 2040625030
    [Next Sequence Number: 1161    (relative sequence number)]
    Acknowledgment Number: 5564    (relative ack number)
    Acknowledgment number (raw): 3322543020
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.549315000 seconds]
        [Time since previous frame in this TCP stream: 0.000169000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 446]
        [The RTT to ACK the segment was: 0.000169000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    448 5.135597       104.18.25.57          10.122.205.2          TCP      60     443 → 61105 [ACK] Seq=5564 Ack=1161
Win=65536 Len=0
Frame 448: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.073605000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.073605000 seconds
    [Time delta from previous captured frame: 0.000340000 seconds]
    [Time delta from previous displayed frame: 0.000340000 seconds]
    [Time since reference or first frame: 5.135597000 seconds]
    Frame Number: 448
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
```

```
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x3529 (13609)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbfdf [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 5564, Ack: 1161, Len: 0
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5564    (relative sequence number)
    Sequence Number (raw): 3322543020
    [Next Sequence Number: 5564    (relative sequence number)]
    Acknowledgment Number: 1161    (relative ack number)
    Acknowledgment number (raw): 2040625030
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xb3b9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.549655000 seconds]
        [Time since previous frame in this TCP stream: 0.000340000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 421]
        [The RTT to ACK the segment was: 0.181135000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    449 5.135600       10.122.205.2          104.18.25.57          TLSv1.2  92     Application Data
Frame 449: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.073608000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.073608000 seconds
    [Time delta from previous captured frame: 0.000003000 seconds]
    [Time delta from previous displayed frame: 0.000003000 seconds]
    [Time since reference or first frame: 5.135600000 seconds]
    Frame Number: 449
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0xf83f (63551)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1161, Ack: 5564, Len: 38
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 1161    (relative sequence number)
    Sequence Number (raw): 2040625030
    [Next Sequence Number: 1199    (relative sequence number)]
    Acknowledgment Number: 5564    (relative ack number)
    Acknowledgment number (raw): 3322543020
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x5908 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.549658000 seconds]
        [Time since previous frame in this TCP stream: 0.000003000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000035e17b3f7b2d64a4a1fb489531ff6c6884cc561f88ce6abce18
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    450 5.136872       104.18.25.57          10.122.205.2          TLSv1.2  92     Application Data
Frame 450: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.074880000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.074880000 seconds
    [Time delta from previous captured frame: 0.001272000 seconds]
    [Time delta from previous displayed frame: 0.001272000 seconds]
    [Time since reference or first frame: 5.136872000 seconds]
    Frame Number: 450
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x352a (13610)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbfb8 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 5564, Ack: 1161, Len: 38
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 5564    (relative sequence number)
    Sequence Number (raw): 3322543020
    [Next Sequence Number: 5602    (relative sequence number)]
    Acknowledgment Number: 1161    (relative ack number)
    Acknowledgment number (raw): 2040625030
```

```
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xde6d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.550930000 seconds]
        [Time since previous frame in this TCP stream: 0.001272000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000022485c87f8f8f0b67d28d7364c03eea160dc93e128aa397d534
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    451 5.176946       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=1199 Ack=5602
Win=130816 Len=0
Frame 451: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.114954000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.114954000 seconds
    [Time delta from previous captured frame: 0.040074000 seconds]
    [Time delta from previous displayed frame: 0.040074000 seconds]
    [Time since reference or first frame: 5.176946000 seconds]
    Frame Number: 451
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf840 (63552)
```

```
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1199, Ack: 5602, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1199    (relative sequence number)
    Sequence Number (raw): 2040625068
    [Next Sequence Number: 1199    (relative sequence number)]
    Acknowledgment Number: 5602    (relative ack number)
    Acknowledgment number (raw): 3322543058
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.591004000 seconds]
        [Time since previous frame in this TCP stream: 0.040074000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 450]
        [The RTT to ACK the segment was: 0.040074000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    452 5.180080       204.79.197.239        10.122.205.2          TCP      66     443 → 61108 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 452: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.118088000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.118088000 seconds
    [Time delta from previous captured frame: 0.003134000 seconds]
    [Time delta from previous displayed frame: 0.003134000 seconds]
    [Time since reference or first frame: 5.180080000 seconds]
    Frame Number: 452
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x5b86 (23430)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x4a82 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1925138113
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 3760899782
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0xb4b0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
```

