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No.      Time      Source      Destination      Protocol Length Time to Live Time from request Transaction Identifier
Info
28110 2596.288950 192.168.0.10 192.168.0.105 Modbus/TCP 66 255 547
Query: Trans: 547; Unit: 1, Func: 3: Read Holding Registers
Frame 28110: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9},
id 0
Section number: 1
Interface id: 0 (\Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9})
Interface name: \Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9}
Interface description: Ethernet
Encapsulation type: Ethernet (1)
Arrival Time: Apr 26, 2023 23:11:27.539772000 W. Europe Daylight Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1682543487.539772000 seconds
[Time delta from previous captured frame: 0.251615000 seconds]
[Time delta from previous displayed frame: 0.251615000 seconds]
[Time since reference or first frame: 2596.288950000 seconds]
Frame Number: 28110
Frame Length: 66 bytes (528 bits)
Capture Length: 66 bytes (528 bits)
[Frame is marked: True]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp:mhtcp:modbus]
[Coloring Rule Name: TCP]
[Coloring Rule String: tcp]
Ethernet II, Src: Espressi_44:dd:44 (4c:eb:d6:44:dd:44), Dst: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39)
Destination: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39)
Address: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39)
.... ..1. .... = LG bit: Locally administered address (this is NOT the factory default)
.... ..0. .... = IG bit: Individual address (unicast)
Source: Espressi_44:dd:44 (4c:eb:d6:44:dd:44)
Address: Espressi_44:dd:44 (4c:eb:d6:44:dd:44)
.... ..0. .... = LG bit: Globally unique address (factory default)
.... ..0. .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.0.10, Dst: 192.168.0.105
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 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: 0x32d0 (13008)
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: 255
Protocol: TCP (6)
Header Checksum: 0x0730 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.0.10
Destination Address: 192.168.0.105
Transmission Control Protocol, Src Port: 54315, Dst Port: 502, Seq: 24901, Ack: 187620, Len: 12
Source Port: 54315
Destination Port: 502
[Stream index: 0]
[Conversation completeness: Incomplete (12)]
[TCP Segment Len: 12]
Sequence Number: 24901 (relative sequence number)
Sequence Number (raw): 3562911477
[Next Sequence Number: 24913 (relative sequence number)]
Acknowledgment Number: 187620 (relative ack number)
Acknowledgment number (raw): 554241044
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: 5279
[Calculated window size: 5279]
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[Window size scaling factor: -1 (unknown)]
Checksum: 0x85f6 [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
  [Time since first frame in this TCP stream: 2593.397024000 seconds]
  [Time since previous frame in this TCP stream: 2.252494000 seconds]
[SEQ/ACK analysis]
  [Bytes in flight: 12]
  [Bytes sent since last PSH flag: 12]
TCP payload (12 bytes)
[PDU Size: 12]
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Modbus/TCP
Transaction Identifier: 547
Protocol Identifier: 0
Length: 6
Unit Identifier: 1
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Modbus
.000 0011 = Function Code: Read Holding Registers (3)
Reference Number: 300
Word Count: 125
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0000 3a 67 3a 76 01 39 4c eb d6 44 dd 44 08 00 45 00 :g:v.9L..D.D..E.
0010 00 34 32 d0 00 00 ff 06 07 30 c0 a8 00 0a c0 a8 .42.....0.....
0020 00 69 d4 2b 01 f6 d4 5d b6 f5 21 09 0c 14 50 18 .i.+...]!...P.
0030 14 9f 85 f6 00 00 02 23 00 00 06 01 03 01 2c .....#.....,
0040 00 7d .}
```

No.	Time	Source	Destination	Protocol	Length	Time to Live	Time from request	Transaction Identifier
28111	2596.433665	192.168.0.105	192.168.0.10	Modbus/TCP	313	255	0.144715000	547

Info
 Response: Trans: 547; Unit: 1, Func: 3: Read Holding Registers
 Frame 28111: 313 bytes on wire (2504 bits), 313 bytes captured (2504 bits) on interface \Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9}, id 0
 Section number: 1
 Interface id: 0 (\Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9})
 Interface name: \Device\NPF_{AB2356DE-10C2-49C6-BB3F-B523B92E71B9}
 Interface description: Ethernet
 Encapsulation type: Ethernet (1)
 Arrival Time: Apr 26, 2023 23:11:27.684487000 W. Europe Daylight Time
 [Time shift for this packet: 0.000000000 seconds]
 Epoch Time: 1682543487.684487000 seconds
 [Time delta from previous captured frame: 0.144715000 seconds]
 [Time delta from previous displayed frame: 0.144715000 seconds]
 [Time since reference or first frame: 2596.433665000 seconds]
 Frame Number: 28111
 Frame Length: 313 bytes (2504 bits)
 Capture Length: 313 bytes (2504 bits)