```
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.079364000 seconds]
        [Time since previous frame in this TCP stream: 0.079364000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 443]
        [The RTT to ACK the segment was: 0.079364000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    453 5.180237       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 453: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.118245000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.118245000 seconds
    [Time delta from previous captured frame: 0.000157000 seconds]
    [Time delta from previous displayed frame: 0.000157000 seconds]
    [Time since reference or first frame: 5.180237000 seconds]
    Frame Number: 453
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99a6 (39334)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3760899782
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1925138114
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
```

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        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.079521000 seconds]
        [Time since previous frame in this TCP stream: 0.000157000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 452]
        [The RTT to ACK the segment was: 0.000157000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    454 5.180591       10.122.205.2          204.79.197.239        TLSv1.2  648    Client Hello
Frame 454: 648 bytes on wire (5184 bits), 648 bytes captured (5184 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.118599000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.118599000 seconds
    [Time delta from previous captured frame: 0.000354000 seconds]
    [Time delta from previous displayed frame: 0.000354000 seconds]
    [Time since reference or first frame: 5.180591000 seconds]
    Frame Number: 454
    Frame Length: 648 bytes (5184 bits)
    Capture Length: 648 bytes (5184 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 634
    Identification: 0x99a7 (39335)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 1, Ack: 1, Len: 594
    Source Port: 61108
    Destination Port: 443
```

```
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 594]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 3760899782
    [Next Sequence Number: 595    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1925138114
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6c28 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.079875000 seconds]
        [Time since previous frame in this TCP stream: 0.000354000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 594]
        [Bytes sent since last PSH flag: 594]
    TCP payload (594 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 589
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 585
            Version: TLS 1.2 (0x0303)
            Random: ccac649d9e1c9cb013cdc46efe14b8ba3ee99aac87017f0a9380ac80b2e35f77
                GMT Unix Time: Oct 24, 2078 23:13:33.000000000 中国标准时间
                Random Bytes: 9e1c9cb013cdc46efe14b8ba3ee99aac87017f0a9380ac80b2e35f77
            Session ID Length: 32
            Session ID: db16688d1400bc5caea926133a9c374ef06fc7d373bbf894b9e0c2a50c52fa44
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0x3a3a)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
            Extensions Length: 478
            Extension: Reserved (GREASE) (len=0)
                Type: Reserved (GREASE) (31354)
                Length: 0
                Data: <MISSING>
            Extension: status_request (len=5)
```

```
        Type: status_request (5)
        Length: 5
        Certificate Status Type: OCSP (1)
        Responder ID list Length: 0
        Request Extensions Length: 0
    Extension: session_ticket (len=276)
        Type: session_ticket (35)
        Length: 276
        Data (276 bytes)
    Extension: key_share (len=43)
        Type: key_share (51)
        Length: 43
        Key Share extension
            Client Key Share Length: 41
            Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                Group: Reserved (GREASE) (56026)
                Key Exchange Length: 1
                Key Exchange: 00
            Key Share Entry: Group: x25519, Key Exchange length: 32
                Group: x25519 (29)
                Key Exchange Length: 32
                Key Exchange: 00acfbce4a830ad8daeca87671f313172f2ef38427cb1ea40e86034e51208858
    Extension: server_name (len=23)
        Type: server_name (0)
        Length: 23
        Server Name Indication extension
            Server Name list length: 21
            Server Name Type: host_name (0)
            Server Name length: 18
            Server Name: edge.microsoft.com
    Extension: psk_key_exchange_modes (len=2)
        Type: psk_key_exchange_modes (45)
        Length: 2
        PSK Key Exchange Modes Length: 1
        PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
    Extension: extended_master_secret (len=0)
        Type: extended_master_secret (23)
        Length: 0
    Extension: ec_point_formats (len=2)
        Type: ec_point_formats (11)
        Length: 2
        EC point formats Length: 1
        Elliptic curves point formats (1)
            EC point format: uncompressed (0)
    Extension: compress_certificate (len=3)
        Type: compress_certificate (27)
        Length: 3
        Algorithms Length: 2
        Algorithm: brotli (2)
    Extension: signed_certificate_timestamp (len=0)
        Type: signed_certificate_timestamp (18)
        Length: 0
    Extension: signature_algorithms (len=18)
        Type: signature_algorithms (13)
        Length: 18
        Signature Hash Algorithms Length: 16
        Signature Hash Algorithms (8 algorithms)
            Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: SM2 (4)
            Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                Signature Hash Algorithm Hash: SHA256 (4)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: ECDSA (3)
            Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                Signature Hash Algorithm Hash: Unknown (8)
                Signature Hash Algorithm Signature: Unknown (5)
            Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                Signature Hash Algorithm Hash: SHA384 (5)
                Signature Hash Algorithm Signature: RSA (1)
            Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                Signature Hash Algorithm Hash: Unknown (8)
```

```
                        Signature Hash Algorithm Signature: Unknown (6)
                    Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                        Signature Hash Algorithm Hash: SHA512 (6)
                        Signature Hash Algorithm Signature: RSA (1)
            Extension: supported_groups (len=10)
                Type: supported_groups (10)
                Length: 10
                Supported Groups List Length: 8
                Supported Groups (4 groups)
                    Supported Group: Reserved (GREASE) (0xdada)
                    Supported Group: x25519 (0x001d)
                    Supported Group: secp256r1 (0x0017)
                    Supported Group: secp384r1 (0x0018)
            Extension: application_layer_protocol_negotiation (len=14)
                Type: application_layer_protocol_negotiation (16)
                Length: 14
                ALPN Extension Length: 12
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
                    ALPN string length: 8
                    ALPN Next Protocol: http/1.1
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            Extension: supported_versions (len=7)
                Type: supported_versions (43)
                Length: 7
                Supported Versions length: 6
                Supported Version: Reserved (GREASE) (0x4a4a)
                Supported Version: TLS 1.3 (0x0304)
                Supported Version: TLS 1.2 (0x0303)
            Extension: application_settings (len=5)
                Type: application_settings (17513)
                Length: 5
                ALPS Extension Length: 3
                Supported ALPN List
                    Supported ALPN Length: 2
                    Supported ALPN: h2
            Extension: Reserved (GREASE) (len=1)
                Type: Reserved (GREASE) (27242)
                Length: 1
                Data: 00
            [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,5-35-51-0-45-23-11-27-18-13-10-16-6
            [JA3: 1fa3bb6bd0f75b4ad77b6734703c1251]
No.     Time           Source                Destination           Protocol Length Info
    455 5.198884       20.189.173.15         10.122.205.2          TLSv1.2  105    Change Cipher Spec, Encrypted
Handshake Message
Frame 455: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.136892000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.136892000 seconds
    [Time delta from previous captured frame: 0.018293000 seconds]
    [Time delta from previous displayed frame: 0.018293000 seconds]
    [Time since reference or first frame: 5.198884000 seconds]
    Frame Number: 455
    Frame Length: 105 bytes (840 bits)
    Capture Length: 105 bytes (840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 20.189.173.15, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 91
    Identification: 0xca88 (51848)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 99
    Protocol: TCP (6)
    Header Checksum: 0xb3cb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 20.189.173.15
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61107, Seq: 6293, Ack: 676, Len: 51
    Source Port: 443
    Destination Port: 61107
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 51]
    Sequence Number: 6293    (relative sequence number)
    Sequence Number (raw): 1384949688
    [Next Sequence Number: 6344    (relative sequence number)]
    Acknowledgment Number: 676    (relative ack number)
    Acknowledgment number (raw): 827890007
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2048
    [Calculated window size: 524288]
    [Window size scaling factor: 256]
    Checksum: 0x925a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.555872000 seconds]
        [Time since previous frame in this TCP stream: 0.184231000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 432]
        [The RTT to ACK the segment was: 0.184231000 seconds]
        [iRTT: 0.183017000 seconds]
        [Bytes in flight: 51]
        [Bytes sent since last PSH flag: 51]
    TCP payload (51 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
```

```
    456 5.239264       10.122.205.2          20.189.173.15         TCP      54     61107 → 443 [ACK] Seq=676 Ack=6344
Win=131072 Len=0
Frame 456: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.177272000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.177272000 seconds
    [Time delta from previous captured frame: 0.040380000 seconds]
    [Time delta from previous displayed frame: 0.040380000 seconds]
    [Time since reference or first frame: 5.239264000 seconds]
    Frame Number: 456
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 20.189.173.15
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x947e (38014)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 20.189.173.15
Transmission Control Protocol, Src Port: 61107, Dst Port: 443, Seq: 676, Ack: 6344, Len: 0
    Source Port: 61107
    Destination Port: 443
    [Stream index: 17]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 676    (relative sequence number)
    Sequence Number (raw): 827890007
    [Next Sequence Number: 676    (relative sequence number)]
    Acknowledgment Number: 6344    (relative ack number)
    Acknowledgment number (raw): 1384949739
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
```

```
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9963 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.596252000 seconds]
        [Time since previous frame in this TCP stream: 0.040380000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 455]
        [The RTT to ACK the segment was: 0.040380000 seconds]
        [iRTT: 0.183017000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    457 5.260047       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=1 Ack=595
Win=4193536 Len=0
Frame 457: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.198055000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.198055000 seconds
    [Time delta from previous captured frame: 0.020783000 seconds]
    [Time delta from previous displayed frame: 0.020783000 seconds]
    [Time since reference or first frame: 5.260047000 seconds]
    Frame Number: 457
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b87 (23431)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x498d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 1, Ack: 595, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1925138114
    [Next Sequence Number: 1    (relative sequence number)]
```

```
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0xb2e6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.159331000 seconds]
        [Time since previous frame in this TCP stream: 0.079456000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 454]
        [The RTT to ACK the segment was: 0.079456000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    458 5.261593       204.79.197.239        10.122.205.2          TCP      1436   443 → 61108 [ACK] Seq=1 Ack=595
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 458: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.199601000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.199601000 seconds
    [Time delta from previous captured frame: 0.001546000 seconds]
    [Time delta from previous displayed frame: 0.001546000 seconds]
    [Time since reference or first frame: 5.261593000 seconds]
    Frame Number: 458
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x5b88 (23432)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
```

```
    Protocol: TCP (6)
    Header Checksum: 0x4426 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 1, Ack: 595, Len: 1382
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 1925138114
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x9e91 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.160877000 seconds]
        [Time since previous frame in this TCP stream: 0.001546000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 463]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    459 5.261593       204.79.197.239        10.122.205.2          TCP      1436   443 → 61108 [ACK] Seq=1383 Ack=595
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 459: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.199601000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.199601000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.261593000 seconds]
    Frame Number: 459
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x5b89 (23433)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4425 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 1383, Ack: 595, Len: 1382
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 1925139496
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x858d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.160877000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 463]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    460 5.261593       204.79.197.239        10.122.205.2          TCP      1436   443 → 61108 [ACK] Seq=2765 Ack=595
Win=4193536 Len=1382 [TCP segment of a reassembled PDU]
Frame 460: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.199601000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.199601000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.261593000 seconds]
    Frame Number: 460
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x5b8a (23434)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4424 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 2765, Ack: 595, Len: 1382
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 1925140878
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0xf7ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.160877000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
```

```
    [Reassembled PDU in frame: 463]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    461 5.261593       204.79.197.239        10.122.205.2          TCP      474    [TCP Previous segment not captured]
443 → 61108 [PSH, ACK] Seq=5529 Ack=595 Win=4193536 Len=420 [TCP segment of a reassembled PDU]
Frame 461: 474 bytes on wire (3792 bits), 474 bytes captured (3792 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.199601000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.199601000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.261593000 seconds]
    Frame Number: 461
    Frame Length: 474 bytes (3792 bits)
    Capture Length: 474 bytes (3792 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 460
    Identification: 0x5b8c (23436)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x47e4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5529, Ack: 595, Len: 420
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 420]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 1925143642
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x5b68 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.160877000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (420 bytes)
    [Reassembled PDU in frame: 463]
    TCP segment data (420 bytes)
No.     Time           Source                Destination           Protocol Length Info
    462 5.261814       10.122.205.2          204.79.197.239        TCP      66     61108 → 443 [ACK] Seq=595 Ack=4147
Win=131072 Len=0 SLE=5529 SRE=5949
Frame 462: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.199822000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.199822000 seconds
    [Time delta from previous captured frame: 0.000221000 seconds]
    [Time delta from previous displayed frame: 0.000221000 seconds]
    [Time since reference or first frame: 5.261814000 seconds]
    Frame Number: 462
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x99a8 (39336)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
```

```
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 595, Ack: 4147, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 595    (relative sequence number)
    Sequence Number (raw): 3760900376
    [Next Sequence Number: 595    (relative sequence number)]
    Acknowledgment Number: 4147    (relative ack number)
    Acknowledgment number (raw): 1925142260
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 5529-5949
            Kind: SACK (5)
            Length: 10
            left edge = 5529 (relative)
            right edge = 5949 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.161098000 seconds]
        [Time since previous frame in this TCP stream: 0.000221000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 460]
        [The RTT to ACK the segment was: 0.000221000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    463 5.263212       204.79.197.239        10.122.205.2          TCP      1436   [TCP Out-Of-Order] 443 → 61108 [ACK]
Seq=4147 Ack=595 Win=4193536 Len=1382
Frame 463: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.201220000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.201220000 seconds
    [Time delta from previous captured frame: 0.001398000 seconds]
    [Time delta from previous displayed frame: 0.001398000 seconds]
    [Time since reference or first frame: 5.263212000 seconds]
    Frame Number: 463
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x5b8b (23435)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4423 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 4147, Ack: 595, Len: 1382
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 1925142260
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 595    (relative ack number)
    Acknowledgment number (raw): 3760900376
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x6840 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.162496000 seconds]
        [Time since previous frame in this TCP stream: 0.001398000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 5528]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): This frame is a (suspected) out-of-order segment]
                [This frame is a (suspected) out-of-order segment]
                [Severity level: Warning]
                [Group: Sequence]
    TCP payload (1382 bytes)
    TCP segment data (1382 bytes)
[5 Reassembled TCP Segments (5948 bytes): #458(1382), #459(1382), #460(1382), #463(1382), #461(420)]
    [Frame: 458, payload: 0-1381 (1382 bytes)]
    [Frame: 459, payload: 1382-2763 (1382 bytes)]
    [Frame: 460, payload: 2764-4145 (1382 bytes)]
    [Frame: 463, payload: 4146-5527 (1382 bytes)]
    [Frame: 461, payload: 5528-5947 (420 bytes)]
    [Segment count: 5]
```

```
    [Reassembled TCP length: 5948]
    [Reassembled TCP Data: 16030317370200006603036401 86c1ec17a9a9906e418bef7d98745674e837e923e93240…]
No.     Time           Source                Destination           Protocol Length Info
    464 5.263322       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=595 Ack=5949
Win=131072 Len=0
Frame 464: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.201330000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.201330000 seconds
    [Time delta from previous captured frame: 0.000110000 seconds]
    [Time delta from previous displayed frame: 0.000110000 seconds]
    [Time since reference or first frame: 5.263322000 seconds]
    Frame Number: 464
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99a9 (39337)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 595, Ack: 5949, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 595    (relative sequence number)
    Sequence Number (raw): 3760900376
    [Next Sequence Number: 595    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
```

```
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.162606000 seconds]
        [Time since previous frame in this TCP stream: 0.000110000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 461]
        [The RTT to ACK the segment was: 0.001729000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    465 5.268030       10.122.205.2          204.79.197.239        TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 465: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206038000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206038000 seconds
    [Time delta from previous captured frame: 0.004708000 seconds]
    [Time delta from previous displayed frame: 0.004708000 seconds]
    [Time since reference or first frame: 5.268030000 seconds]
    Frame Number: 465
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x99aa (39338)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 595, Ack: 5949, Len: 158
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 158]
    Sequence Number: 595    (relative sequence number)
```

```
    Sequence Number (raw): 3760900376
    [Next Sequence Number: 753    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6a74 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.167314000 seconds]
        [Time since previous frame in this TCP stream: 0.004708000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    466 5.268271       10.122.205.2          204.79.197.239        TLSv1.2  159    Application Data
Frame 466: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206279000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206279000 seconds
    [Time delta from previous captured frame: 0.000241000 seconds]
    [Time delta from previous displayed frame: 0.000241000 seconds]
    [Time since reference or first frame: 5.268271000 seconds]
    Frame Number: 466
    Frame Length: 159 bytes (1272 bits)
    Capture Length: 159 bytes (1272 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 145
    Identification: 0x99ab (39339)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 753, Ack: 5949, Len: 105
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 105]
    Sequence Number: 753    (relative sequence number)
    Sequence Number (raw): 3760900534
    [Next Sequence Number: 858    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6a3f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.167555000 seconds]
        [Time since previous frame in this TCP stream: 0.000241000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 263]
        [Bytes sent since last PSH flag: 105]
    TCP payload (105 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 100
        Encrypted Application Data: 0000000000000001c0407810e4c3c9b9b9dc518e2aae2ca6f28ef4d3c3dc516ebbe0e7e2…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    467 5.268494       10.122.205.2          204.79.197.239        TCP      1436   61108 → 443 [ACK] Seq=858 Ack=5949
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 467: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
```

```
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206502000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206502000 seconds
    [Time delta from previous captured frame: 0.000223000 seconds]
    [Time delta from previous displayed frame: 0.000223000 seconds]
    [Time since reference or first frame: 5.268494000 seconds]
    Frame Number: 467
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x99ac (39340)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 858, Ack: 5949, Len: 1382
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 858    (relative sequence number)
    Sequence Number (raw): 3760900639
    [Next Sequence Number: 2240    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6f3c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.167778000 seconds]
        [Time since previous frame in this TCP stream: 0.000223000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 1645]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 468]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    468 5.268494       10.122.205.2          204.79.197.239        TLSv1.2  759    Application Data
Frame 468: 759 bytes on wire (6072 bits), 759 bytes captured (6072 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206502000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206502000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.268494000 seconds]
    Frame Number: 468
    Frame Length: 759 bytes (6072 bits)
    Capture Length: 759 bytes (6072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 745
    Identification: 0x99ad (39341)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 2240, Ack: 5949, Len: 705
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 705]
    Sequence Number: 2240    (relative sequence number)
    Sequence Number (raw): 3760902021
    [Next Sequence Number: 2945    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6c97 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.167778000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 2350]
        [Bytes sent since last PSH flag: 2087]
    TCP payload (705 bytes)
    TCP segment data (705 bytes)
[2 Reassembled TCP Segments (2087 bytes): #467(1382), #468(705)]
    [Frame: 467, payload: 0-1381 (1382 bytes)]
    [Frame: 468, payload: 1382-2086 (705 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 2087]
    [Reassembled TCP Data: 17030308220000000000000002c4d18c2ca5e7e02bda28b75019961b42e22f5d648b4fbe…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 2082
        Encrypted Application Data: 0000000000000002c4d18c2ca5e7e02bda28b75019961b42e22f5d648b4fbe64bdd348e4…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    469 5.268575       10.122.205.2          204.79.197.239        TCP      1436   61108 → 443 [ACK] Seq=2945 Ack=5949
Win=131072 Len=1382 [TCP segment of a reassembled PDU]
Frame 469: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206583000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206583000 seconds
    [Time delta from previous captured frame: 0.000081000 seconds]
    [Time delta from previous displayed frame: 0.000081000 seconds]
    [Time since reference or first frame: 5.268575000 seconds]
    Frame Number: 469
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
```

```
    Total Length: 1422
    Identification: 0x99ae (39342)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 2945, Ack: 5949, Len: 1382
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2945    (relative sequence number)
    Sequence Number (raw): 3760902726
    [Next Sequence Number: 4327    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6f3c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.167859000 seconds]
        [Time since previous frame in this TCP stream: 0.000081000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 3732]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 470]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    470 5.268575       10.122.205.2          204.79.197.239        TLSv1.2  380    Application Data
Frame 470: 380 bytes on wire (3040 bits), 380 bytes captured (3040 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.206583000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.206583000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.268575000 seconds]
    Frame Number: 470
    Frame Length: 380 bytes (3040 bits)
    Capture Length: 380 bytes (3040 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
```

```
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 366
    Identification: 0x99af (39343)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4327, Ack: 5949, Len: 326
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 326]
    Sequence Number: 4327    (relative sequence number)
    Sequence Number (raw): 3760904108
    [Next Sequence Number: 4653    (relative sequence number)]
    Acknowledgment Number: 5949    (relative ack number)
    Acknowledgment number (raw): 1925144062
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x6b1c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.167859000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 4058]
        [Bytes sent since last PSH flag: 1708]
    TCP payload (326 bytes)
    TCP segment data (326 bytes)
[2 Reassembled TCP Segments (1708 bytes): #469(1382), #470(326)]
    [Frame: 469, payload: 0-1381 (1382 bytes)]
    [Frame: 470, payload: 1382-1707 (326 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 1708]
    [Reassembled TCP Data: 17030306a700000000000000036583c5ee7a818fd53ec2af38da94d12328780bf70ba110…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
```

```
        Length: 1703
        Encrypted Application Data: 0000000000000036583c5ee7a818fd53ec2af38da94d12328780bf70ba110ed786631db…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    471 5.314894       104.18.25.57          10.122.205.2          TLSv1.2  904    Application Data
Frame 471: 904 bytes on wire (7232 bits), 904 bytes captured (7232 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.252902000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.252902000 seconds
    [Time delta from previous captured frame: 0.046319000 seconds]
    [Time delta from previous displayed frame: 0.046319000 seconds]
    [Time since reference or first frame: 5.314894000 seconds]
    Frame Number: 471
    Frame Length: 904 bytes (7232 bits)
    Capture Length: 904 bytes (7232 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 890
    Identification: 0x352b (13611)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbc8b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 5602, Ack: 1161, Len: 850
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 850]
    Sequence Number: 5602    (relative sequence number)
    Sequence Number (raw): 3322543058
    [Next Sequence Number: 6452    (relative sequence number)]
    Acknowledgment Number: 1161    (relative ack number)
    Acknowledgment number (raw): 2040625030
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0x3c19 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.728952000 seconds]
        [Time since previous frame in this TCP stream: 0.137948000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 850]
        [Bytes sent since last PSH flag: 850]
    TCP payload (850 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 845
        Encrypted Application Data: 0000000000000003e74abbb4bb166695e37f5cdea9b865ad1f12f16d492f21993f135776…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    472 5.314894       104.18.25.57          10.122.205.2          TLSv1.2  92     Application Data
Frame 472: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.252902000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.252902000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.314894000 seconds]
    Frame Number: 472
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x352c (13612)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbfb6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 6452, Ack: 1161, Len: 38
    Source Port: 443
```

```
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 6452    (relative sequence number)
    Sequence Number (raw): 3322543908
    [Next Sequence Number: 6490    (relative sequence number)]
    Acknowledgment Number: 1161    (relative ack number)
    Acknowledgment number (raw): 2040625030
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xd55d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.728952000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.180935000 seconds]
        [Bytes in flight: 888]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000004c1e474e17c8cbff7b716ee4f62968a4afe6f608d4e7ed68d29
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    473 5.315041       10.122.205.2          104.18.25.57          TCP      54     61105 → 443 [ACK] Seq=1199 Ack=6490
Win=129792 Len=0
Frame 473: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.253049000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.253049000 seconds
    [Time delta from previous captured frame: 0.000147000 seconds]
    [Time delta from previous displayed frame: 0.000147000 seconds]
    [Time since reference or first frame: 5.315041000 seconds]
    Frame Number: 473
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
```

```
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.18.25.57
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xf841 (63553)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.18.25.57
Transmission Control Protocol, Src Port: 61105, Dst Port: 443, Seq: 1199, Ack: 6490, Len: 0
    Source Port: 61105
    Destination Port: 443
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1199    (relative sequence number)
    Sequence Number (raw): 2040625068
    [Next Sequence Number: 1199    (relative sequence number)]
    Acknowledgment Number: 6490    (relative ack number)
    Acknowledgment number (raw): 3322543946
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 507
    [Calculated window size: 129792]
    [Window size scaling factor: 256]
    Checksum: 0x58e2 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.729099000 seconds]
        [Time since previous frame in this TCP stream: 0.000147000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 472]
        [The RTT to ACK the segment was: 0.000147000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    474 5.333626       10.122.205.2          10.3.9.45             DNS      96     Standard query 0x339f A
functional.events.data.microsoft.com
Frame 474: 96 bytes on wire (768 bits), 96 bytes captured (768 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.271634000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.271634000 seconds
    [Time delta from previous captured frame: 0.018585000 seconds]
    [Time delta from previous displayed frame: 0.018585000 seconds]
    [Time since reference or first frame: 5.333626000 seconds]
    Frame Number: 474
    Frame Length: 96 bytes (768 bits)
    Capture Length: 96 bytes (768 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 82
    Identification: 0x8969 (35177)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 56599, Dst Port: 53
    Source Port: 56599
    Destination Port: 53
    Length: 62
    Checksum: 0xeafb [unverified]
    [Checksum Status: Unverified]
    [Stream index: 21]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (54 bytes)
Domain Name System (query)
    Transaction ID: 0x339f
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        functional.events.data.microsoft.com: type A, class IN
            Name: functional.events.data.microsoft.com
            [Name Length: 36]
            [Label Count: 5]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    [Response In: 476]
No.     Time           Source                Destination           Protocol Length Info
    475 5.334527       10.122.205.2          10.3.9.45             DNS      96     Standard query 0x4dfc HTTPS
functional.events.data.microsoft.com
Frame 475: 96 bytes on wire (768 bits), 96 bytes captured (768 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
```

```
    Arrival Time: Mar  3, 2023 13:33:55.272535000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.272535000 seconds
    [Time delta from previous captured frame: 0.000901000 seconds]
    [Time delta from previous displayed frame: 0.000901000 seconds]
    [Time since reference or first frame: 5.334527000 seconds]
    Frame Number: 475
    Frame Length: 96 bytes (768 bits)
    Capture Length: 96 bytes (768 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 10.3.9.45
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 82
    Identification: 0x896a (35178)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 10.3.9.45
User Datagram Protocol, Src Port: 56119, Dst Port: 53
    Source Port: 56119
    Destination Port: 53
    Length: 62
    Checksum: 0xeafb [unverified]
    [Checksum Status: Unverified]
    [Stream index: 22]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (54 bytes)
Domain Name System (query)
    Transaction ID: 0x4dfc
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        functional.events.data.microsoft.com: type HTTPS, class IN
            Name: functional.events.data.microsoft.com
            [Name Length: 36]
            [Label Count: 5]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    [Response In: 477]
No.     Time           Source                Destination           Protocol Length Info
```

```
    476 5.336290       10.3.9.45             10.122.205.2          DNS      226    Standard query response 0x339f A
functional.events.data.microsoft.com CNAME global.asimov.events.data.trafficmanager.net CNAME
onedscolprdcus04.centralus.cloudapp.azure.com A 52.182.143.208
Frame 476: 226 bytes on wire (1808 bits), 226 bytes captured (1808 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.274298000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.274298000 seconds
    [Time delta from previous captured frame: 0.001763000 seconds]
    [Time delta from previous displayed frame: 0.001763000 seconds]
    [Time since reference or first frame: 5.336290000 seconds]
    Frame Number: 476
    Frame Length: 226 bytes (1808 bits)
    Capture Length: 226 bytes (1808 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 212
    Identification: 0xa293 (41619)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf2d9 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 56599
    Source Port: 53
    Destination Port: 56599
    Length: 192
    Checksum: 0x101f [unverified]
    [Checksum Status: Unverified]
    [Stream index: 21]
    [Timestamps]
        [Time since first frame: 0.002664000 seconds]
        [Time since previous frame: 0.002664000 seconds]
    UDP payload (184 bytes)
Domain Name System (response)
    Transaction ID: 0x339f
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
```

```
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 0
    Additional RRs: 0
    Queries
        functional.events.data.microsoft.com: type A, class IN
            Name: functional.events.data.microsoft.com
            [Name Length: 36]
            [Label Count: 5]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
    Answers
        functional.events.data.microsoft.com: type CNAME, class IN, cname global.asimov.events.data.trafficmanager.net
            Name: functional.events.data.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 230 (3 minutes, 50 seconds)
            Data length: 46
            CNAME: global.asimov.events.data.trafficmanager.net
        global.asimov.events.data.trafficmanager.net: type CNAME, class IN, cname
onedscolprdcus04.centralus.cloudapp.azure.com
            Name: global.asimov.events.data.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 21 (21 seconds)
            Data length: 44
            CNAME: onedscolprdcus04.centralus.cloudapp.azure.com
        onedscolprdcus04.centralus.cloudapp.azure.com: type A, class IN, addr 52.182.143.208
            Name: onedscolprdcus04.centralus.cloudapp.azure.com
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 21 (21 seconds)
            Data length: 4
            Address: 52.182.143.208
    [Request In: 474]
    [Time: 0.002664000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    477 5.336809       10.3.9.45             10.122.205.2          DNS      271    Standard query response 0x4dfc HTTPS
functional.events.data.microsoft.com CNAME global.asimov.events.data.trafficmanager.net CNAME
onedscolprdcus04.centralus.cloudapp.azure.com SOA ns1-201.azure-dns.com
Frame 477: 271 bytes on wire (2168 bits), 271 bytes captured (2168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.274817000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.274817000 seconds
    [Time delta from previous captured frame: 0.000519000 seconds]
    [Time delta from previous displayed frame: 0.000519000 seconds]
    [Time since reference or first frame: 5.336809000 seconds]
    Frame Number: 477
    Frame Length: 271 bytes (2168 bits)
    Capture Length: 271 bytes (2168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:dns]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.3.9.45, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
```

```
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 257
    Identification: 0xa294 (41620)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 58
    Protocol: UDP (17)
    Header Checksum: 0xf2ab [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.3.9.45
    Destination Address: 10.122.205.2
User Datagram Protocol, Src Port: 53, Dst Port: 56119
    Source Port: 53
    Destination Port: 56119
    Length: 237
    Checksum: 0x9091 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 22]
    [Timestamps]
        [Time since first frame: 0.002282000 seconds]
        [Time since previous frame: 0.002282000 seconds]
    UDP payload (229 bytes)
Domain Name System (response)
    Transaction ID: 0x4dfc
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 2
    Authority RRs: 1
    Additional RRs: 0
    Queries
        functional.events.data.microsoft.com: type HTTPS, class IN
            Name: functional.events.data.microsoft.com
            [Name Length: 36]
            [Label Count: 5]
            Type: HTTPS (HTTPS Specific Service Endpoints) (65)
            Class: IN (0x0001)
    Answers
        functional.events.data.microsoft.com: type CNAME, class IN, cname global.asimov.events.data.trafficmanager.net
            Name: functional.events.data.microsoft.com
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 230 (3 minutes, 50 seconds)
            Data length: 46
            CNAME: global.asimov.events.data.trafficmanager.net
        global.asimov.events.data.trafficmanager.net: type CNAME, class IN, cname
onedscolprdcus04.centralus.cloudapp.azure.com
            Name: global.asimov.events.data.trafficmanager.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 21 (21 seconds)
            Data length: 44
            CNAME: onedscolprdcus04.centralus.cloudapp.azure.com
    Authoritative nameservers
        centralus.cloudapp.azure.com: type SOA, class IN, mname ns1-201.azure-dns.com
            Name: centralus.cloudapp.azure.com
            Type: SOA (Start Of a zone of Authority) (6)
            Class: IN (0x0001)
            Time to live: 21 (21 seconds)
            Data length: 49
            Primary name server: ns1-201.azure-dns.com
            Responsible authority's mailbox: msnhst.microsoft.com
            Serial Number: 10001
            Refresh Interval: 900 (15 minutes)
```

```
            Retry Interval: 300 (5 minutes)
            Expire limit: 604800 (7 days)
            Minimum TTL: 60 (1 minute)
    [Request In: 475]
    [Time: 0.002282000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    478 5.338335       10.122.205.2          52.182.143.208        TCP      66     61109 → 443 [SYN] Seq=0 Win=64240
Len=0 MSS=1460 WS=256 SACK_PERM
Frame 478: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.276343000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.276343000 seconds
    [Time delta from previous captured frame: 0.001526000 seconds]
    [Time delta from previous displayed frame: 0.001526000 seconds]
    [Time since reference or first frame: 5.338335000 seconds]
    Frame Number: 478
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x4d4a (19786)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 0, Len: 0
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 4174016092
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x002 (SYN)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish request (SYN): server port 443]
                [Connection establish request (SYN): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ··********S·]
    Window: 64240
    [Calculated window size: 64240]
    Checksum: 0x9c29 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1460 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1460
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.000000000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    479 5.348171       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=5949 Ack=858
Win=4193280 Len=0
Frame 479: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286179000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286179000 seconds
    [Time delta from previous captured frame: 0.009836000 seconds]
    [Time delta from previous displayed frame: 0.009836000 seconds]
    [Time since reference or first frame: 5.348171000 seconds]
    Frame Number: 479
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b8d (23437)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4987 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 858, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 858    (relative ack number)
    Acknowledgment number (raw): 3760900639
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16380
    [Calculated window size: 4193280]
    [Window size scaling factor: 256]
    Checksum: 0x9aa4 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247455000 seconds]
        [Time since previous frame in this TCP stream: 0.079596000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 466]
        [The RTT to ACK the segment was: 0.079900000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    480 5.348171       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=5949 Ack=2240
Win=4194304 Len=0
Frame 480: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286179000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286179000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.348171000 seconds]
    Frame Number: 480
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b8e (23438)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4986 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 2240, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 2240    (relative ack number)
    Acknowledgment number (raw): 3760902021
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x953a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247455000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 467]
        [The RTT to ACK the segment was: 0.079677000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    481 5.348171       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=5949 Ack=2945
Win=4193536 Len=0
Frame 481: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
```

```
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286179000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286179000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.348171000 seconds]
    Frame Number: 481
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b8f (23439)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4985 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 2945, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 2945    (relative ack number)
    Acknowledgment number (raw): 3760902726
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0x927c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
```

```
        [Time since first frame in this TCP stream: 0.247455000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 468]
        [The RTT to ACK the segment was: 0.079677000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    482 5.348171       204.79.197.239        10.122.205.2          TCP      66     [TCP Dup ACK 481#1] 443 → 61108 [ACK]
Seq=5949 Ack=2945 Win=4193536 Len=0 SLE=4327 SRE=4653
Frame 482: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286179000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286179000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.348171000 seconds]
    Frame Number: 482
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0x5b90 (23440)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 107
    Protocol: TCP (6)
    Header Checksum: 0x4a78 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 2945, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 2945    (relative ack number)
    Acknowledgment number (raw): 3760902726
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16381
    [Calculated window size: 4193536]
    [Window size scaling factor: 256]
    Checksum: 0xeb6f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), SACK
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK 4327-4653
            Kind: SACK (5)
            Length: 10
            left edge = 4327 (relative)
            right edge = 4653 (relative)
            [TCP SACK Count: 1]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247455000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [TCP Analysis Flags]
            [This is a TCP duplicate ack]
        [Duplicate ACK #: 1]
        [Duplicate to the ACK in frame: 481]
            [Expert Info (Note/Sequence): Duplicate ACK (#1)]
                [Duplicate ACK (#1)]
                [Severity level: Note]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
    483 5.348171       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=5949 Ack=4653
Win=4194304 Len=0
Frame 483: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286179000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286179000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.348171000 seconds]
    Frame Number: 483
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b91 (23441)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4983 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 4653, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 5949    (relative sequence number)]
    Acknowledgment Number: 4653    (relative ack number)
    Acknowledgment number (raw): 3760904434
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x8bcd [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247455000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 470]
        [The RTT to ACK the segment was: 0.079596000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    484 5.348380       204.79.197.239        10.122.205.2          TLSv1.2  396    New Session Ticket, Change Cipher
Spec, Encrypted Handshake Message
Frame 484: 396 bytes on wire (3168 bits), 396 bytes captured (3168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286388000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286388000 seconds
    [Time delta from previous captured frame: 0.000209000 seconds]
    [Time delta from previous displayed frame: 0.000209000 seconds]
    [Time since reference or first frame: 5.348380000 seconds]
    Frame Number: 484
    Frame Length: 396 bytes (3168 bits)
    Capture Length: 396 bytes (3168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
```

```
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 382
    Identification: 0x5b92 (23442)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x482c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 5949, Ack: 4653, Len: 342
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 342]
    Sequence Number: 5949    (relative sequence number)
    Sequence Number (raw): 1925144062
    [Next Sequence Number: 6291    (relative sequence number)]
    Acknowledgment Number: 4653    (relative ack number)
    Acknowledgment number (raw): 3760904434
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x32ef [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247664000 seconds]
        [Time since previous frame in this TCP stream: 0.000209000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 342]
        [Bytes sent since last PSH flag: 5870]
    TCP payload (342 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: New Session Ticket
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 286
        Handshake Protocol: New Session Ticket
            Handshake Type: New Session Ticket (4)
            Length: 282
            TLS Session Ticket
```

```
                Session Ticket Lifetime Hint: 36000 seconds (10 hours)
                Session Ticket Length: 276
                Session Ticket: 00000000ff2e002e6f073c48aca54e821695f915c64d8e50ec69487b022a490046d92451…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    485 5.348380       204.79.197.239        10.122.205.2          TLSv1.2  123    Application Data
Frame 485: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286388000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286388000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.348380000 seconds]
    Frame Number: 485
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0x5b93 (23443)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x493c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6291, Ack: 4653, Len: 69
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 69]
    Sequence Number: 6291    (relative sequence number)
    Sequence Number (raw): 1925144404
    [Next Sequence Number: 6360    (relative sequence number)]
    Acknowledgment Number: 4653    (relative ack number)
    Acknowledgment number (raw): 3760904434
    0101 .... = Header Length: 20 bytes (5)
```

```
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x69f3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247664000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 411]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: 0000000000000016b48e5c03d0b414816de7e177b2f14b7b597636cdc814302399539b7…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    486 5.348435       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=4653 Ack=6360
Win=130816 Len=0
Frame 486: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286443000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286443000 seconds
    [Time delta from previous captured frame: 0.000055000 seconds]
    [Time delta from previous displayed frame: 0.000055000 seconds]
    [Time since reference or first frame: 5.348435000 seconds]
    Frame Number: 486
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99b0 (39344)
    010. .... = Flags: 0x2, Don't fragment
```

```
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4653, Ack: 6360, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4653    (relative sequence number)
    Sequence Number (raw): 3760904434
    [Next Sequence Number: 4653    (relative sequence number)]
    Acknowledgment Number: 6360    (relative ack number)
    Acknowledgment number (raw): 1925144473
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247719000 seconds]
        [Time since previous frame in this TCP stream: 0.000055000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 485]
        [The RTT to ACK the segment was: 0.000055000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    487 5.348666       10.122.205.2          204.79.197.239        TLSv1.2  92     Application Data
Frame 487: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.286674000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.286674000 seconds
    [Time delta from previous captured frame: 0.000231000 seconds]
    [Time delta from previous displayed frame: 0.000231000 seconds]
    [Time since reference or first frame: 5.348666000 seconds]
    Frame Number: 487
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x99b1 (39345)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4653, Ack: 6360, Len: 38
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 4653    (relative sequence number)
    Sequence Number (raw): 3760904434
    [Next Sequence Number: 4691    (relative sequence number)]
    Acknowledgment Number: 6360    (relative ack number)
    Acknowledgment number (raw): 1925144473
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x69fc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.247950000 seconds]
        [Time since previous frame in this TCP stream: 0.000231000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000040d39f821df6e37d8592caf43b99323302a9fcaf4a9eb7720fa
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    488 5.357075       104.18.25.57          10.122.205.2          TCP      60     443 → 61105 [ACK] Seq=6490 Ack=1199
Win=65536 Len=0
Frame 488: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
```

```
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.295083000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.295083000 seconds
    [Time delta from previous captured frame: 0.008409000 seconds]
    [Time delta from previous displayed frame: 0.008409000 seconds]
    [Time since reference or first frame: 5.357075000 seconds]
    Frame Number: 488
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.18.25.57, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x352d (13613)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xbfdb [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.18.25.57
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61105, Seq: 6490, Ack: 1199, Len: 0
    Source Port: 443
    Destination Port: 61105
    [Stream index: 15]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6490    (relative sequence number)
    Sequence Number (raw): 3322543946
    [Next Sequence Number: 6490    (relative sequence number)]
    Acknowledgment Number: 1199    (relative ack number)
    Acknowledgment number (raw): 2040625068
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 8
    [Calculated window size: 65536]
    [Window size scaling factor: 8192]
    Checksum: 0xaff5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.771133000 seconds]
```

```
        [Time since previous frame in this TCP stream: 0.042034000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 449]
        [The RTT to ACK the segment was: 0.221475000 seconds]
        [iRTT: 0.180935000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    489 5.429011       204.79.197.239        10.122.205.2          TLSv1.2  92     Application Data
Frame 489: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.367019000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.367019000 seconds
    [Time delta from previous captured frame: 0.071936000 seconds]
    [Time delta from previous displayed frame: 0.071936000 seconds]
    [Time since reference or first frame: 5.429011000 seconds]
    Frame Number: 489
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x5b94 (23444)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x495a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6360, Ack: 4653, Len: 38
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 6360    (relative sequence number)
    Sequence Number (raw): 1925144473
    [Next Sequence Number: 6398    (relative sequence number)]
    Acknowledgment Number: 4653    (relative ack number)
    Acknowledgment number (raw): 3760904434
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
```

```
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x76b1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.328295000 seconds]
        [Time since previous frame in this TCP stream: 0.080345000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000002047db9535240a1c8fef706fed0841baecedc5d8abc61c20a01
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    490 5.429011       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=6398 Ack=4691
Win=4194304 Len=0
Frame 490: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.367019000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.367019000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.429011000 seconds]
    Frame Number: 490
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b95 (23445)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x497f [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6398, Ack: 4691, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6398    (relative sequence number)
    Sequence Number (raw): 1925144511
    [Next Sequence Number: 6398    (relative sequence number)]
    Acknowledgment Number: 4691    (relative ack number)
    Acknowledgment number (raw): 3760904472
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x89e6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.328295000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 487]
        [The RTT to ACK the segment was: 0.080345000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    491 5.469154       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=4691 Ack=6398
Win=130816 Len=0
Frame 491: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.407162000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.407162000 seconds
    [Time delta from previous captured frame: 0.040143000 seconds]
    [Time delta from previous displayed frame: 0.040143000 seconds]
    [Time since reference or first frame: 5.469154000 seconds]
    Frame Number: 491
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99b2 (39346)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4691, Ack: 6398, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4691    (relative sequence number)
    Sequence Number (raw): 3760904472
    [Next Sequence Number: 4691    (relative sequence number)]
    Acknowledgment Number: 6398    (relative ack number)
    Acknowledgment number (raw): 1925144511
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 511
    [Calculated window size: 130816]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.368438000 seconds]
        [Time since previous frame in this TCP stream: 0.040143000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 489]
        [The RTT to ACK the segment was: 0.040143000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    492 5.552341       52.182.143.208        10.122.205.2          TCP      66     443 → 61109 [SYN, ACK] Seq=0 Ack=1
Win=65535 Len=0 MSS=1382 WS=256 SACK_PERM
Frame 492: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.490349000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.490349000 seconds
    [Time delta from previous captured frame: 0.083187000 seconds]
    [Time delta from previous displayed frame: 0.083187000 seconds]
    [Time since reference or first frame: 5.552341000 seconds]
    Frame Number: 492
    Frame Length: 66 bytes (528 bits)
    Capture Length: 66 bytes (528 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
```

```
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 52
    Identification: 0xec33 (60467)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x908d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 0, Ack: 1, Len: 0
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 2887959083
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 4174016093
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x012 (SYN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..1. = Syn: Set
            [Expert Info (Chat/Sequence): Connection establish acknowledge (SYN+ACK): server port 443]
                [Connection establish acknowledge (SYN+ACK): server port 443]
                [Severity level: Chat]
                [Group: Sequence]
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A··S·]
    Window: 65535
    [Calculated window size: 65535]
    Checksum: 0x0d64 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP),
SACK permitted
        TCP Option - Maximum segment size: 1382 bytes
            Kind: Maximum Segment Size (2)
            Length: 4
            MSS Value: 1382
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - Window scale: 8 (multiply by 256)
            Kind: Window Scale (3)
            Length: 3
            Shift count: 8
            [Multiplier: 256]
```

```
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - No-Operation (NOP)
            Kind: No-Operation (1)
        TCP Option - SACK permitted
            Kind: SACK Permitted (4)
            Length: 2
    [Timestamps]
        [Time since first frame in this TCP stream: 0.214006000 seconds]
        [Time since previous frame in this TCP stream: 0.214006000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 478]
        [The RTT to ACK the segment was: 0.214006000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    493 5.552511       10.122.205.2          52.182.143.208        TCP      54     61109 → 443 [ACK] Seq=1 Ack=1
Win=131072 Len=0
Frame 493: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.490519000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.490519000 seconds
    [Time delta from previous captured frame: 0.000170000 seconds]
    [Time delta from previous displayed frame: 0.000170000 seconds]
    [Time since reference or first frame: 5.552511000 seconds]
    Frame Number: 493
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x4d4b (19787)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 1, Ack: 1, Len: 0
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4174016093
    [Next Sequence Number: 1    (relative sequence number)]
```

```
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2887959084
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9c1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.214176000 seconds]
        [Time since previous frame in this TCP stream: 0.000170000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 492]
        [The RTT to ACK the segment was: 0.000170000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    494 5.553352       10.122.205.2          52.182.143.208        TLSv1.2  571    Client Hello
Frame 494: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.491360000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.491360000 seconds
    [Time delta from previous captured frame: 0.000841000 seconds]
    [Time delta from previous displayed frame: 0.000841000 seconds]
    [Time since reference or first frame: 5.553352000 seconds]
    Frame Number: 494
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0x4d4c (19788)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
```

```
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4174016093
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 2887959084
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9e22 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.215017000 seconds]
        [Time since previous frame in this TCP stream: 0.000841000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
    TCP payload (517 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Hello
        Content Type: Handshake (22)
        Version: TLS 1.0 (0x0301)
        Length: 512
        Handshake Protocol: Client Hello
            Handshake Type: Client Hello (1)
            Length: 508
            Version: TLS 1.2 (0x0303)
            Random: 7a387d10143890dd609a048e5a9cbc25af094c81e2f3ca94ebca85bdc0fb29d7
                GMT Unix Time: Dec 24, 2034 05:33:04.000000000 中国标准时间
                Random Bytes: 143890dd609a048e5a9cbc25af094c81e2f3ca94ebca85bdc0fb29d7
            Session ID Length: 32
            Session ID: 453f00007c1610f39d691f9a8e30e59c0b3d9364385cf9d986b73508c1498ceb
            Cipher Suites Length: 34
            Cipher Suites (17 suites)
                Cipher Suite: Reserved (GREASE) (0x8a8a)
                Cipher Suite: TLS_AES_128_GCM_SHA256 (0x1301)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_AES_256_GCM_SHA384 (0x1302)
                Cipher Suite: TLS_CHACHA20_POLY1305_SHA256 (0x1303)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 (0xc02b)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 (0xc02c)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
                Cipher Suite: TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca9)
                Cipher Suite: TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (0xcca8)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA (0xc013)
                Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA (0xc014)
                Cipher Suite: TLS_RSA_WITH_AES_128_GCM_SHA256 (0x009c)
                Cipher Suite: TLS_RSA_WITH_AES_256_GCM_SHA384 (0x009d)
                Cipher Suite: TLS_RSA_WITH_AES_128_CBC_SHA (0x002f)
                Cipher Suite: TLS_RSA_WITH_AES_256_CBC_SHA (0x0035)
            Compression Methods Length: 1
            Compression Methods (1 method)
                Compression Method: null (0)
```

```
        Extensions Length: 401
        Extension: Reserved (GREASE) (len=0)
            Type: Reserved (GREASE) (14906)
            Length: 0
            Data: <MISSING>
        Extension: psk_key_exchange_modes (len=2)
            Type: psk_key_exchange_modes (45)
            Length: 2
            PSK Key Exchange Modes Length: 1
            PSK Key Exchange Mode: PSK with (EC)DHE key establishment (psk_dhe_ke) (1)
        Extension: supported_versions (len=7)
            Type: supported_versions (43)
            Length: 7
            Supported Versions length: 6
            Supported Version: Reserved (GREASE) (0x1a1a)
            Supported Version: TLS 1.3 (0x0304)
            Supported Version: TLS 1.2 (0x0303)
        Extension: signed_certificate_timestamp (len=0)
            Type: signed_certificate_timestamp (18)
            Length: 0
        Extension: key_share (len=43)
            Type: key_share (51)
            Length: 43
            Key Share extension
                Client Key Share Length: 41
                Key Share Entry: Group: Reserved (GREASE), Key Exchange length: 1
                    Group: Reserved (GREASE) (47802)
                    Key Exchange Length: 1
                    Key Exchange: 00
                Key Share Entry: Group: x25519, Key Exchange length: 32
                    Group: x25519 (29)
                    Key Exchange Length: 32
                    Key Exchange: d048b6a48ef895d11bebdddb404070deb8842ff68f2426d73571be82210b2c41
        Extension: renegotiation_info (len=1)
            Type: renegotiation_info (65281)
            Length: 1
            Renegotiation Info extension
                Renegotiation info extension length: 0
        Extension: supported_groups (len=10)
            Type: supported_groups (10)
            Length: 10
            Supported Groups List Length: 8
            Supported Groups (4 groups)
                Supported Group: Reserved (GREASE) (0xbaba)
                Supported Group: x25519 (0x001d)
                Supported Group: secp256r1 (0x0017)
                Supported Group: secp384r1 (0x0018)
        Extension: signature_algorithms (len=18)
            Type: signature_algorithms (13)
            Length: 18
            Signature Hash Algorithms Length: 16
            Signature Hash Algorithms (8 algorithms)
                Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: ecdsa_secp384r1_sha384 (0x0503)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: ECDSA (3)
                Signature Algorithm: rsa_pss_rsae_sha384 (0x0805)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (5)
                Signature Algorithm: rsa_pkcs1_sha384 (0x0501)
                    Signature Hash Algorithm Hash: SHA384 (5)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Algorithm: rsa_pss_rsae_sha512 (0x0806)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: Unknown (6)
                Signature Algorithm: rsa_pkcs1_sha512 (0x0601)
                    Signature Hash Algorithm Hash: SHA512 (6)
                    Signature Hash Algorithm Signature: RSA (1)
        Extension: application_settings (len=5)
```

```
            Type: application_settings (17513)
            Length: 5
            ALPS Extension Length: 3
            Supported ALPN List
                Supported ALPN Length: 2
                Supported ALPN: h2
        Extension: status_request (len=5)
            Type: status_request (5)
            Length: 5
            Certificate Status Type: OCSP (1)
            Responder ID list Length: 0
            Request Extensions Length: 0
        Extension: server_name (len=41)
            Type: server_name (0)
            Length: 41
            Server Name Indication extension
                Server Name list length: 39
                Server Name Type: host_name (0)
                Server Name length: 36
                Server Name: functional.events.data.microsoft.com
        Extension: application_layer_protocol_negotiation (len=14)
            Type: application_layer_protocol_negotiation (16)
            Length: 14
            ALPN Extension Length: 12
            ALPN Protocol
                ALPN string length: 2
                ALPN Next Protocol: h2
                ALPN string length: 8
                ALPN Next Protocol: http/1.1
        Extension: ec_point_formats (len=2)
            Type: ec_point_formats (11)
            Length: 2
            EC point formats Length: 1
            Elliptic curves point formats (1)
                EC point format: uncompressed (0)
        Extension: compress_certificate (len=3)
            Type: compress_certificate (27)
            Length: 3
            Algorithms Length: 2
            Algorithm: brotli (2)
        Extension: extended_master_secret (len=0)
            Type: extended_master_secret (23)
            Length: 0
        Extension: session_ticket (len=0)
            Type: session_ticket (35)
            Length: 0
            Data (0 bytes)
        Extension: Reserved (GREASE) (len=1)
            Type: Reserved (GREASE) (39578)
            Length: 1
            Data: 00
        Extension: padding (len=177)
            Type: padding (21)
            Length: 177
            Padding Data: 0000000000000000000000000000000000000000000000000000000000000000000000000000…
        [JA3 Fullstring:
771,4865-4866-4866-4867-49195-49199-49196-49200-52393-52392-49171-49172-156-157-47-53,45-43-18-51-65281-10-13-17513-5-0-1
        [JA3: 28496e07fd9a46e3efaaf54128feb6e3]
No.     Time           Source                Destination           Protocol Length Info
    495 5.673123       10.122.205.2          40.90.184.73          TCP      571    [TCP Retransmission] 61104 → 443
[PSH, ACK] Seq=1 Ack=1 Win=131072 Len=517
Frame 495: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.611131000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.611131000 seconds
    [Time delta from previous captured frame: 0.119771000 seconds]
    [Time delta from previous displayed frame: 0.119771000 seconds]
    [Time since reference or first frame: 5.673123000 seconds]
    Frame Number: 495
    Frame Length: 571 bytes (4568 bits)
```

```
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xefb2 (61362)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xba3f [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.337593000 seconds]
        [Time since previous frame in this TCP stream: 0.615724000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
```

```
                [Group: Sequence]
            [The RTO for this segment was: 1.231792000 seconds]
            [RTO based on delta from frame: 296]
    TCP payload (517 bytes)
    Retransmitted TCP segment data (517 bytes)
No.     Time           Source                Destination           Protocol Length Info
    496 5.770555       52.182.143.208        10.122.205.2          TCP      1436   443 → 61109 [ACK] Seq=1 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 496: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708563000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708563000 seconds
    [Time delta from previous captured frame: 0.097432000 seconds]
    [Time delta from previous displayed frame: 0.097432000 seconds]
    [Time since reference or first frame: 5.770555000 seconds]
    Frame Number: 496
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xec34 (60468)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8b32 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 1, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 2887959084
    [Next Sequence Number: 1383    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4174016610
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x65a8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432220000 seconds]
        [Time since previous frame in this TCP stream: 0.217203000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 494]
        [The RTT to ACK the segment was: 0.217203000 seconds]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 500]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    497 5.770555       52.182.143.208        10.122.205.2          TCP      1436   443 → 61109 [ACK] Seq=1383 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 497: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708563000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708563000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.770555000 seconds]
    Frame Number: 497
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xec35 (60469)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8b31 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
```

```
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 1383, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 1383    (relative sequence number)
    Sequence Number (raw): 2887960466
    [Next Sequence Number: 2765    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4174016610
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x1dae [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432220000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 2764]
        [Bytes sent since last PSH flag: 2764]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 500]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    498 5.770555       52.182.143.208        10.122.205.2          TCP      1436   443 → 61109 [ACK] Seq=2765 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 498: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708563000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708563000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.770555000 seconds]
    Frame Number: 498
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xec36 (60470)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8b30 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 2765, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 2765    (relative sequence number)
    Sequence Number (raw): 2887961848
    [Next Sequence Number: 4147    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4174016610
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x695c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432220000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 4146]
        [Bytes sent since last PSH flag: 4146]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 500]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    499 5.770555       52.182.143.208        10.122.205.2          TCP      1436   443 → 61109 [ACK] Seq=4147 Ack=518
Win=524544 Len=1382 [TCP segment of a reassembled PDU]
Frame 499: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708563000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708563000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.770555000 seconds]
    Frame Number: 499
    Frame Length: 1436 bytes (11488 bits)
```

```
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xec37 (60471)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8b2f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 4147, Ack: 518, Len: 1382
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 4147    (relative sequence number)
    Sequence Number (raw): 2887963230
    [Next Sequence Number: 5529    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4174016610
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x1071 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432220000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 5528]
        [Bytes sent since last PSH flag: 5528]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 500]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
```

```
    500 5.770555       52.182.143.208        10.122.205.2          TLSv1.2  829    Server Hello, Certificate,
Certificate Status, Server Key Exchange, Server Hello Done
Frame 500: 829 bytes on wire (6632 bits), 829 bytes captured (6632 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708563000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708563000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.770555000 seconds]
    Frame Number: 500
    Frame Length: 829 bytes (6632 bits)
    Capture Length: 829 bytes (6632 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame [truncated]:
eth:ethertype:ip:tcp:tls:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:x509sat:tls:x509ce:x509ce:pkix1implicit:
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 815
    Identification: 0xec38 (60472)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8d8d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 5529, Ack: 518, Len: 775
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 775]
    Sequence Number: 5529    (relative sequence number)
    Sequence Number (raw): 2887964612
    [Next Sequence Number: 6304    (relative sequence number)]
    Acknowledgment Number: 518    (relative ack number)
    Acknowledgment number (raw): 4174016610
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
```

```
        [TCP Flags: ·····AP···]
    Window: 2049
    [Calculated window size: 524544]
    [Window size scaling factor: 256]
    Checksum: 0x2d80 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432220000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 6303]
        [Bytes sent since last PSH flag: 6303]
    TCP payload (775 bytes)
    TCP segment data (775 bytes)
[5 Reassembled TCP Segments (6303 bytes): #496(1382), #497(1382), #498(1382), #499(1382), #500(775)]
    [Frame: 496, payload: 0-1381 (1382 bytes)]
    [Frame: 497, payload: 1382-2763 (1382 bytes)]
    [Frame: 498, payload: 2764-4145 (1382 bytes)]
    [Frame: 499, payload: 4146-5527 (1382 bytes)]
    [Frame: 500, payload: 5528-6302 (775 bytes)]
    [Segment count: 5]
    [Reassembled TCP length: 6303]
    [Reassembled TCP Data: 160303189a0200005e0303640186c28c95680efcc1e6ed6609e919a0d4a5c07050f6491f…]
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Multiple Handshake Messages
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 6298
        Handshake Protocol: Server Hello
            Handshake Type: Server Hello (2)
            Length: 94
            Version: TLS 1.2 (0x0303)
            Random: 640186c28c95680efcc1e6ed6609e919a0d4a5c07050f6491f33d9f2f957358b
                GMT Unix Time: Mar  3, 2023 13:33:54.000000000 中国标准时间
                Random Bytes: 8c95680efcc1e6ed6609e919a0d4a5c07050f6491f33d9f2f957358b
            Session ID Length: 32
            Session ID: f2210000611edc8ea5b813c632d6976487ea5bc4408f3cf37f78b7ed65b1fd45
            Cipher Suite: TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (0xc030)
            Compression Method: null (0)
            Extensions Length: 22
            Extension: status_request (len=0)
                Type: status_request (5)
                Length: 0
            Extension: application_layer_protocol_negotiation (len=5)
                Type: application_layer_protocol_negotiation (16)
                Length: 5
                ALPN Extension Length: 3
                ALPN Protocol
                    ALPN string length: 2
                    ALPN Next Protocol: h2
            Extension: extended_master_secret (len=0)
                Type: extended_master_secret (23)
                Length: 0
            Extension: renegotiation_info (len=1)
                Type: renegotiation_info (65281)
                Length: 1
                Renegotiation Info extension
                    Renegotiation info extension length: 0
            [JA3S Fullstring: 771,49200,5-16-23-65281]
            [JA3S: 67bfe5d15ae567fb35fd7837f0116eec]
        Handshake Protocol: Certificate
            Handshake Type: Certificate (11)
            Length: 4042
            Certificates Length: 4039
            Certificates (4039 bytes)
                Certificate Length: 2506
                Certificate: 308209c6308207aea003020102021333007915199 8b455e53941fc14000000791519300d… (id-at-
commonName=*.events.data.microsoft.com,id-at-organizationName=Microsoft Corporation,id-at-localityName=Redmond,id-at-
stateOrProvinceName=WA,id-
                    signedCertificate
                        version: v3 (2)
                        serialNumber: 0x330079151998b455e53941fc14000000791519
                        signature (sha384WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
```

```
                        issuer: rdnSequence (0)
                            rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                RDNSequence item: 1 item (id-at-countryName=US)
                                    RelativeDistinguishedName item (id-at-countryName=US)
                                        Object Id: 2.5.4.6 (id-at-countryName)
                                        CountryName: US
                                RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                    RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                                        Object Id: 2.5.4.10 (id-at-organizationName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Corporation
                                RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                                    RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Azure TLS Issuing CA 02
                        validity
                            notBefore: utcTime (0)
                                utcTime: 2022-12-07 21:29:08 (UTC)
                            notAfter: utcTime (0)
                                utcTime: 2023-12-02 21:29:08 (UTC)
                        subject: rdnSequence (0)
                            rdnSequence: 5 items (id-at-commonName=*.events.data.microsoft.com,id-at-
organizationName=Microsoft Corporation,id-at-localityName=Redmond,id-at-stateOrProvinceName=WA,id-at-countryName=US)
                                RDNSequence item: 1 item (id-at-countryName=US)
                                    RelativeDistinguishedName item (id-at-countryName=US)
                                        Object Id: 2.5.4.6 (id-at-countryName)
                                        CountryName: US
                                RDNSequence item: 1 item (id-at-stateOrProvinceName=WA)
                                    RelativeDistinguishedName item (id-at-stateOrProvinceName=WA)
                                        Object Id: 2.5.4.8 (id-at-stateOrProvinceName)
                                        DirectoryString: printableString (1)
                                            printableString: WA
                                RDNSequence item: 1 item (id-at-localityName=Redmond)
                                    RelativeDistinguishedName item (id-at-localityName=Redmond)
                                        Object Id: 2.5.4.7 (id-at-localityName)
                                        DirectoryString: printableString (1)
                                            printableString: Redmond
                                RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                    RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                                        Object Id: 2.5.4.10 (id-at-organizationName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Corporation
                                RDNSequence item: 1 item (id-at-commonName=*.events.data.microsoft.com)
                                    RelativeDistinguishedName item (id-at-commonName=*.events.data.microsoft.com)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: uTF8String (4)
                                            uTF8String: *.events.data.microsoft.com
                        subjectPublicKeyInfo
                            algorithm (rsaEncryption)
                                Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                            subjectPublicKey: 3082010a0282010100cee4e36e4eb5f3b80521e7bfa0d3cc73ffca1f67c7f0a6eb19d42b…
                                modulus: 0x00cee4e36e4eb5f3b80521e7bfa0d3cc73ffca1f67c7f0a6eb19d42b2f2e947d0cd6ce63…
                                publicExponent: 65537
                        extensions: 12 items
                            Extension (SignedCertificateTimestampList)
                                Extension Id: 1.3.6.1.4.1.11129.2.4.2 (SignedCertificateTimestampList)
                                Serialized SCT List Length: 360
                                Signed Certificate Timestamp (Google 'Argon2023' log)
                                    Serialized SCT Length: 117
                                    SCT Version: 0
                                    Log ID: e83ed0da3ef5063532e75728bc896bc903d3cbd1116beceb69e1777d6d06bd6e
                                    Timestamp: Dec  7, 2022 21:39:11.448000000 UTC
                                    Extensions length: 0
                                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                                        Signature Hash Algorithm Hash: SHA256 (4)
                                        Signature Hash Algorithm Signature: ECDSA (3)
                                    Signature Length: 70
                                    Signature: 304402205b2ce695448f2d30c58cfe11069ae87129d976229c2c1a49af24997df6a76c0b…
                                Signed Certificate Timestamp (Cloudflare 'Nimbus2023' Log)
                                    Serialized SCT Length: 118
                                    SCT Version: 0
                                    Log ID: 7a328c54d8b72db620ea38e0521ee98416703213854d3bd22bc13a57a352eb52
                                    Timestamp: Dec  7, 2022 21:39:11.531000000 UTC
                                    Extensions length: 0
```

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                                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                                        Signature Hash Algorithm Hash: SHA256 (4)
                                        Signature Hash Algorithm Signature: ECDSA (3)
                                    Signature Length: 71
                                    Signature: 30450221008349e0c1260ee2fb9fc3036a0941f532df4d03413a73facd989def8196efcd…
                                Signed Certificate Timestamp (DigiCert Nessie2023 Log)
                                    Serialized SCT Length: 119
                                    SCT Version: 0
                                    Log ID: b3737707e18450f86386d605a9dc11094a792db1670c0b87dcf0030e7936a59a
                                    Timestamp: Dec  7, 2022 21:39:11.564000000 UTC
                                    Extensions length: 0
                                    Signature Algorithm: ecdsa_secp256r1_sha256 (0x0403)
                                        Signature Hash Algorithm Hash: SHA256 (4)
                                        Signature Hash Algorithm Signature: ECDSA (3)
                                    Signature Length: 72
                                    Signature: 30460221008f4b036aabac9c585a24580e1a540429ba736b736dd106589a69009bc06559…
                            Extension (id-ms-application-certificate-policies)
                                Extension Id: 1.3.6.1.4.1.311.21.10 (id-ms-application-certificate-policies)
                                CertificatePoliciesSyntax: 2 items
                                    PolicyInformation
                                        policyIdentifier: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                                    PolicyInformation
                                        policyIdentifier: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                            Extension (id-ms-certificate-template)
                                Extension Id: 1.3.6.1.4.1.311.21.7 (id-ms-certificate-template)
                                CertificateTemplate
                                    templateID:
1.3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.4272873.6083518 (iso.
3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.4272873.6083518)
                                    templateMajorVersion: 100
                                    templateMinorVersion: 37
                            Extension (id-pe-authorityInfoAccess)
                                Extension Id: 1.3.6.1.5.5.7.1.1 (id-pe-authorityInfoAccess)
                                AuthorityInfoAccessSyntax: 2 items
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.2 (id-ad-caIssuers)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://www.microsoft.com/pkiops/certs/
Microsoft%20Azure%20TLS%20Issuing%20CA%2002%20-%20xsign.crt
                                    AccessDescription
                                        accessMethod: 1.3.6.1.5.5.7.48.1 (id-ad-ocsp)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://oneocsp.microsoft.com/ocsp
                            Extension (id-ce-subjectKeyIdentifier)
                                Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                SubjectKeyIdentifier: ef88707e38418a9196abe7004da28a05f5a14ef5
                            Extension (id-ce-keyUsage)
                                Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                critical: True
                                Padding: 4
                                KeyUsage: b0
                                    1... .... = digitalSignature: True
                                    .0.. .... = contentCommitment: False
                                    ..1. .... = keyEncipherment: True
                                    ...1 .... = dataEncipherment: True
                                    .... 0... = keyAgreement: False
                                    .... .0.. = keyCertSign: False
                                    .... ..0. = cRLSign: False
                                    .... ...0 = encipherOnly: False
                                    0... .... = decipherOnly: False
                            Extension (id-ce-subjectAltName)
                                Extension Id: 2.5.29.17 (id-ce-subjectAltName)
                                GeneralNames: 15 items
                                    GeneralName: dNSName (2)
                                        dNSName: *.events.data.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: events.data.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.pipe.aria.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: pipe.skype.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.pipe.skype.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.mobile.events.data.microsoft.com
                                    GeneralName: dNSName (2)
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                                        dNSName: mobile.events.data.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.events.data.msn.com
                                    GeneralName: dNSName (2)
                                        dNSName: events.data.msn.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.events.data.msn.cn
                                    GeneralName: dNSName (2)
                                        dNSName: events.data.msn.cn
                                    GeneralName: dNSName (2)
                                        dNSName: oca.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: watson.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: *.vortex.data.microsoft.com
                                    GeneralName: dNSName (2)
                                        dNSName: vortex.data.microsoft.com
                                Extension (id-ce-basicConstraints)
                                    Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                    critical: True
                                    BasicConstraintsSyntax [0 length]
                                Extension (id-ce-cRLDistributionPoints)
                                    Extension Id: 2.5.29.31 (id-ce-cRLDistributionPoints)
                                    CRLDistPointsSyntax: 1 item
                                        DistributionPoint
                                            distributionPoint: fullName (0)
                                                fullName: 1 item
                                                    GeneralName: uniformResourceIdentifier (6)
                                                        uniformResourceIdentifier: http://www.microsoft.com/pkiops/crl/
Microsoft%20Azure%20TLS%20Issuing%20CA%2002.crl
                                Extension (id-ce-certificatePolicies)
                                    Extension Id: 2.5.29.32 (id-ce-certificatePolicies)
                                    CertificatePoliciesSyntax: 2 items
                                        PolicyInformation
                                            policyIdentifier: 1.3.6.1.4.1.311.76.509.1.1 (iso.3.6.1.4.1.311.76.509.1.1)
                                            policyQualifiers: 1 item
                                                PolicyQualifierInfo
                                                    Id: 1.3.6.1.5.5.7.2.1 (id-qt-cps)
                                                    DirectoryString: http://www.microsoft.com/pkiops/Docs/Repository.htm
                                        PolicyInformation
                                            policyIdentifier: 2.23.140.1.2.2 (joint-iso-itu-t.23.140.1.2.2)
                                Extension (id-ce-authorityKeyIdentifier)
                                    Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                    AuthorityKeyIdentifier
                                        keyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                                Extension (id-ce-extKeyUsage)
                                    Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                    KeyPurposeIDs: 2 items
                                        KeyPurposeId: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                                        KeyPurposeId: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                            algorithmIdentifier (sha384WithRSAEncryption)
                                Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                            Padding: 0
                            encrypted: 0de5c1cfc8a8494526823135520982294732 53e4c4b9305c67f0b9086550d7cc76b28cf5…
                        Certificate Length: 1527
                        Certificate: 308205f3308204dba00302010202100c6ae97cced599838690a00a9ea53214300d06092a… (id-at-
commonName=Microsoft Azure TLS Issuing CA 02,id-at-organizationName=Microsoft Corporation,id-at-countryName=US)
                            signedCertificate
                                version: v3 (2)
                                serialNumber: 0x0c6ae97cced599838690a00a9ea53214
                                signature (sha384WithRSAEncryption)
                                    Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                issuer: rdnSequence (0)
                                    rdnSequence: 4 items (id-at-commonName=DigiCert Global Root G2,id-at-
organizationalUnitName=www.digicert.com,id-at-organizationName=DigiCert Inc,id-at-countryName=US)
                                    RDNSequence item: 1 item (id-at-countryName=US)
                                        RelativeDistinguishedName item (id-at-countryName=US)
                                            Object Id: 2.5.4.6 (id-at-countryName)
                                            CountryName: US
                                    RDNSequence item: 1 item (id-at-organizationName=DigiCert Inc)
                                        RelativeDistinguishedName item (id-at-organizationName=DigiCert Inc)
                                            Object Id: 2.5.4.10 (id-at-organizationName)
                                            DirectoryString: printableString (1)
                                                printableString: DigiCert Inc
                                    RDNSequence item: 1 item (id-at-organizationalUnitName=www.digicert.com)
                                        RelativeDistinguishedName item (id-at-organizationalUnitName=www.digicert.com)
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                                        Object Id: 2.5.4.11 (id-at-organizationalUnitName)
                                        DirectoryString: printableString (1)
                                            printableString: www.digicert.com
                                    RDNSequence item: 1 item (id-at-commonName=DigiCert Global Root G2)
                                        RelativeDistinguishedName item (id-at-commonName=DigiCert Global Root G2)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: printableString (1)
                                            printableString: DigiCert Global Root G2
                            validity
                                notBefore: utcTime (0)
                                    utcTime: 2020-07-29 12:30:00 (UTC)
                                notAfter: utcTime (0)
                                    utcTime: 2024-06-27 23:59:59 (UTC)
                            subject: rdnSequence (0)
                                rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                    RDNSequence item: 1 item (id-at-countryName=US)
                                        RelativeDistinguishedName item (id-at-countryName=US)
                                        Object Id: 2.5.4.6 (id-at-countryName)
                                        CountryName: US
                                    RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                        RelativeDistinguishedName item (id-at-organizationName=Microsoft Corporation)
                                        Object Id: 2.5.4.10 (id-at-organizationName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Corporation
                                    RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                                        RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS Issuing CA 02)
                                        Object Id: 2.5.4.3 (id-at-commonName)
                                        DirectoryString: printableString (1)
                                            printableString: Microsoft Azure TLS Issuing CA 02
                            subjectPublicKeyInfo
                                algorithm (rsaEncryption)
                                    Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                                subjectPublicKey: 3082020a0282020100e0623b52ba164e1f1c8eadde6264a60ee5c6879480bf2dcfdc2e23…
                                    modulus: 0x00e0623b52ba164e1f1c8eadde6264a60ee5c6879480bf2dcfdc2e236cf452063cbc5ada…
                                    publicExponent: 65537
                            extensions: 9 items
                                Extension (id-ce-subjectKeyIdentifier)
                                    Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                    SubjectKeyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                                Extension (id-ce-authorityKeyIdentifier)
                                    Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                    AuthorityKeyIdentifier
                                        keyIdentifier: 4e2254201895e6e36ee60ffafab912ed06178f39
                                Extension (id-ce-keyUsage)
                                    Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                    critical: True
                                    Padding: 1
                                    KeyUsage: 86
                                        1... .... = digitalSignature: True
                                        .0.. .... = contentCommitment: False
                                        ..0. .... = keyEncipherment: False
                                        ...0 .... = dataEncipherment: False
                                        .... 0... = keyAgreement: False
                                        .... .1.. = keyCertSign: True
                                        .... ..1. = cRLSign: True
                                        .... ...0 = encipherOnly: False
                                        0... .... = decipherOnly: False
                                Extension (id-ce-extKeyUsage)
                                    Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                    KeyPurposeIDs: 2 items
                                        KeyPurposeId: 1.3.6.1.5.5.7.3.1 (id-kp-serverAuth)
                                        KeyPurposeId: 1.3.6.1.5.5.7.3.2 (id-kp-clientAuth)
                                Extension (id-ce-basicConstraints)
                                    Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                    critical: True
                                    BasicConstraintsSyntax
                                        cA: True
                                        pathLenConstraint: 0
                                Extension (id-pe-authorityInfoAccess)
                                    Extension Id: 1.3.6.1.5.5.7.1.1 (id-pe-authorityInfoAccess)
                                    AuthorityInfoAccessSyntax: 2 items
                                        AccessDescription
                                            accessMethod: 1.3.6.1.5.5.7.48.1 (id-ad-ocsp)
                                            accessLocation: 6
                                                uniformResourceIdentifier: http://ocsp.digicert.com
                                        AccessDescription
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                                        accessMethod: 1.3.6.1.5.5.7.48.2 (id-ad-caIssuers)
                                        accessLocation: 6
                                            uniformResourceIdentifier: http://cacerts.digicert.com/
DigiCertGlobalRootG2.crt
                            Extension (id-ce-cRLDistributionPoints)
                                Extension Id: 2.5.29.31 (id-ce-cRLDistributionPoints)
                                CRLDistPointsSyntax: 2 items
                                    DistributionPoint
                                        distributionPoint: fullName (0)
                                            fullName: 1 item
                                                GeneralName: uniformResourceIdentifier (6)
                                                    uniformResourceIdentifier: http://crl3.digicert.com/
DigiCertGlobalRootG2.crl
                                    DistributionPoint
                                        distributionPoint: fullName (0)
                                            fullName: 1 item
                                                GeneralName: uniformResourceIdentifier (6)
                                                    uniformResourceIdentifier: http://crl4.digicert.com/
DigiCertGlobalRootG2.crl
                            Extension (id-ce-certificatePolicies)
                                Extension Id: 2.5.29.32 (id-ce-certificatePolicies)
                                CertificatePoliciesSyntax: 2 items
                                    PolicyInformation
                                        policyIdentifier: 2.23.140.1.2.1 (joint-iso-itu-t.23.140.1.2.1)
                                    PolicyInformation
                                        policyIdentifier: 2.23.140.1.2.2 (joint-iso-itu-t.23.140.1.2.2)
                            Extension (id-ms-ca-version)
                                Extension Id: 1.3.6.1.4.1.311.21.1 (id-ms-ca-version)
                                Integer: 0
                    algorithmIdentifier (sha384WithRSAEncryption)
                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                    Padding: 0
                    encrypted: 33a3f29d9963cf4da60b416ec9e43ab1122053f50c981947de65ded3475f37ec7e834a41…
        Handshake Protocol: Certificate Status
            Handshake Type: Certificate Status (22)
            Length: 1781
            Certificate Status Type: OCSP (1)
            OCSP Response Length: 1777
            OCSP Response
                responseStatus: successful (0)
                responseBytes
                    ResponseType Id: 1.3.6.1.5.5.7.48.1.1 (id-pkix-ocsp-basic)
                    BasicOCSPResponse
                        tbsResponseData
                            responderID: byKey (2)
                                byKey: e3c34a1d68083055ddd1b889373b53bc6077fe4b
                            producedAt: Feb 28, 2023 23:58:29.000000000 中国标准时间
                            responses: 1 item
                                SingleResponse
                                    certID
                                        hashAlgorithm (SHA-1)
                                            Algorithm Id: 1.3.14.3.2.26 (SHA-1)
                                        issuerNameHash: 52feca108db4e5ab5268930d27c82ff215e24bb5
                                        issuerKeyHash: 00ab91fc216226979aa8791b61419060a96267fd
                                        serialNumber: 0x330079151998b455e53941fc14000000791519
                                    certStatus: good (0)
                                        good
                                    thisUpdate: Feb 28, 2023 22:14:10.000000000 中国标准时间
                                    nextUpdate: Mar  6, 2023 23:50:12.000000000 中国标准时间
                                    singleExtensions: 1 item
                                        Extension
                                            Id: 1.3.6.1.4.1.311.21.4 (id-ms-next-publish)
                                            UTCTime: 2023-03-05 14:24:10 (UTC)
                        signatureAlgorithm (sha256WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.11 (sha256WithRSAEncryption)
                        Padding: 0
                        signature: ac2fe10e91d174ce0980e453e5d1514070e4a096913453ceeee45f541a3805119805a517…
                        certs: 1 item
                            Certificate (id-at-commonName=AzureCA02 OCSP Cert)
                                signedCertificate
                                    version: v3 (2)
                                    serialNumber: 0x330094980fb2f22425aaabff5b00000094980f
                                    signature (sha384WithRSAEncryption)
                                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                    issuer: rdnSequence (0)
```