 [Frame is marked: True]
 [Frame is ignored: False]
 [Protocols in frame: eth:ethertype:ip:tcp:mbedtls:modbus]
 [Coloring Rule Name: TCP]
 [Coloring Rule String: tcp]
 Ethernet II, Src: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39), Dst: Espressi_44:dd:44 (4c:eb:d6:44:dd:44)
 Destination: Espressi_44:dd:44 (4c:eb:d6:44:dd:44)
 Address: Espressi_44:dd:44 (4c:eb:d6:44:dd:44)
 00. = LG bit: Globally unique address (factory default)
 00. = IG bit: Individual address (unicast)
 Source: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39)
 Address: 3a:67:3a:76:01:39 (3a:67:3a:76:01:39)
 01. = LG bit: Locally administered address (this is NOT the factory default)
 00. = IG bit: Individual address (unicast)
 Type: IPv4 (0x0800)
 Internet Protocol Version 4, Src: 192.168.0.105, Dst: 192.168.0.10
 0100 = Version: 4
 0101 = Header Length: 20 bytes (5)
 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
 0000 00.. = Differentiated Services Codepoint: Default (0)
 0000 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
 Total Length: 299
 Identification: 0xfe2a (65066)
 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: 255
 Protocol: TCP (6)
 Header Checksum: 0x3ade [validation disabled]
 [Header checksum status: Unverified]
 Source Address: 192.168.0.105
 Destination Address: 192.168.0.10
 Transmission Control Protocol, Src Port: 502, Dst Port: 54315, Seq: 187620, Ack: 24913, Len: 259
 Source Port: 502
 Destination Port: 54315
 [Stream index: 0]
 [Conversation completeness: Incomplete (12)]
 [TCP Segment Len: 259]
 Sequence Number: 187620 (relative sequence number)
 Sequence Number (raw): 554241044
 [Next Sequence Number: 187879 (relative sequence number)]
 Acknowledgment Number: 24913 (relative ack number)
 Acknowledgment number (raw): 3562911489
 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: 1564
 [Calculated window size: 1564]

[Window size scaling factor: -1 (unknown)]
Checksum: 0x856c [unverified]
[Checksum Status: Unverified]
Urgent Pointer: 0
[Timestamps]
[Time since first frame in this TCP stream: 2593.541739000 seconds]
[Time since previous frame in this TCP stream: 0.144715000 seconds]
[SEQ/ACK analysis]
[This is an ACK to the segment in frame: 28110]
[The RTT to ACK the segment was: 0.144715000 seconds]
[Bytes in flight: 259]
[Bytes sent since last PSH flag: 259]
TCP payload (259 bytes)
[PDU Size: 259]

Modbus/TCP

Transaction Identifier: 547
Protocol Identifier: 0
Length: 253
Unit Identifier: 1

Modbus

.000 0011 = Function Code: Read Holding Registers (3)

[Request Frame: 28110]
[Time from request: 0.144715000 seconds]
Byte Count: 250

Register 300 (UINT16): 3
Register Number: 300
Register Value (UINT16): 3
Register 301 (UINT16): 0
Register Number: 301
Register Value (UINT16): 0
Register 302 (UINT16): 0
Register Number: 302
Register Value (UINT16): 0
Register 303 (UINT16): 0
Register Number: 303
Register Value (UINT16): 0
Register 304 (UINT16): 1232
Register Number: 304
Register Value (UINT16): 1232
Register 305 (UINT16): 0
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Register Value (UINT16): 0
Register 306 (UINT16): 17249
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Register 307 (UINT16): 0
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Register Value (UINT16): 0
Register 308 (UINT16): 17250
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Register 309 (UINT16): 47186
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Register Value (UINT16): 47186
Register 310 (UINT16): 17257
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Register 311 (UINT16): 26214
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0010	01 2b fe 2a 00 00 ff 06 3a de c0 a8 00 69 c0 a8	.+.*.....:.....i..
0020	00 0a 01 f6 d4 2b 21 09 0c 14 d4 5d b7 01 50 18+!.....]..P.
0030	06 1c 85 6c 00 00 02 23 00 00 00 fd 01 03 fa 00	...l...#.....
0040	03 00 00 00 00 00 00 04 d0 00 00 43 61 00 00 43	.....Ca..C
0050	62 b8 52 43 69 66 66 ff ff ff ff ff ff ff ff ff	b.RCiff.....
0060	ff ff ff ff ff ff ff ff 00 00 00 00 00 00 00 00	.....
0070	00 00 00 ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
0080	ff ff ff 00 00 00 00 42 47 d7 0b ff ff ff ff ff ff	.....BG.....
0090	ff ff ff ff ff ff ff ff 00 00 00 00 ff ff ff ff ff	.....
00a0	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
00b0	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
00c0	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
00d0	ff ff ff 41 41 72 c7 00 00 00 00 ff ff ff ff ff	...AAr.....
00e0	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
00f0	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
0100	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
0110	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
0120	ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff	.....
0130	ff ff ff ff ff ff ff ff ff	.....