```
                                        rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                            RDNSequence item: 1 item (id-at-countryName=US)
                                                RelativeDistinguishedName item (id-at-countryName=US)
                                                    Object Id: 2.5.4.6 (id-at-countryName)
                                                    CountryName: US
                                            RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                                RelativeDistinguishedName item (id-at-organizationName=Microsoft
Corporation)
                                                    Object Id: 2.5.4.10 (id-at-organizationName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Corporation
                                            RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA
02)
                                                RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS
Issuing CA 02)
                                                    Object Id: 2.5.4.3 (id-at-commonName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Azure TLS Issuing CA 02
                                    validity
                                        notBefore: utcTime (0)
                                            utcTime: 2023-02-27 15:50:12 (UTC)
                                        notAfter: utcTime (0)
                                            utcTime: 2023-03-06 15:50:12 (UTC)
                                    subject: rdnSequence (0)
                                        rdnSequence: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
                                            RDNSequence item: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
                                                RelativeDistinguishedName item (id-at-commonName=AzureCA02 OCSP Cert)
                                                    Object Id: 2.5.4.3 (id-at-commonName)
                                                    DirectoryString: printableString (1)
                                                        printableString: AzureCA02 OCSP Cert
                                    subjectPublicKeyInfo
                                        algorithm (rsaEncryption)
                                            Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                                        subjectPublicKey:
3082010a0282010100cfbabd181ad04bd0f4743b1258c86481f56a146605f6f4e07cd757…
                                            modulus:
0x00cfbabd181ad04bd0f4743b1258c86481f56a146605f6f4e07cd757e2c2d72c1247ff5d…
                                            publicExponent: 65537
                                    extensions: 8 items
                                        Extension (id-ce-basicConstraints)
                                            Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                            critical: True
                                            BasicConstraintsSyntax [0 length]
                                        Extension (id-ce-extKeyUsage)
                                            Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                            KeyPurposeIDs: 1 item
                                                KeyPurposeId: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                        Extension (id-ce-subjectKeyIdentifier)
                                            Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                            SubjectKeyIdentifier: e3c34a1d68083055ddd1b889373b53bc6077fe4b
                                        Extension (id-ce-authorityKeyIdentifier)
                                            Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                            AuthorityKeyIdentifier
                                                keyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                                        Extension (id-ce-keyUsage)
                                            Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                            critical: True
                                            Padding: 7
                                            KeyUsage: 80
                                                1... .... = digitalSignature: True
                                                .0.. .... = contentCommitment: False
                                                ..0. .... = keyEncipherment: False
                                                ...0 .... = dataEncipherment: False
                                                .... 0... = keyAgreement: False
                                                .... .0.. = keyCertSign: False
                                                .... ..0. = cRLSign: False
                                                .... ...0 = encipherOnly: False
                                                0... .... = decipherOnly: False
                                        Extension (id-ms-certificate-template)
                                            Extension Id: 1.3.6.1.4.1.311.21.7 (id-ms-certificate-template)
                                            CertificateTemplate
                                                templateID:
1.3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759 (iso.
3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759)
```

```
                                                templateMajorVersion: 100
                                                templateMinorVersion: 21
                                            Extension (id-ms-application-certificate-policies)
                                                Extension Id: 1.3.6.1.4.1.311.21.10 (id-ms-application-certificate-policies)
                                                CertificatePoliciesSyntax: 1 item
                                                    PolicyInformation
                                                        policyIdentifier: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                            Extension (id-pkix-ocsp-nocheck)
                                                Extension Id: 1.3.6.1.5.5.7.48.1.5 (id-pkix-ocsp-nocheck)
                                                NULL
                                    algorithmIdentifier (sha384WithRSAEncryption)
                                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                    Padding: 0
                                    encrypted: 90249fba0a9b6a3f058396f445e34ab097d810a34f03327b8d8befcdbcd082e7b9afc75c…
        Handshake Protocol: Server Key Exchange
            Handshake Type: Server Key Exchange (12)
            Length: 361
            EC Diffie-Hellman Server Params
                Curve Type: named_curve (0x03)
                Named Curve: secp384r1 (0x0018)
                Pubkey Length: 97
                Pubkey: 049901fe27a8a8bd7c58b274bfc3db06b9ccec7f1632eb05da87e17cbae625586d6d2f1d…
                Signature Algorithm: rsa_pkcs1_sha256 (0x0401)
                    Signature Hash Algorithm Hash: SHA256 (4)
                    Signature Hash Algorithm Signature: RSA (1)
                Signature Length: 256
                Signature: 2d50a08312b7faeecb3bc66e3e6ddbc6479f7b400f0fc2bd9f9820ec088eb951d80ade38…
        Handshake Protocol: Server Hello Done
            Handshake Type: Server Hello Done (14)
            Length: 0
No.     Time           Source                Destination           Protocol Length Info
    501 5.770717       10.122.205.2          52.182.143.208        TCP      54     61109 → 443 [ACK] Seq=518 Ack=6304
Win=131072 Len=0
Frame 501: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.708725000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.708725000 seconds
    [Time delta from previous captured frame: 0.000162000 seconds]
    [Time delta from previous displayed frame: 0.000162000 seconds]
    [Time since reference or first frame: 5.770717000 seconds]
    Frame Number: 501
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x4d4d (19789)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
```

```
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 518, Ack: 6304, Len: 0
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 4174016610
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 6304    (relative ack number)
    Acknowledgment number (raw): 2887965387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9c1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.432382000 seconds]
        [Time since previous frame in this TCP stream: 0.000162000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 500]
        [The RTT to ACK the segment was: 0.000162000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    502 5.773834       10.122.205.2          52.182.143.208        TLSv1.2  212    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 502: 212 bytes on wire (1696 bits), 212 bytes captured (1696 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.711842000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.711842000 seconds
    [Time delta from previous captured frame: 0.003117000 seconds]
    [Time delta from previous displayed frame: 0.003117000 seconds]
    [Time since reference or first frame: 5.773834000 seconds]
    Frame Number: 502
    Frame Length: 212 bytes (1696 bits)
    Capture Length: 212 bytes (1696 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 198
    Identification: 0x4d4e (19790)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 518, Ack: 6304, Len: 158
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 158]
    Sequence Number: 518    (relative sequence number)
    Sequence Number (raw): 4174016610
    [Next Sequence Number: 676    (relative sequence number)]
    Acknowledgment Number: 6304    (relative ack number)
    Acknowledgment number (raw): 2887965387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9cbb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.435499000 seconds]
        [Time since previous frame in this TCP stream: 0.003117000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 158]
        [Bytes sent since last PSH flag: 158]
    TCP payload (158 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 102
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 98
            EC Diffie-Hellman Client Params
                Pubkey Length: 97
                Pubkey: 04b929aaa002c1bf6d6fdc51cba3727fa14185970abab9c4a4d0e3e63fff8c3b8a09bd8b…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
```

```
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    503 5.773994       10.122.205.2          52.182.143.208        TLSv1.2  159    Application Data
Frame 503: 159 bytes on wire (1272 bits), 159 bytes captured (1272 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.712002000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.712002000 seconds
    [Time delta from previous captured frame: 0.000160000 seconds]
    [Time delta from previous displayed frame: 0.000160000 seconds]
    [Time since reference or first frame: 5.773994000 seconds]
    Frame Number: 503
    Frame Length: 159 bytes (1272 bits)
    Capture Length: 159 bytes (1272 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 145
    Identification: 0x4d4f (19791)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 676, Ack: 6304, Len: 105
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 105]
    Sequence Number: 676    (relative sequence number)
    Sequence Number (raw): 4174016768
    [Next Sequence Number: 781    (relative sequence number)]
    Acknowledgment Number: 6304    (relative ack number)
    Acknowledgment number (raw): 2887965387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9c86 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.435659000 seconds]
        [Time since previous frame in this TCP stream: 0.000160000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 263]
        [Bytes sent since last PSH flag: 105]
    TCP payload (105 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 100
        Encrypted Application Data: 0000000000000001150d58cc8ea38bf8f5d2ef1af235fdb5e7b46de1b92f274379a64d49…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    504 5.774152       10.122.205.2          52.182.143.208        TLSv1.2  874    Application Data
Frame 504: 874 bytes on wire (6992 bits), 874 bytes captured (6992 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.712160000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.712160000 seconds
    [Time delta from previous captured frame: 0.000158000 seconds]
    [Time delta from previous displayed frame: 0.000158000 seconds]
    [Time since reference or first frame: 5.774152000 seconds]
    Frame Number: 504
    Frame Length: 874 bytes (6992 bits)
    Capture Length: 874 bytes (6992 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 860
    Identification: 0x4d50 (19792)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 781, Ack: 6304, Len: 820
    Source Port: 61109
```

```
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 820]
    Sequence Number: 781    (relative sequence number)
    Sequence Number (raw): 4174016873
    [Next Sequence Number: 1601    (relative sequence number)]
    Acknowledgment Number: 6304    (relative ack number)
    Acknowledgment number (raw): 2887965387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x9f51 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.435817000 seconds]
        [Time since previous frame in this TCP stream: 0.000158000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 1083]
        [Bytes sent since last PSH flag: 820]
    TCP payload (820 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 815
        Encrypted Application Data: 00000000000000272aebda43808e2d93f76f765e82682daf588bf09d140527dda75e040…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    505 5.774192       10.122.205.2          52.182.143.208        TLSv1.2  1304   Application Data
Frame 505: 1304 bytes on wire (10432 bits), 1304 bytes captured (10432 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.712200000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.712200000 seconds
    [Time delta from previous captured frame: 0.000040000 seconds]
    [Time delta from previous displayed frame: 0.000040000 seconds]
    [Time since reference or first frame: 5.774192000 seconds]
    Frame Number: 505
    Frame Length: 1304 bytes (10432 bits)
    Capture Length: 1304 bytes (10432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1290
    Identification: 0x4d51 (19793)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 1601, Ack: 6304, Len: 1250
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1250]
    Sequence Number: 1601    (relative sequence number)
    Sequence Number (raw): 4174017693
    [Next Sequence Number: 2851    (relative sequence number)]
    Acknowledgment Number: 6304    (relative ack number)
    Acknowledgment number (raw): 2887965387
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xa0ff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.435857000 seconds]
        [Time since previous frame in this TCP stream: 0.000040000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 2333]
        [Bytes sent since last PSH flag: 1250]
    TCP payload (1250 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 1245
        Encrypted Application Data: 0000000000000034eb809551833e4111f59983bed25bf7680b7bc1183d5868f8a84d151…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    506 5.996298       104.91.68.56          10.122.205.2          TCP      1436   443 → 61098 [ACK] Seq=4097 Ack=206
Win=64128 Len=1382 [TCP segment of a reassembled PDU]
Frame 506: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
```

```
    [Time delta from previous captured frame: 0.222106000 seconds]
    [Time delta from previous displayed frame: 0.222106000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 506
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0xab0f (43791)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1b4b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 4097, Ack: 206, Len: 1382
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 1382]
    Sequence Number: 4097    (relative sequence number)
    Sequence Number (raw): 89223458
    [Next Sequence Number: 5479    (relative sequence number)]
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x3229 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.216518000 seconds]
        [Time since previous frame in this TCP stream: 0.968597000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 1382]
        [Bytes sent since last PSH flag: 4146]
```

```
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 520]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    507 5.996298       204.79.197.239        10.122.205.2          TLSv1.2  427    Application Data
Frame 507: 427 bytes on wire (3416 bits), 427 bytes captured (3416 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 507
    Frame Length: 427 bytes (3416 bits)
    Capture Length: 427 bytes (3416 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 413
    Identification: 0x5b96 (23446)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4809 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6398, Ack: 4691, Len: 373
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 373]
    Sequence Number: 6398    (relative sequence number)
    Sequence Number (raw): 1925144511
    [Next Sequence Number: 6771    (relative sequence number)]
    Acknowledgment Number: 4691    (relative ack number)
    Acknowledgment number (raw): 3760904472
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
```

```
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0x7a38 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.895582000 seconds]
        [Time since previous frame in this TCP stream: 0.527144000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 373]
        [Bytes sent since last PSH flag: 373]
    TCP payload (373 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 368
        Encrypted Application Data: 0000000000000003cd30f771200f808a45d8bde9387b43f01f0718e1d06114edd0587d0f…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    508 5.996298       204.79.197.239        10.122.205.2          TLSv1.2  271    Application Data
Frame 508: 271 bytes on wire (2168 bits), 271 bytes captured (2168 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 508
    Frame Length: 271 bytes (2168 bits)
    Capture Length: 271 bytes (2168 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 257
    Identification: 0x5b97 (23447)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x48a4 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6771, Ack: 4691, Len: 217
    Source Port: 443
```

```
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 217]
    Sequence Number: 6771    (relative sequence number)
    Sequence Number (raw): 1925144884
    [Next Sequence Number: 6988    (relative sequence number)]
    Acknowledgment Number: 4691    (relative ack number)
    Acknowledgment number (raw): 3760904472
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0xbf19 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.895582000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 590]
        [Bytes sent since last PSH flag: 217]
    TCP payload (217 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 212
        Encrypted Application Data: 0000000000000041a858c9957480a52f8f986dec22b81339ca83f75931cc4dc15706da7…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    509 5.996298       204.79.197.239        10.122.205.2          TLSv1.2  92     Application Data
Frame 509: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 509
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x5b98 (23448)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4956 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 6988, Ack: 4691, Len: 38
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 6988    (relative sequence number)
    Sequence Number (raw): 1925145101
    [Next Sequence Number: 7026    (relative sequence number)]
    Acknowledgment Number: 4691    (relative ack number)
    Acknowledgment number (raw): 3760904472
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16384
    [Calculated window size: 4194304]
    [Window size scaling factor: 256]
    Checksum: 0xeab6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.895582000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 628]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 00000000000000058bed6c305cf22da34a199f8f08d2c5604df0d3cffb428dc9cb
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    510 5.996298       52.182.143.208        10.122.205.2          TCP      60     443 → 61109 [ACK] Seq=6304 Ack=1601
Win=525056 Len=0
Frame 510: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
```

```
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 510
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xec39 (60473)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x9093 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6304, Ack: 1601, Len: 0
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6304    (relative sequence number)
    Sequence Number (raw): 2887965387
    [Next Sequence Number: 6304    (relative sequence number)]
    Acknowledgment Number: 1601    (relative ack number)
    Acknowledgment number (raw): 4174017693
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x2707 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.222106000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 504]
        [The RTT to ACK the segment was: 0.222146000 seconds]
```

```
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    511 5.996298       52.182.143.208        10.122.205.2          TCP      60     443 → 61109 [ACK] Seq=6304 Ack=2851
Win=523776 Len=0
Frame 511: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 511
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xec3a (60474)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x9092 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6304, Ack: 2851, Len: 0
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6304    (relative sequence number)
    Sequence Number (raw): 2887965387
    [Next Sequence Number: 6304    (relative sequence number)]
    Acknowledgment Number: 2851    (relative ack number)
    Acknowledgment number (raw): 4174018943
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
```

```
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0x222a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 505]
        [The RTT to ACK the segment was: 0.222106000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    512 5.996298       52.182.143.208        10.122.205.2          TLSv1.2  105    Change Cipher Spec, Encrypted
Handshake Message
Frame 512: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 512
    Frame Length: 105 bytes (840 bits)
    Capture Length: 105 bytes (840 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 91
    Identification: 0xec3b (60475)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x905e [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6304, Ack: 2851, Len: 51
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 51]
    Sequence Number: 6304    (relative sequence number)
```

```
    Sequence Number (raw): 2887965387
    [Next Sequence Number: 6355    (relative sequence number)]
    Acknowledgment Number: 2851    (relative ack number)
    Acknowledgment number (raw): 4174018943
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0x3228 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 51]
        [Bytes sent since last PSH flag: 51]
    TCP payload (51 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    513 5.996298       52.182.143.208        10.122.205.2          TLSv1.2  123    Application Data
Frame 513: 123 bytes on wire (984 bits), 123 bytes captured (984 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 513
    Frame Length: 123 bytes (984 bits)
    Capture Length: 123 bytes (984 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
```

```
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 109
    Identification: 0xec3c (60476)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x904b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6355, Ack: 2851, Len: 69
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 69]
    Sequence Number: 6355    (relative sequence number)
    Sequence Number (raw): 2887965438
    [Next Sequence Number: 6424    (relative sequence number)]
    Acknowledgment Number: 2851    (relative ack number)
    Acknowledgment number (raw): 4174018943
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0x17ae [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 120]
        [Bytes sent since last PSH flag: 69]
    TCP payload (69 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 64
        Encrypted Application Data: 0000000000000001ee37921ed5f5df5f7a138758c03f9158bff4ddfbb2eb3030db533a36…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    514 5.996298       52.182.143.208        10.122.205.2          TLSv1.2  134    Application Data, Application Data
Frame 514: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
```

```
    Frame Number: 514
    Frame Length: 134 bytes (1072 bits)
    Capture Length: 134 bytes (1072 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 120
    Identification: 0xec3d (60477)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x903f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6424, Ack: 2851, Len: 80
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 80]
    Sequence Number: 6424    (relative sequence number)
    Sequence Number (raw): 2887965507
    [Next Sequence Number: 6504    (relative sequence number)]
    Acknowledgment Number: 2851    (relative ack number)
    Acknowledgment number (raw): 4174018943
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0x28fc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 200]
        [Bytes sent since last PSH flag: 80]
    TCP payload (80 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
```

```
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000000293209bf99f32cc0efd1cd2b1206cacbecfd1ed4fea9b5111a1
        [Application Data Protocol: HyperText Transfer Protocol 2]
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 37
        Encrypted Application Data: 00000000000000307eabd690359e583e20f2fb27325e9b88607e57f16f8cf1ee62c6bb7…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    515 5.996298       52.182.143.208        10.122.205.2          TLSv1.2  341    Application Data
Frame 515: 341 bytes on wire (2728 bits), 341 bytes captured (2728 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934306000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934306000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 5.996298000 seconds]
    Frame Number: 515
    Frame Length: 341 bytes (2728 bits)
    Capture Length: 341 bytes (2728 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 327
    Identification: 0xec3e (60478)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x8f6f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6504, Ack: 2851, Len: 287
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 287]
    Sequence Number: 6504    (relative sequence number)
    Sequence Number (raw): 2887965587
    [Next Sequence Number: 6791    (relative sequence number)]
    Acknowledgment Number: 2851    (relative ack number)
    Acknowledgment number (raw): 4174018943
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0xe6b1 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.657963000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 487]
        [Bytes sent since last PSH flag: 287]
    TCP payload (287 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 282
        Encrypted Application Data: 0000000000000004e1d4d0c0923260be7d67c8f17e947a3828b57f9464547a8e01b35c76…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    516 5.996497       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=4691 Ack=7026
Win=130048 Len=0
Frame 516: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934505000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934505000 seconds
    [Time delta from previous captured frame: 0.000199000 seconds]
    [Time delta from previous displayed frame: 0.000199000 seconds]
    [Time since reference or first frame: 5.996497000 seconds]
    Frame Number: 516
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99b3 (39347)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
```

```
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4691, Ack: 7026, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 4691    (relative sequence number)
    Sequence Number (raw): 3760904472
    [Next Sequence Number: 4691    (relative sequence number)]
    Acknowledgment Number: 7026    (relative ack number)
    Acknowledgment number (raw): 1925145139
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 508
    [Calculated window size: 130048]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.895781000 seconds]
        [Time since previous frame in this TCP stream: 0.000199000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 509]
        [The RTT to ACK the segment was: 0.000199000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    517 5.996551       10.122.205.2          52.182.143.208        TCP      54     61109 → 443 [ACK] Seq=2851 Ack=6791
Win=130560 Len=0
Frame 517: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.934559000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.934559000 seconds
    [Time delta from previous captured frame: 0.000054000 seconds]
    [Time delta from previous displayed frame: 0.000054000 seconds]
    [Time since reference or first frame: 5.996551000 seconds]
    Frame Number: 517
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
```

```
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x4d52 (19794)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 2851, Ack: 6791, Len: 0
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 2851    (relative sequence number)
    Sequence Number (raw): 4174018943
    [Next Sequence Number: 2851    (relative sequence number)]
    Acknowledgment Number: 6791    (relative ack number)
    Acknowledgment number (raw): 2887965874
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x9c1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.658216000 seconds]
        [Time since previous frame in this TCP stream: 0.000253000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 515]
        [The RTT to ACK the segment was: 0.000253000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    518 5.998022       10.122.205.2          52.182.143.208        TLSv1.2  92     Application Data
Frame 518: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.936030000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.936030000 seconds
    [Time delta from previous captured frame: 0.001471000 seconds]
    [Time delta from previous displayed frame: 0.001471000 seconds]
    [Time since reference or first frame: 5.998022000 seconds]
    Frame Number: 518
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
```

```
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x4d53 (19795)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 2851, Ack: 6791, Len: 38
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 2851    (relative sequence number)
    Sequence Number (raw): 4174018943
    [Next Sequence Number: 2889    (relative sequence number)]
    Acknowledgment Number: 6791    (relative ack number)
    Acknowledgment number (raw): 2887965874
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x9c43 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.659687000 seconds]
        [Time since previous frame in this TCP stream: 0.001471000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 38]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
```

```
        Encrypted Application Data: 0000000000000004e3f23fa7e0a0fe07ca339753f15a33e6851ce79327907cce26
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    519 6.036121       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [ACK] Seq=206 Ack=5479
Win=131072 Len=0
Frame 519: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:55.974129000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821635.974129000 seconds
    [Time delta from previous captured frame: 0.038099000 seconds]
    [Time delta from previous displayed frame: 0.038099000 seconds]
    [Time since reference or first frame: 6.036121000 seconds]
    Frame Number: 519
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0983 (2435)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 206, Ack: 5479, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 206    (relative sequence number)
    Sequence Number (raw): 2237318910
    [Next Sequence Number: 206    (relative sequence number)]
    Acknowledgment Number: 5479    (relative ack number)
    Acknowledgment number (raw): 89224840
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
```

```
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.256341000 seconds]
        [Time since previous frame in this TCP stream: 0.039823000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 506]
        [The RTT to ACK the segment was: 0.039823000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    520 6.106211       104.91.68.56          10.122.205.2          TLSv1.2  563    Certificate Status, Server Key
Exchange, Server Hello Done
Frame 520: 563 bytes on wire (4504 bits), 563 bytes captured (4504 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.044219000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.044219000 seconds
    [Time delta from previous captured frame: 0.070090000 seconds]
    [Time delta from previous displayed frame: 0.070090000 seconds]
    [Time since reference or first frame: 6.106211000 seconds]
    Frame Number: 520
    Frame Length: 563 bytes (4504 bits)
    Capture Length: 563 bytes (4504 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame:
eth:ethertype:ip:tcp:tls:ocsp:x509sat:x509sat:x509sat:x509sat:x509sat:x509ce:x509ce:x509ce:x509ce:x509ce:x509ce:x509ce:oc
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 549
    Identification: 0xab10 (43792)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1eb3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 5479, Ack: 206, Len: 509
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 509]
```

```
    Sequence Number: 5479    (relative sequence number)
    Sequence Number (raw): 89224840
    [Next Sequence Number: 5988    (relative sequence number)]
    Acknowledgment Number: 206    (relative ack number)
    Acknowledgment number (raw): 2237318910
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0xa21a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.326431000 seconds]
        [Time since previous frame in this TCP stream: 0.070090000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 509]
        [Bytes sent since last PSH flag: 4655]
    TCP payload (509 bytes)
    TCP segment data (162 bytes)
[3 Reassembled TCP Segments (1790 bytes): #406(246), #506(1382), #520(162)]
    [Frame: 406, payload: 0-245 (246 bytes)]
    [Frame: 506, payload: 246-1627 (1382 bytes)]
    [Frame: 520, payload: 1628-1789 (162 bytes)]
    [Segment count: 3]
    [Reassembled TCP length: 1790]
    [Reassembled TCP Data: 16030306f9160006f5010006f1308206ed0a0100a08206e6308206e206092b0601050507…]
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Certificate Status
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 1785
        Handshake Protocol: Certificate Status
            Handshake Type: Certificate Status (22)
            Length: 1781
            Certificate Status Type: OCSP (1)
            OCSP Response Length: 1777
            OCSP Response
                responseStatus: successful (0)
                responseBytes
                    ResponseType Id: 1.3.6.1.5.5.7.48.1.1 (id-pkix-ocsp-basic)
                    BasicOCSPResponse
                        tbsResponseData
                            responderID: byKey (2)
                                byKey: 7a95a2ec4e036907c5f864beba52cd32cfc4f47f
                            producedAt: Mar  2, 2023 00:06:36.000000000 中国标准时间
                            responses: 1 item
                                SingleResponse
                                    certID
                                        hashAlgorithm (SHA-1)
                                            Algorithm Id: 1.3.14.3.2.26 (SHA-1)
                                        issuerNameHash: 52feca108db4e5ab5268930d27c82ff215e24bb5
                                        issuerKeyHash: 00ab91fc216226979aa8791b61419060a96267fd
                                        serialNumber: 0x330044ddb73a433a0b64455b0300000044ddb7
                                    certStatus: good (0)
                                        good
                                    thisUpdate: Mar  1, 2023 22:14:10.000000000 中国标准时间
                                    nextUpdate: Mar  6, 2023 23:50:12.000000000 中国标准时间
                                    singleExtensions: 1 item
                                        Extension
                                            Id: 1.3.6.1.4.1.311.21.4 (id-ms-next-publish)
                                            UTCTime: 2023-03-06 14:24:10 (UTC)
                        signatureAlgorithm (sha256WithRSAEncryption)
                            Algorithm Id: 1.2.840.113549.1.1.11 (sha256WithRSAEncryption)
```

```
                        Padding: 0
                        signature: 8edb1827e84dd86e7e6f948b3bde7dbd9d780b19186cba15253a8b7aa6c1d41342720b13…
                        certs: 1 item
                            Certificate (id-at-commonName=AzureCA02 OCSP Cert)
                                signedCertificate
                                    version: v3 (2)
                                    serialNumber: 0x33009498083a439ccd8be686ed000000949808
                                    signature (sha384WithRSAEncryption)
                                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                    issuer: rdnSequence (0)
                                        rdnSequence: 3 items (id-at-commonName=Microsoft Azure TLS Issuing CA 02,id-at-
organizationName=Microsoft Corporation,id-at-countryName=US)
                                            RDNSequence item: 1 item (id-at-countryName=US)
                                                RelativeDistinguishedName item (id-at-countryName=US)
                                                    Object Id: 2.5.4.6 (id-at-countryName)
                                                    CountryName: US
                                            RDNSequence item: 1 item (id-at-organizationName=Microsoft Corporation)
                                                RelativeDistinguishedName item (id-at-organizationName=Microsoft
Corporation)
                                                    Object Id: 2.5.4.10 (id-at-organizationName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Corporation
                                            RDNSequence item: 1 item (id-at-commonName=Microsoft Azure TLS Issuing CA
02)
                                                RelativeDistinguishedName item (id-at-commonName=Microsoft Azure TLS
Issuing CA 02)
                                                    Object Id: 2.5.4.3 (id-at-commonName)
                                                    DirectoryString: printableString (1)
                                                        printableString: Microsoft Azure TLS Issuing CA 02
                                    validity
                                        notBefore: utcTime (0)
                                            utcTime: 2023-02-27 15:50:12 (UTC)
                                        notAfter: utcTime (0)
                                            utcTime: 2023-03-06 15:50:12 (UTC)
                                    subject: rdnSequence (0)
                                        rdnSequence: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
                                            RDNSequence item: 1 item (id-at-commonName=AzureCA02 OCSP Cert)
                                                RelativeDistinguishedName item (id-at-commonName=AzureCA02 OCSP Cert)
                                                    Object Id: 2.5.4.3 (id-at-commonName)
                                                    DirectoryString: printableString (1)
                                                        printableString: AzureCA02 OCSP Cert
                                    subjectPublicKeyInfo
                                        algorithm (rsaEncryption)
                                            Algorithm Id: 1.2.840.113549.1.1.1 (rsaEncryption)
                                        subjectPublicKey:
3082010a0282010100bfe5fd996eaed3239f8a0ab372e946811e8a1495c7fe3a88519659…
                                            modulus:
0x00bfe5fd996eaed3239f8a0ab372e946811e8a1495c7fe3a88519659e0be6cc1df6b84e1…
                                            publicExponent: 65537
                                    extensions: 8 items
                                        Extension (id-ce-basicConstraints)
                                            Extension Id: 2.5.29.19 (id-ce-basicConstraints)
                                            critical: True
                                            BasicConstraintsSyntax [0 length]
                                        Extension (id-ce-extKeyUsage)
                                            Extension Id: 2.5.29.37 (id-ce-extKeyUsage)
                                            KeyPurposeIDs: 1 item
                                                KeyPurposeId: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                        Extension (id-ce-subjectKeyIdentifier)
                                            Extension Id: 2.5.29.14 (id-ce-subjectKeyIdentifier)
                                            SubjectKeyIdentifier: 7a95a2ec4e036907c5f864beba52cd32cfc4f47f
                                        Extension (id-ce-authorityKeyIdentifier)
                                            Extension Id: 2.5.29.35 (id-ce-authorityKeyIdentifier)
                                            AuthorityKeyIdentifier
                                                keyIdentifier: 00ab91fc216226979aa8791b61419060a96267fd
                                        Extension (id-ce-keyUsage)
                                            Extension Id: 2.5.29.15 (id-ce-keyUsage)
                                            critical: True
                                            Padding: 7
                                            KeyUsage: 80
                                                1... .... = digitalSignature: True
                                                .0.. .... = contentCommitment: False
                                                ..0. .... = keyEncipherment: False
                                                ...0 .... = dataEncipherment: False
                                                .... 0... = keyAgreement: False
                                                .... .0.. = keyCertSign: False
```

```
                                                .... ..0. = cRLSign: False
                                                .... ...0 = encipherOnly: False
                                                0... .... = decipherOnly: False
                                            Extension (id-ms-certificate-template)
                                                Extension Id: 1.3.6.1.4.1.311.21.7 (id-ms-certificate-template)
                                                CertificateTemplate
                                                    templateID:
1.3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759 (iso.
3.6.1.4.1.311.21.8.15690651.3798470.4214446.239628.16526621.93.7760802.4009759)
                                                    templateMajorVersion: 100
                                                    templateMinorVersion: 21
                                            Extension (id-ms-application-certificate-policies)
                                                Extension Id: 1.3.6.1.4.1.311.21.10 (id-ms-application-certificate-policies)
                                                CertificatePoliciesSyntax: 1 item
                                                    PolicyInformation
                                                        policyIdentifier: 1.3.6.1.5.5.7.3.9 (OCSPSigning)
                                            Extension (id-pkix-ocsp-nocheck)
                                                Extension Id: 1.3.6.1.5.5.7.48.1.5 (id-pkix-ocsp-nocheck)
                                                NULL
                                    algorithmIdentifier (sha384WithRSAEncryption)
                                        Algorithm Id: 1.2.840.113549.1.1.12 (sha384WithRSAEncryption)
                                    Padding: 0
                                    encrypted: b0dd7257e764879601bf85ec345c6e28d2a0d54e6ac53a5dfd3441947047350417737 8c9…
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Server Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 333
        Handshake Protocol: Server Key Exchange
            Handshake Type: Server Key Exchange (12)
            Length: 329
            EC Diffie-Hellman Server Params
                Curve Type: named_curve (0x03)
                Named Curve: secp256r1 (0x0017)
                Pubkey Length: 65
                Pubkey: 044483ee8def0c9a9458f0cd1a193637533f7567f01f81c3dd42f4fff203c60ebee667f2…
                Signature Algorithm: rsa_pss_rsae_sha256 (0x0804)
                    Signature Hash Algorithm Hash: Unknown (8)
                    Signature Hash Algorithm Signature: SM2 (4)
                Signature Length: 256
                Signature: a17a9f578514d90f330c443666fb087769318ba624d26ffd525487052cdd9102bf412243…
    TLSv1.2 Record Layer: Handshake Protocol: Server Hello Done
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 4
        Handshake Protocol: Server Hello Done
            Handshake Type: Server Hello Done (14)
            Length: 0
No.     Time           Source                Destination           Protocol Length Info
    521 6.107733       10.122.205.2          104.91.68.56          TLSv1.2  180    Client Key Exchange, Change Cipher
Spec, Encrypted Handshake Message
Frame 521: 180 bytes on wire (1440 bits), 180 bytes captured (1440 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.045741000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.045741000 seconds
    [Time delta from previous captured frame: 0.001522000 seconds]
    [Time delta from previous displayed frame: 0.001522000 seconds]
    [Time since reference or first frame: 6.107733000 seconds]
    Frame Number: 521
    Frame Length: 180 bytes (1440 bits)
    Capture Length: 180 bytes (1440 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
```

```
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 166
    Identification: 0x0984 (2436)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 206, Ack: 5988, Len: 126
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 126]
    Sequence Number: 206    (relative sequence number)
    Sequence Number (raw): 2237318910
    [Next Sequence Number: 332    (relative sequence number)]
    Acknowledgment Number: 5988    (relative ack number)
    Acknowledgment number (raw): 89225349
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x84a8 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.327953000 seconds]
        [Time since previous frame in this TCP stream: 0.001522000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 520]
        [The RTT to ACK the segment was: 0.001522000 seconds]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 126]
        [Bytes sent since last PSH flag: 126]
    TCP payload (126 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 70
        Handshake Protocol: Client Key Exchange
            Handshake Type: Client Key Exchange (16)
            Length: 66
            EC Diffie-Hellman Client Params
                Pubkey Length: 65
                Pubkey: 044a0868d7805813970fcd9d513ece3ba661689973d4fc91cf058326399ea6426194a524…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
```

```
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    522 6.171912       104.91.68.56          10.122.205.2          TCP      60     443 → 61098 [ACK] Seq=5988 Ack=332
Win=64128 Len=0
Frame 522: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.109920000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.109920000 seconds
    [Time delta from previous captured frame: 0.064179000 seconds]
    [Time delta from previous displayed frame: 0.064179000 seconds]
    [Time since reference or first frame: 6.171912000 seconds]
    Frame Number: 522
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xab11 (43793)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x20af [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 5988, Ack: 332, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 5988    (relative sequence number)
    Sequence Number (raw): 89225349
    [Next Sequence Number: 5988    (relative sequence number)]
    Acknowledgment Number: 332    (relative ack number)
    Acknowledgment number (raw): 2237319036
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
```

```
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x6ebc [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.392132000 seconds]
        [Time since previous frame in this TCP stream: 0.064179000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 521]
        [The RTT to ACK the segment was: 0.064179000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    523 6.171912       104.91.68.56          10.122.205.2          TLSv1.2  312    New Session Ticket, Change Cipher
Spec, Encrypted Handshake Message
Frame 523: 312 bytes on wire (2496 bits), 312 bytes captured (2496 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.109920000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.109920000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 6.171912000 seconds]
    Frame Number: 523
    Frame Length: 312 bytes (2496 bits)
    Capture Length: 312 bytes (2496 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 298
    Identification: 0xab12 (43794)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1fac [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
```

```
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 5988, Ack: 332, Len: 258
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 258]
    Sequence Number: 5988    (relative sequence number)
    Sequence Number (raw): 89225349
    [Next Sequence Number: 6246    (relative sequence number)]
    Acknowledgment Number: 332    (relative ack number)
    Acknowledgment number (raw): 2237319036
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x79d3 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.392132000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 258]
        [Bytes sent since last PSH flag: 258]
    TCP payload (258 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Handshake Protocol: New Session Ticket
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 202
        Handshake Protocol: New Session Ticket
            Handshake Type: New Session Ticket (4)
            Length: 198
            TLS Session Ticket
                Session Ticket Lifetime Hint: 83100 seconds (23 hours, 5 minutes)
                Session Ticket Length: 192
                Session Ticket: 00021afaa09b6dc98749aec96a556589bdcc4615ba6e944e4505c63e3876ac72655190b6…
    TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec
        Content Type: Change Cipher Spec (20)
        Version: TLS 1.2 (0x0303)
        Length: 1
        Change Cipher Spec Message
    TLSv1.2 Record Layer: Handshake Protocol: Encrypted Handshake Message
        Content Type: Handshake (22)
        Version: TLS 1.2 (0x0303)
        Length: 40
        Handshake Protocol: Encrypted Handshake Message
No.     Time           Source                Destination           Protocol Length Info
    524 6.173345       10.122.205.2          104.91.68.56          TLSv1.2  141    Application Data
Frame 524: 141 bytes on wire (1128 bits), 141 bytes captured (1128 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.111353000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.111353000 seconds
    [Time delta from previous captured frame: 0.001433000 seconds]
    [Time delta from previous displayed frame: 0.001433000 seconds]
    [Time since reference or first frame: 6.173345000 seconds]
    Frame Number: 524
```

```
    Frame Length: 141 bytes (1128 bits)
    Capture Length: 141 bytes (1128 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 127
    Identification: 0x0985 (2437)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 332, Ack: 6246, Len: 87
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 87]
    Sequence Number: 332    (relative sequence number)
    Sequence Number (raw): 2237319036
    [Next Sequence Number: 419    (relative sequence number)]
    Acknowledgment Number: 6246    (relative ack number)
    Acknowledgment number (raw): 89225607
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x8481 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.393565000 seconds]
        [Time since previous frame in this TCP stream: 0.001433000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 523]
        [The RTT to ACK the segment was: 0.001433000 seconds]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 87]
        [Bytes sent since last PSH flag: 87]
    TCP payload (87 bytes)
Transport Layer Security
```

```
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 82
        Encrypted Application Data: 00000000000000125ef4fc1c22b8faf7f6a1058dc3aee5504f4191f8bce24c1234a79e8…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    525 6.173523       10.122.205.2          104.91.68.56          TLSv1.2  176    Application Data
Frame 525: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.111531000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.111531000 seconds
    [Time delta from previous captured frame: 0.000178000 seconds]
    [Time delta from previous displayed frame: 0.000178000 seconds]
    [Time since reference or first frame: 6.173523000 seconds]
    Frame Number: 525
    Frame Length: 176 bytes (1408 bits)
    Capture Length: 176 bytes (1408 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 162
    Identification: 0x0986 (2438)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 419, Ack: 6246, Len: 122
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 122]
    Sequence Number: 419    (relative sequence number)
    Sequence Number (raw): 2237319123
    [Next Sequence Number: 541    (relative sequence number)]
    Acknowledgment Number: 6246    (relative ack number)
    Acknowledgment number (raw): 89225607
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x84a4 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.393743000 seconds]
        [Time since previous frame in this TCP stream: 0.000178000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 209]
        [Bytes sent since last PSH flag: 122]
    TCP payload (122 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 117
        Encrypted Application Data: 0000000000000002eb860640f81f5b318f0b5d541e5a263b31cfb14905c307438efeb66d…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    526 6.245458       104.91.68.56          10.122.205.2          TCP      60     443 → 61098 [ACK] Seq=6246 Ack=419
Win=64128 Len=0
Frame 526: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.183466000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.183466000 seconds
    [Time delta from previous captured frame: 0.071935000 seconds]
    [Time delta from previous displayed frame: 0.071935000 seconds]
    [Time since reference or first frame: 6.245458000 seconds]
    Frame Number: 526
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xab13 (43795)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
```

```
    Header Checksum: 0x20ad [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6246, Ack: 419, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 6246    (relative sequence number)
    Sequence Number (raw): 89225607
    [Next Sequence Number: 6246    (relative sequence number)]
    Acknowledgment Number: 419    (relative ack number)
    Acknowledgment number (raw): 2237319123
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x6d63 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.465678000 seconds]
        [Time since previous frame in this TCP stream: 0.071935000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 524]
        [The RTT to ACK the segment was: 0.072113000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    527 6.245458       104.91.68.56          10.122.205.2          TLSv1.2  122    Application Data
Frame 527: 122 bytes on wire (976 bits), 122 bytes captured (976 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.183466000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.183466000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 6.245458000 seconds]
    Frame Number: 527
    Frame Length: 122 bytes (976 bits)
    Capture Length: 122 bytes (976 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 108
    Identification: 0xab14 (43796)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x2068 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6246, Ack: 419, Len: 68
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 68]
    Sequence Number: 6246    (relative sequence number)
    Sequence Number (raw): 89225607
    [Next Sequence Number: 6314    (relative sequence number)]
    Acknowledgment Number: 419    (relative ack number)
    Acknowledgment number (raw): 2237319123
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x19c9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.465678000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 68]
        [Bytes sent since last PSH flag: 68]
    TCP payload (68 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 63
        Encrypted Application Data: 4f01547ceeb41f142b17747f44a425003d3b2c0e030553f41b4c6aed65980052d6ef9e2b…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    528 6.245458       104.91.68.56          10.122.205.2          TLSv1.2  92     Application Data
Frame 528: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.183466000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.183466000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 6.245458000 seconds]
    Frame Number: 528
```

```
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0xab15 (43797)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x2085 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6314, Ack: 419, Len: 38
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 38]
    Sequence Number: 6314    (relative sequence number)
    Sequence Number (raw): 89225675
    [Next Sequence Number: 6352    (relative sequence number)]
    Acknowledgment Number: 419    (relative ack number)
    Acknowledgment number (raw): 2237319123
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x04b9 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.465678000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 106]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
```

```
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 4f01547ceeb41f15186a13f7a36e102cec23547271adebe489de990b23c55d1162
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    529 6.245628       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [ACK] Seq=541 Ack=6352
Win=130304 Len=0
Frame 529: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.183636000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.183636000 seconds
    [Time delta from previous captured frame: 0.000170000 seconds]
    [Time delta from previous displayed frame: 0.000170000 seconds]
    [Time since reference or first frame: 6.245628000 seconds]
    Frame Number: 529
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0987 (2439)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 541, Ack: 6352, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 541    (relative sequence number)
    Sequence Number (raw): 2237319245
    [Next Sequence Number: 541    (relative sequence number)]
    Acknowledgment Number: 6352    (relative ack number)
    Acknowledgment number (raw): 89225713
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
```

```
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.465848000 seconds]
        [Time since previous frame in this TCP stream: 0.000170000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 528]
        [The RTT to ACK the segment was: 0.000170000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    530 6.245785       10.122.205.2          104.91.68.56          TLSv1.2  92     Application Data
Frame 530: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.183793000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.183793000 seconds
    [Time delta from previous captured frame: 0.000157000 seconds]
    [Time delta from previous displayed frame: 0.000157000 seconds]
    [Time since reference or first frame: 6.245785000 seconds]
    Frame Number: 530
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x0988 (2440)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 541, Ack: 6352, Len: 38
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 38]
    Sequence Number: 541    (relative sequence number)
```

```
    Sequence Number (raw): 2237319245
    [Next Sequence Number: 579    (relative sequence number)]
    Acknowledgment Number: 6352    (relative ack number)
    Acknowledgment number (raw): 89225713
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 509
    [Calculated window size: 130304]
    [Window size scaling factor: 256]
    Checksum: 0x8450 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.466005000 seconds]
        [Time since previous frame in this TCP stream: 0.000157000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 160]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 00000000000000375ed869ce912502ad8a45545ac0455b799ad7047f24131cd73
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    531 6.263278       52.182.143.208        10.122.205.2          TCP      60     443 → 61109 [ACK] Seq=6791 Ack=2889
Win=523776 Len=0
Frame 531: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.201286000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.201286000 seconds
    [Time delta from previous captured frame: 0.017493000 seconds]
    [Time delta from previous displayed frame: 0.017493000 seconds]
    [Time since reference or first frame: 6.263278000 seconds]
    Frame Number: 531
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xec3f (60479)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x908d [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6791, Ack: 2889, Len: 0
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6791    (relative sequence number)
    Sequence Number (raw): 2887965874
    [Next Sequence Number: 6791    (relative sequence number)]
    Acknowledgment Number: 2889    (relative ack number)
    Acknowledgment number (raw): 4174018981
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2046
    [Calculated window size: 523776]
    [Window size scaling factor: 256]
    Checksum: 0x201d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 0.924943000 seconds]
        [Time since previous frame in this TCP stream: 0.265256000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 518]
        [The RTT to ACK the segment was: 0.265256000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    532 6.354595       104.91.68.56          10.122.205.2          TCP      60     [TCP Previous segment not captured]
443 → 61098 [ACK] Seq=6543 Ack=579 Win=64128 Len=0
Frame 532: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.292603000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.292603000 seconds
    [Time delta from previous captured frame: 0.091317000 seconds]
    [Time delta from previous displayed frame: 0.091317000 seconds]
    [Time since reference or first frame: 6.354595000 seconds]
    Frame Number: 532
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
```

```
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xab19 (43801)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x20a7 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6543, Ack: 579, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 6543    (relative sequence number)
    Sequence Number (raw): 89225904
    [Next Sequence Number: 6543    (relative sequence number)]
    Acknowledgment Number: 579    (relative ack number)
    Acknowledgment number (raw): 2237319283
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x6b9a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.574815000 seconds]
        [Time since previous frame in this TCP stream: 0.108810000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 530]
        [The RTT to ACK the segment was: 0.108810000 seconds]
        [iRTT: 0.077848000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Warning/Sequence): Previous segment(s) not captured (common at capture start)]
                [Previous segment(s) not captured (common at capture start)]
                [Severity level: Warning]
                [Group: Sequence]
No.     Time           Source                Destination           Protocol Length Info
```

```
    533 6.809375       104.91.68.56          10.122.205.2          TCP      245    [TCP Retransmission] 443 → 61098
[PSH, ACK] Seq=6352 Ack=579 Win=64128 Len=191
Frame 533: 245 bytes on wire (1960 bits), 245 bytes captured (1960 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.747383000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.747383000 seconds
    [Time delta from previous captured frame: 0.454780000 seconds]
    [Time delta from previous displayed frame: 0.454780000 seconds]
    [Time since reference or first frame: 6.809375000 seconds]
    Frame Number: 533
    Frame Length: 245 bytes (1960 bits)
    Capture Length: 245 bytes (1960 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 231
    Identification: 0xab1b (43803)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x1fe6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6352, Ack: 579, Len: 191
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 191]
    Sequence Number: 6352    (relative sequence number)
    Sequence Number (raw): 89225713
    [Next Sequence Number: 6543    (relative sequence number)]
    Acknowledgment Number: 579    (relative ack number)
    Acknowledgment number (raw): 2237319283
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
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        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0x65bb [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.029595000 seconds]
        [Time since previous frame in this TCP stream: 0.454780000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.077848000 seconds]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 0.454780000 seconds]
            [RTO based on delta from frame: 532]
    TCP payload (191 bytes)
    Retransmitted TCP segment data (191 bytes)
No.     Time           Source                Destination           Protocol Length Info
    534 6.809803       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [FIN, ACK] Seq=579
Ack=6543 Win=130048 Len=0
Frame 534: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.747811000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.747811000 seconds
    [Time delta from previous captured frame: 0.000428000 seconds]
    [Time delta from previous displayed frame: 0.000428000 seconds]
    [Time since reference or first frame: 6.809803000 seconds]
    Frame Number: 534
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x0989 (2441)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 579, Ack: 6543, Len: 0
    Source Port: 61098
```

```
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 579    (relative sequence number)
    Sequence Number (raw): 2237319283
    [Next Sequence Number: 580    (relative sequence number)]
    Acknowledgment Number: 6543    (relative ack number)
    Acknowledgment number (raw): 89225904
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame initiates the connection closing]
                [This frame initiates the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 508
    [Calculated window size: 130048]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.030023000 seconds]
        [Time since previous frame in this TCP stream: 0.000428000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 533]
        [The RTT to ACK the segment was: 0.000428000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    535 6.877371       104.91.68.56          10.122.205.2          TLSv1.2  85     Encrypted Alert
Frame 535: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.815379000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.815379000 seconds
    [Time delta from previous captured frame: 0.067568000 seconds]
    [Time delta from previous displayed frame: 0.067568000 seconds]
    [Time since reference or first frame: 6.877371000 seconds]
    Frame Number: 535
    Frame Length: 85 bytes (680 bits)
    Capture Length: 85 bytes (680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 71
    Identification: 0xab1c (43804)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x2085 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6543, Ack: 580, Len: 31
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 31]
    Sequence Number: 6543    (relative sequence number)
    Sequence Number (raw): 89225904
    [Next Sequence Number: 6574    (relative sequence number)]
    Acknowledgment Number: 580    (relative ack number)
    Acknowledgment number (raw): 2237319284
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0xc658 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.097591000 seconds]
        [Time since previous frame in this TCP stream: 0.067568000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 534]
        [The RTT to ACK the segment was: 0.067568000 seconds]
        [iRTT: 0.077848000 seconds]
        [Bytes in flight: 31]
        [Bytes sent since last PSH flag: 31]
    TCP payload (31 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Encrypted Alert
        Content Type: Alert (21)
        Version: TLS 1.2 (0x0303)
        Length: 26
        Alert Message: Encrypted Alert
No.     Time           Source                Destination           Protocol Length Info
    536 6.877371       104.91.68.56          10.122.205.2          TCP      60     443 → 61098 [FIN, ACK] Seq=6574
Ack=580 Win=64128 Len=0
Frame 536: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.815379000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
```

```
    Epoch Time: 1677821636.815379000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 6.877371000 seconds]
    Frame Number: 536
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP SYN/FIN]
    [Coloring Rule String: tcp.flags & 0x02 || tcp.flags.fin == 1]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 104.91.68.56, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xab1d (43805)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 43
    Protocol: TCP (6)
    Header Checksum: 0x20a3 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 104.91.68.56
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61098, Seq: 6574, Ack: 580, Len: 0
    Source Port: 443
    Destination Port: 61098
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 6574    (relative sequence number)
    Sequence Number (raw): 89225935
    [Next Sequence Number: 6575    (relative sequence number)]
    Acknowledgment Number: 580    (relative ack number)
    Acknowledgment number (raw): 2237319284
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x011 (FIN, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...1 = Fin: Set
            [Expert Info (Chat/Sequence): Connection finish (FIN)]
                [Connection finish (FIN)]
                [Severity level: Chat]
                [Group: Sequence]
        [TCP Flags: ·····A···F]
            [Expert Info (Note/Sequence): This frame undergoes the connection closing]
                [This frame undergoes the connection closing]
                [Severity level: Note]
                [Group: Sequence]
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
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    Checksum: 0x6b79 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.097591000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    537 6.877525       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [RST, ACK] Seq=580
Ack=6574 Win=0 Len=0
Frame 537: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.815533000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.815533000 seconds
    [Time delta from previous captured frame: 0.000154000 seconds]
    [Time delta from previous displayed frame: 0.000154000 seconds]
    [Time since reference or first frame: 6.877525000 seconds]
    Frame Number: 537
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x098a (2442)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 580, Ack: 6574, Len: 0
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 580    (relative sequence number)
    Sequence Number (raw): 2237319284
    [Next Sequence Number: 580    (relative sequence number)]
    Acknowledgment Number: 6574    (relative ack number)
    Acknowledgment number (raw): 89225935
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x014 (RST, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
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        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A·R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.097745000 seconds]
        [Time since previous frame in this TCP stream: 0.000154000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 535]
        [The RTT to ACK the segment was: 0.000154000 seconds]
        [iRTT: 0.077848000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    538 6.877619       10.122.205.2          104.91.68.56          TCP      54     61098 → 443 [RST] Seq=580 Win=0 Len=0
Frame 538: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.815627000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.815627000 seconds
    [Time delta from previous captured frame: 0.000094000 seconds]
    [Time delta from previous displayed frame: 0.000094000 seconds]
    [Time since reference or first frame: 6.877619000 seconds]
    Frame Number: 538
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP RST]
    [Coloring Rule String: tcp.flags.reset eq 1]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 104.91.68.56
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x098b (2443)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 104.91.68.56
Transmission Control Protocol, Src Port: 61098, Dst Port: 443, Seq: 580, Len: 0
```

```
    Source Port: 61098
    Destination Port: 443
    [Stream index: 8]
    [Conversation completeness: Complete, WITH_DATA (63)]
    [TCP Segment Len: 0]
    Sequence Number: 580    (relative sequence number)
    Sequence Number (raw): 2237319284
    [Next Sequence Number: 580    (relative sequence number)]
    Acknowledgment Number: 2237319284
        [Expert Info (Note/Protocol): The acknowledgment number field is nonzero while the ACK flag is not set]
            [The acknowledgment number field is nonzero while the ACK flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Acknowledgment number (raw): 2237319284
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x004 (RST)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...0 .... = Acknowledgment: Not set
        .... .... 0... = Push: Not set
        .... .... .1.. = Reset: Set
            [Expert Info (Warning/Sequence): Connection reset (RST)]
                [Connection reset (RST)]
                [Severity level: Warning]
                [Group: Sequence]
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····R··]
    Window: 0
    [Calculated window size: 0]
    [Window size scaling factor: 256]
    Checksum: 0x842a [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.097839000 seconds]
        [Time since previous frame in this TCP stream: 0.000094000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    539 6.905214       10.122.205.2          40.90.184.73          TCP      571    [TCP Retransmission] 61104 → 443
[PSH, ACK] Seq=1 Ack=1 Win=131072 Len=517
Frame 539: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.843222000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.843222000 seconds
    [Time delta from previous captured frame: 0.027595000 seconds]
    [Time delta from previous displayed frame: 0.027595000 seconds]
    [Time since reference or first frame: 6.905214000 seconds]
    Frame Number: 539
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xefb3 (61363)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xad93 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.569684000 seconds]
        [Time since previous frame in this TCP stream: 1.232091000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
        [TCP Analysis Flags]
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 2.463883000 seconds]
            [RTO based on delta from frame: 296]
    TCP payload (517 bytes)
    Retransmitted TCP segment data (517 bytes)
No.     Time           Source                Destination           Protocol Length Info
    540 7.019203       10.122.205.2          204.79.197.239        TLSv1.2  211    Application Data
Frame 540: 211 bytes on wire (1688 bits), 211 bytes captured (1688 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.957211000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.957211000 seconds
    [Time delta from previous captured frame: 0.113989000 seconds]
```

```
    [Time delta from previous displayed frame: 0.113989000 seconds]
    [Time since reference or first frame: 7.019203000 seconds]
    Frame Number: 540
    Frame Length: 211 bytes (1688 bits)
    Capture Length: 211 bytes (1688 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 197
    Identification: 0x99b4 (39348)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4691, Ack: 7026, Len: 157
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 157]
    Sequence Number: 4691    (relative sequence number)
    Sequence Number (raw): 3760904472
    [Next Sequence Number: 4848    (relative sequence number)]
    Acknowledgment Number: 7026    (relative ack number)
    Acknowledgment number (raw): 1925145139
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 508
    [Calculated window size: 130048]
    [Window size scaling factor: 256]
    Checksum: 0x6a73 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.918487000 seconds]
        [Time since previous frame in this TCP stream: 1.022706000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 157]
        [Bytes sent since last PSH flag: 157]
    TCP payload (157 bytes)
```

```
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 152
        Encrypted Application Data: 0000000000000005159aa5f2d3d335f0ff9d1db515cd1e965041dba7ef98f2683280ee19…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    541 7.019351       10.122.205.2          204.79.197.239        TLSv1.2  400    Application Data
Frame 541: 400 bytes on wire (3200 bits), 400 bytes captured (3200 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:56.957359000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821636.957359000 seconds
    [Time delta from previous captured frame: 0.000148000 seconds]
    [Time delta from previous displayed frame: 0.000148000 seconds]
    [Time since reference or first frame: 7.019351000 seconds]
    Frame Number: 541
    Frame Length: 400 bytes (3200 bits)
    Capture Length: 400 bytes (3200 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 386
    Identification: 0x99b5 (39349)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 4848, Ack: 7026, Len: 346
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 346]
    Sequence Number: 4848    (relative sequence number)
    Sequence Number (raw): 3760904629
    [Next Sequence Number: 5194    (relative sequence number)]
    Acknowledgment Number: 7026    (relative ack number)
    Acknowledgment number (raw): 1925145139
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
```

```
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 508
    [Calculated window size: 130048]
    [Window size scaling factor: 256]
    Checksum: 0x6b30 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.918635000 seconds]
        [Time since previous frame in this TCP stream: 0.000148000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 503]
        [Bytes sent since last PSH flag: 346]
    TCP payload (346 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 341
        Encrypted Application Data: 0000000000000006a7a83068e77ceacf4b5d1c20bbbeddecc00e173bae0bd5856128417f…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    542 7.100451       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=7026 Ack=4848
Win=4194048 Len=0
Frame 542: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.038459000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.038459000 seconds
    [Time delta from previous captured frame: 0.081100000 seconds]
    [Time delta from previous displayed frame: 0.081100000 seconds]
    [Time since reference or first frame: 7.100451000 seconds]
    Frame Number: 542
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b99 (23449)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
```

```
    Protocol: TCP (6)
    Header Checksum: 0x497b [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 7026, Ack: 4848, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7026    (relative sequence number)
    Sequence Number (raw): 1925145139
    [Next Sequence Number: 7026    (relative sequence number)]
    Acknowledgment Number: 4848    (relative ack number)
    Acknowledgment number (raw): 3760904629
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16383
    [Calculated window size: 4194048]
    [Window size scaling factor: 256]
    Checksum: 0x86d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.999735000 seconds]
        [Time since previous frame in this TCP stream: 0.081100000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 540]
        [The RTT to ACK the segment was: 0.081248000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    543 7.100451       204.79.197.239        10.122.205.2          TCP      60     443 → 61108 [ACK] Seq=7026 Ack=5194
Win=4193792 Len=0
Frame 543: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.038459000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.038459000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 7.100451000 seconds]
    Frame Number: 543
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
```

```
    Padding: 000000000000
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x5b9a (23450)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x497a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 7026, Ack: 5194, Len: 0
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 7026    (relative sequence number)
    Sequence Number (raw): 1925145139
    [Next Sequence Number: 7026    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16382
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0x857d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 1.999735000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 541]
        [The RTT to ACK the segment was: 0.081100000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    544 7.324917       204.79.197.239        10.122.205.2          TLSv1.2  314    Application Data
Frame 544: 314 bytes on wire (2512 bits), 314 bytes captured (2512 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.262925000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.262925000 seconds
    [Time delta from previous captured frame: 0.224466000 seconds]
    [Time delta from previous displayed frame: 0.224466000 seconds]
    [Time since reference or first frame: 7.324917000 seconds]
    Frame Number: 544
    Frame Length: 314 bytes (2512 bits)
    Capture Length: 314 bytes (2512 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
```

```
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 300
    Identification: 0x5b9b (23451)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4875 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 7026, Ack: 5194, Len: 260
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 260]
    Sequence Number: 7026    (relative sequence number)
    Sequence Number (raw): 1925145139
    [Next Sequence Number: 7286    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16382
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0x9eff [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224201000 seconds]
        [Time since previous frame in this TCP stream: 0.224466000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 260]
        [Bytes sent since last PSH flag: 260]
    TCP payload (260 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 255
        Encrypted Application Data: 0000000000000064f814d234995173f0e4952d425d4146c1627f7803edf400ed4eab9d0…
        [Application Data Protocol: Hypertext Transfer Protocol]
```

```
No.     Time           Source                Destination           Protocol Length Info
    545 7.324917       204.79.197.239        10.122.205.2          TLSv1.2  575    Application Data
Frame 545: 575 bytes on wire (4600 bits), 575 bytes captured (4600 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.262925000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.262925000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 7.324917000 seconds]
    Frame Number: 545
    Frame Length: 575 bytes (4600 bits)
    Capture Length: 575 bytes (4600 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 561
    Identification: 0x5b9c (23452)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x476f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 7286, Ack: 5194, Len: 521
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 521]
    Sequence Number: 7286    (relative sequence number)
    Sequence Number (raw): 1925145399
    [Next Sequence Number: 7807    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16382
```

```
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0xfa10 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 781]
        [Bytes sent since last PSH flag: 521]
    TCP payload (521 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 516
        Encrypted Application Data: 00000000000000770d235089fc7e23cd85e6dd240b973e25bca87044b1adbc6fce10863…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    546 7.324917       204.79.197.239        10.122.205.2          TCP      1436   443 → 61108 [ACK] Seq=7807 Ack=5194
Win=4193792 Len=1382 [TCP segment of a reassembled PDU]
Frame 546: 1436 bytes on wire (11488 bits), 1436 bytes captured (11488 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.262925000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.262925000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 7.324917000 seconds]
    Frame Number: 546
    Frame Length: 1436 bytes (11488 bits)
    Capture Length: 1436 bytes (11488 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 1422
    Identification: 0x5b9d (23453)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x4411 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 7807, Ack: 5194, Len: 1382
    Source Port: 443
    Destination Port: 61108
```

```
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 1382]
    Sequence Number: 7807    (relative sequence number)
    Sequence Number (raw): 1925145920
    [Next Sequence Number: 9189    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 16382
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0x2b05 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 2163]
        [Bytes sent since last PSH flag: 1382]
    TCP payload (1382 bytes)
    [Reassembled PDU in frame: 547]
    TCP segment data (1382 bytes)
No.     Time           Source                Destination           Protocol Length Info
    547 7.324917       204.79.197.239        10.122.205.2          TLSv1.2  710    Application Data
Frame 547: 710 bytes on wire (5680 bits), 710 bytes captured (5680 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.262925000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.262925000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 7.324917000 seconds]
    Frame Number: 547
    Frame Length: 710 bytes (5680 bits)
    Capture Length: 710 bytes (5680 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 696
```

```
    Identification: 0x5b9e (23454)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x46e6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 9189, Ack: 5194, Len: 656
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 656]
    Sequence Number: 9189    (relative sequence number)
    Sequence Number (raw): 1925147302
    [Next Sequence Number: 9845    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 16382
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0x4002 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 2819]
        [Bytes sent since last PSH flag: 2038]
    TCP payload (656 bytes)
    TCP segment data (656 bytes)
[2 Reassembled TCP Segments (2038 bytes): #546(1382), #547(656)]
    [Frame: 546, payload: 0-1381 (1382 bytes)]
    [Frame: 547, payload: 1382-2037 (656 bytes)]
    [Segment count: 2]
    [Reassembled TCP length: 2038]
    [Reassembled TCP Data: 17030307f100000000000000082e0fa89aa1cda42642fc8e53a06e562782fad4aaa1e505…]
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 2033
        Encrypted Application Data: 0000000000000082e0fa89aa1cda42642fc8e53a06e562782fad4aaa1e505e8fd8e1ef4…
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    548 7.324917       204.79.197.239        10.122.205.2          TLSv1.2  92     Application Data
Frame 548: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.262925000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.262925000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
```

```
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 7.324917000 seconds]
    Frame Number: 548
    Frame Length: 92 bytes (736 bits)
    Capture Length: 92 bytes (736 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 204.79.197.239, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 78
    Identification: 0x5b9f (23455)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 108
    Protocol: TCP (6)
    Header Checksum: 0x494f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 204.79.197.239
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61108, Seq: 9845, Ack: 5194, Len: 38
    Source Port: 443
    Destination Port: 61108
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 38]
    Sequence Number: 9845    (relative sequence number)
    Sequence Number (raw): 1925147958
    [Next Sequence Number: 9883    (relative sequence number)]
    Acknowledgment Number: 5194    (relative ack number)
    Acknowledgment number (raw): 3760904975
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·******AP···]
    Window: 16382
    [Calculated window size: 4193792]
    [Window size scaling factor: 256]
    Checksum: 0xa5d0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224201000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.079521000 seconds]
        [Bytes in flight: 2857]
        [Bytes sent since last PSH flag: 38]
    TCP payload (38 bytes)
```

```
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: Hypertext Transfer Protocol
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 33
        Encrypted Application Data: 0000000000000009815fc50c02c4e15d6d087e4855ee76fe5ec2d6c23777d1c757
        [Application Data Protocol: Hypertext Transfer Protocol]
No.     Time           Source                Destination           Protocol Length Info
    549 7.325063       10.122.205.2          204.79.197.239        TCP      54     61108 → 443 [ACK] Seq=5194 Ack=9883
Win=131072 Len=0
Frame 549: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.263071000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.263071000 seconds
    [Time delta from previous captured frame: 0.000146000 seconds]
    [Time delta from previous displayed frame: 0.000146000 seconds]
    [Time since reference or first frame: 7.325063000 seconds]
    Frame Number: 549
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 204.79.197.239
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x99b6 (39350)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 204.79.197.239
Transmission Control Protocol, Src Port: 61108, Dst Port: 443, Seq: 5194, Ack: 9883, Len: 0
    Source Port: 61108
    Destination Port: 443
    [Stream index: 18]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 5194    (relative sequence number)
    Sequence Number (raw): 3760904975
    [Next Sequence Number: 5194    (relative sequence number)]
    Acknowledgment Number: 9883    (relative ack number)
    Acknowledgment number (raw): 1925147996
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
```

```
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0x69d6 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.224347000 seconds]
        [Time since previous frame in this TCP stream: 0.000146000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 548]
        [The RTT to ACK the segment was: 0.000146000 seconds]
        [iRTT: 0.079521000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    550 8.003719       10.122.205.2          52.182.143.208        TLSv1.2  145    Application Data
Frame 550: 145 bytes on wire (1160 bits), 145 bytes captured (1160 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.941727000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.941727000 seconds
    [Time delta from previous captured frame: 0.678656000 seconds]
    [Time delta from previous displayed frame: 0.678656000 seconds]
    [Time since reference or first frame: 8.003719000 seconds]
    Frame Number: 550
    Frame Length: 145 bytes (1160 bits)
    Capture Length: 145 bytes (1160 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 131
    Identification: 0x4d54 (19796)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 2889, Ack: 6791, Len: 91
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
```

```
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 91]
    Sequence Number: 2889    (relative sequence number)
    Sequence Number (raw): 4174018981
    [Next Sequence Number: 2980    (relative sequence number)]
    Acknowledgment Number: 6791    (relative ack number)
    Acknowledgment number (raw): 2887965874
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x9c78 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.665384000 seconds]
        [Time since previous frame in this TCP stream: 1.740441000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 91]
        [Bytes sent since last PSH flag: 91]
    TCP payload (91 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 86
        Encrypted Application Data: 000000000000005521e956b85a1b31ba865f8b6867d07910df52ed145cfb97348e551e0…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    551 8.003840       10.122.205.2          52.182.143.208        TLSv1.2  787    Application Data
Frame 551: 787 bytes on wire (6296 bits), 787 bytes captured (6296 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:57.941848000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821637.941848000 seconds
    [Time delta from previous captured frame: 0.000121000 seconds]
    [Time delta from previous displayed frame: 0.000121000 seconds]
    [Time since reference or first frame: 8.003840000 seconds]
    Frame Number: 551
    Frame Length: 787 bytes (6296 bits)
    Capture Length: 787 bytes (6296 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
```

```
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 773
    Identification: 0x4d55 (19797)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 2980, Ack: 6791, Len: 733
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 733]
    Sequence Number: 2980    (relative sequence number)
    Sequence Number (raw): 4174019072
    [Next Sequence Number: 3713    (relative sequence number)]
    Acknowledgment Number: 6791    (relative ack number)
    Acknowledgment number (raw): 2887965874
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x9efa [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.665505000 seconds]
        [Time since previous frame in this TCP stream: 0.000121000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 824]
        [Bytes sent since last PSH flag: 733]
    TCP payload (733 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 728
        Encrypted Application Data: 0000000000000066b188e7ceb07e5f37ada6b6534a5ee9f17779ff1eaa1dafef9d04e0b…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    552 8.137246       10.122.205.2          40.90.184.73          TCP      571    [TCP Retransmission] 61104 → 443
[PSH, ACK] Seq=1 Ack=1 Win=131072 Len=517
Frame 552: 571 bytes on wire (4568 bits), 571 bytes captured (4568 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.075254000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.075254000 seconds
    [Time delta from previous captured frame: 0.133406000 seconds]
    [Time delta from previous displayed frame: 0.133406000 seconds]
```

```
    [Time since reference or first frame: 8.137246000 seconds]
    Frame Number: 552
    Frame Length: 571 bytes (4568 bits)
    Capture Length: 571 bytes (4568 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: Bad TCP]
    [Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_alive && !
tcp.analysis.keep_alive_ack]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 40.90.184.73
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 557
    Identification: 0xefb4 (61364)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 40.90.184.73
Transmission Control Protocol, Src Port: 61104, Dst Port: 443, Seq: 1, Ack: 1, Len: 517
    Source Port: 61104
    Destination Port: 443
    [Stream index: 14]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 517]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 4119214802
    [Next Sequence Number: 518    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 444903762
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 512
    [Calculated window size: 131072]
    [Window size scaling factor: 256]
    Checksum: 0xad93 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 3.801716000 seconds]
        [Time since previous frame in this TCP stream: 1.232032000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.105316000 seconds]
        [Bytes in flight: 517]
        [Bytes sent since last PSH flag: 517]
        [TCP Analysis Flags]
```

```
            [Expert Info (Note/Sequence): This frame is a (suspected) retransmission]
                [This frame is a (suspected) retransmission]
                [Severity level: Note]
                [Group: Sequence]
            [The RTO for this segment was: 3.695915000 seconds]
            [RTO based on delta from frame: 296]
    TCP payload (517 bytes)
    Retransmitted TCP segment data (517 bytes)
No.     Time           Source                Destination           Protocol Length Info
    553 8.215568       52.182.143.208        10.122.205.2          TCP      60     443 → 61109 [ACK] Seq=6791 Ack=3713
Win=525056 Len=0
Frame 553: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.153576000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.153576000 seconds
    [Time delta from previous captured frame: 0.078322000 seconds]
    [Time delta from previous displayed frame: 0.078322000 seconds]
    [Time since reference or first frame: 8.215568000 seconds]
    Frame Number: 553
    Frame Length: 60 bytes (480 bits)
    Capture Length: 60 bytes (480 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
    Padding: 000000000000
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0xec40 (60480)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x908c [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6791, Ack: 3713, Len: 0
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 6791    (relative sequence number)
    Sequence Number (raw): 2887965874
    [Next Sequence Number: 6791    (relative sequence number)]
    Acknowledgment Number: 3713    (relative ack number)
    Acknowledgment number (raw): 4174019805
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
```

```
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x1ce0 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.877233000 seconds]
        [Time since previous frame in this TCP stream: 0.211728000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 551]
        [The RTT to ACK the segment was: 0.211728000 seconds]
        [iRTT: 0.214176000 seconds]
No.     Time           Source                Destination           Protocol Length Info
    554 8.215568       52.182.143.208        10.122.205.2          TLSv1.2  96     Application Data
Frame 554: 96 bytes on wire (768 bits), 96 bytes captured (768 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.153576000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.153576000 seconds
    [Time delta from previous captured frame: 0.000000000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 8.215568000 seconds]
    Frame Number: 554
    Frame Length: 96 bytes (768 bits)
    Capture Length: 96 bytes (768 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 82
    Identification: 0xec41 (60481)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x9061 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6791, Ack: 3713, Len: 42
    Source Port: 443
```

```
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 42]
    Sequence Number: 6791    (relative sequence number)
    Sequence Number (raw): 2887965874
    [Next Sequence Number: 6833    (relative sequence number)]
    Acknowledgment Number: 3713    (relative ack number)
    Acknowledgment number (raw): 4174019805
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x179c [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.877233000 seconds]
        [Time since previous frame in this TCP stream: 0.000000000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 42]
        [Bytes sent since last PSH flag: 42]
    TCP payload (42 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 37
        Encrypted Application Data: 0000000000000057fa0e28d3179635634ea12dbaec50f21a86a90048ceb2417f5ad43f6…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    555 8.218542       52.182.143.208        10.122.205.2          TLSv1.2  160    Application Data
Frame 555: 160 bytes on wire (1280 bits), 160 bytes captured (1280 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.156550000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.156550000 seconds
    [Time delta from previous captured frame: 0.002974000 seconds]
    [Time delta from previous displayed frame: 0.002974000 seconds]
    [Time since reference or first frame: 8.218542000 seconds]
    Frame Number: 555
    Frame Length: 160 bytes (1280 bits)
    Capture Length: 160 bytes (1280 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:tls]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00), Dst: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
    Destination: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 52.182.143.208, Dst: 10.122.205.2
```

```
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 146
    Identification: 0xec42 (60482)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 98
    Protocol: TCP (6)
    Header Checksum: 0x9020 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 52.182.143.208
    Destination Address: 10.122.205.2
Transmission Control Protocol, Src Port: 443, Dst Port: 61109, Seq: 6833, Ack: 3713, Len: 106
    Source Port: 443
    Destination Port: 61109
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 106]
    Sequence Number: 6833    (relative sequence number)
    Sequence Number (raw): 2887965916
    [Next Sequence Number: 6939    (relative sequence number)]
    Acknowledgment Number: 3713    (relative ack number)
    Acknowledgment number (raw): 4174019805
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x018 (PSH, ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 1... = Push: Set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····AP···]
    Window: 2051
    [Calculated window size: 525056]
    [Window size scaling factor: 256]
    Checksum: 0x0387 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.880207000 seconds]
        [Time since previous frame in this TCP stream: 0.002974000 seconds]
    [SEQ/ACK analysis]
        [iRTT: 0.214176000 seconds]
        [Bytes in flight: 148]
        [Bytes sent since last PSH flag: 106]
    TCP payload (106 bytes)
Transport Layer Security
    TLSv1.2 Record Layer: Application Data Protocol: HyperText Transfer Protocol 2
        Content Type: Application Data (23)
        Version: TLS 1.2 (0x0303)
        Length: 101
        Encrypted Application Data: 0000000000000060cb979487340afc081478b4c2c085e0a8df9f818af1fb0d4f98eb55a…
        [Application Data Protocol: HyperText Transfer Protocol 2]
No.     Time           Source                Destination           Protocol Length Info
    556 8.218641       10.122.205.2          52.182.143.208        TCP      54     61109 → 443 [ACK] Seq=3713 Ack=6939
Win=130560 Len=0
Frame 556: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-
A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.156649000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.156649000 seconds
```

```
    [Time delta from previous captured frame: 0.000099000 seconds]
    [Time delta from previous displayed frame: 0.000099000 seconds]
    [Time since reference or first frame: 8.218641000 seconds]
    Frame Number: 556
    Frame Length: 54 bytes (432 bits)
    Capture Length: 54 bytes (432 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp]
    [Coloring Rule Name: TCP]
    [Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
    Destination: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        Address: ArubaaHe_6c:24:00 (10:4f:58:6c:24:00)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 52.182.143.208
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 40
    Identification: 0x4d56 (19798)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 52.182.143.208
Transmission Control Protocol, Src Port: 61109, Dst Port: 443, Seq: 3713, Ack: 6939, Len: 0
    Source Port: 61109
    Destination Port: 443
    [Stream index: 19]
    [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 0]
    Sequence Number: 3713    (relative sequence number)
    Sequence Number (raw): 4174019805
    [Next Sequence Number: 3713    (relative sequence number)]
    Acknowledgment Number: 6939    (relative ack number)
    Acknowledgment number (raw): 2887966022
    0101 .... = Header Length: 20 bytes (5)
    Flags: 0x010 (ACK)
        000. .... .... = Reserved: Not set
        ...0 .... .... = Accurate ECN: Not set
        .... 0... .... = Congestion Window Reduced: Not set
        .... .0.. .... = ECN-Echo: Not set
        .... ..0. .... = Urgent: Not set
        .... ...1 .... = Acknowledgment: Set
        .... .... 0... = Push: Not set
        .... .... .0.. = Reset: Not set
        .... .... ..0. = Syn: Not set
        .... .... ...0 = Fin: Not set
        [TCP Flags: ·····A····]
    Window: 510
    [Calculated window size: 130560]
    [Window size scaling factor: 256]
    Checksum: 0x9c1d [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    [Timestamps]
        [Time since first frame in this TCP stream: 2.880306000 seconds]
        [Time since previous frame in this TCP stream: 0.000099000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 555]
        [The RTT to ACK the segment was: 0.000099000 seconds]
        [iRTT: 0.214176000 seconds]
```

```
No.     Time           Source                Destination           Protocol Length Info
    557 8.898327       10.122.205.2          239.255.255.250       SSDP     143    M-SEARCH * HTTP/1.1
Frame 557: 143 bytes on wire (1144 bits), 143 bytes captured (1144 bits) on interface \Device\NPF_{E86A0AD6-
BF88-4FDE-94F9-A7531B9ADD93}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93})
        Interface name: \Device\NPF_{E86A0AD6-BF88-4FDE-94F9-A7531B9ADD93}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Mar  3, 2023 13:33:58.836335000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1677821638.836335000 seconds
    [Time delta from previous captured frame: 0.679686000 seconds]
    [Time delta from previous displayed frame: 0.679686000 seconds]
    [Time since reference or first frame: 8.898327000 seconds]
    Frame Number: 557
    Frame Length: 143 bytes (1144 bits)
    Capture Length: 143 bytes (1144 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:udp:ssdp]
    [Coloring Rule Name: UDP]
    [Coloring Rule String: udp]
Ethernet II, Src: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27), Dst: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
    Destination: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        Address: IPv4mcast_7f:ff:fa (01:00:5e:7f:ff:fa)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    Source: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        Address: IntelCor_29:5a:27 (f0:9e:4a:29:5a:27)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 10.122.205.2, Dst: 239.255.255.250
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 129
    Identification: 0x5648 (22088)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 4
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.122.205.2
    Destination Address: 239.255.255.250
User Datagram Protocol, Src Port: 56317, Dst Port: 1900
    Source Port: 56317
    Destination Port: 1900
    Length: 109
    Checksum: 0xcd18 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 0]
    [Timestamps]
        [Time since first frame: 7.005777000 seconds]
        [Time since previous frame: 4.005404000 seconds]
    UDP payload (101 bytes)
Simple Service Discovery Protocol
    M-SEARCH * HTTP/1.1\r\n
        [Expert Info (Chat/Sequence): M-SEARCH * HTTP/1.1\r\n]
            [M-SEARCH * HTTP/1.1\r\n]
            [Severity level: Chat]
            [Group: Sequence]
        Request Method: M-SEARCH
        Request URI: *
        Request Version: HTTP/1.1
    Host: 239.255.255.250:1900\r\n
    ST: upnp:rootdevice\r\n
    Man: "ssdp:discover"\r\n
    MX: 3\r\n
    \r\n
```

```
[Full request URI: http://239.255.255.250:1900*]
[HTTP request 3/3]
[Prev request in frame: 392]
```