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No.      Time             Source              Destination         Protocol Length Info
     474 09:05:31.883550    192.168.1.109       128.119.245.12      TCP      110    2538 → 80 [SYN] Seq=0 Win=16384 Len=0 MSS=1460
SACK_PERM
Frame 474: 110 bytes on wire (880 bits), 110 bytes captured (880 bits)
    Encapsulation type: IEEE 802.11 plus radiotap radio header (23)
    Arrival Time: Jun 29, 2007 09:05:31.883550000 SE Asia Standard Time
    UTC Arrival Time: Jun 29, 2007 02:05:31.883550000 UTC
    Epoch Arrival Time: 1183082731.883550000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.001580000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 24.811093000 seconds]
    Frame Number: 474
    Frame Length: 110 bytes (880 bits)
    Capture Length: 110 bytes (880 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: radiotap:wlan_radio:wlan:llc:ip:tcp]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
Radiotap Header v0, Length 24
    Header revision: 0
    Header pad: 0
    Header length: 24
    Present flags
        Present flags word: 0x000058ee
            .... .... .... .... .... .... .... ...0 = TSFT: Absent
            .... .... .... .... .... .... .... ..1. = Flags: Present
            .... .... .... .... .... .... .... .1.. = Rate: Present
            .... .... .... .... .... .... .... 1... = Channel: Present
            .... .... .... .... .... .... ...0 .... = FHSS: Absent
            .... .... .... .... .... .... ..1. .... = dBm Antenna Signal: Present
            .... .... .... .... .... .... .1.. .... = dBm Antenna Noise: Present
            .... .... .... .... .... .... 1... .... = Lock Quality: Present
            .... .... .... .... .... ...0 .... .... = TX Attenuation: Absent
            .... .... .... .... .... ..0. .... .... = dB TX Attenuation: Absent
            .... .... .... .... .... .0.. .... .... = dBm TX Power: Absent
            .... .... .... .... .... 1... .... .... = Antenna: Present
            .... .... .... .... ...1 .... .... .... = dB Antenna Signal: Present
            .... .... .... .... ..0. .... .... .... = dB Antenna Noise: Absent
            .... .... .... .... .1.. .... .... .... = RX flags: Present
            .... .... .... .... 0... .... .... .... = TX flags: Absent
            .... .... .... ..0. .... .... .... .... = data retries: Absent
            .... .... .... .0.. .... .... .... .... = Channel+: Absent
            .... .... .... 0... .... .... .... .... = MCS information: Absent
            .... .... ...0 .... .... .... .... .... = A-MPDU Status: Absent
            .... .... ..0. .... .... .... .... .... = VHT information: Absent
            .... .... .0.. .... .... .... .... .... = frame timestamp: Absent
            .... 0... .... .... .... .... .... .... = HE information: Absent
            .... ...0 .... .... .... .... .... .... = HE-MU information: Absent
            .... .0.. .... .... .... .... .... .... = 0 Length PSDU: Absent
            .... 0... .... .... .... .... .... .... = L-SIG: Absent
            .... ..0. .... .... .... .... .... .... = Reserved: 0x0
            ...0 .... .... .... .... .... .... .... = TLVs: Absent
            ..0. .... .... .... .... .... .... .... = Radiotap NS next: False
            .0.. .... .... .... .... .... .... .... = Vendor NS next: False
            0... .... .... .... .... .... .... .... = Ext: Absent
    Flags: 0x10
        .... ...0 = CFP: False
        .... ..0. = Preamble: Long
        .... .0.. = WEP: False
        .... 0... = Fragmentation: False
        ...1 .... = FCS at end: True
        ..0. .... = Data Pad: False
        .0.. .... = Bad FCS: False
        0... .... = Short GI: False
    Data Rate: 48.0 Mb/s
    Channel frequency: 2437 [2.4 GHz 6]
    Channel flags: 0x00c0, Orthogonal Frequency-Division Multiplexing (OFDM), 2 GHz spectrum
        .... .... .... ...0 = 700 MHz spectrum: False
        .... .... .... ..0. = 800 MHz spectrum: False
        .... .... .... .0.. = 900 MHz spectrum: False
        .... .... ...0 .... = Turbo: False
        .... .... ..0. .... = Complementary Code Keying (CCK): False
        .... .... .1.. .... = Orthogonal Frequency-Division Multiplexing (OFDM): True
        .... .... 1... .... = 2 GHz spectrum: True
        .... ...0 .... .... = 5 GHz spectrum: False
        .... ..0. .... .... = Passive: False
        .... .0.. .... .... = Dynamic CCK-OFDM: False
        .... 0... .... .... = Gaussian Frequency Shift Keying (GFSK): False
        ...0 .... .... .... = GSM (900MHz): False
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             ..0. .... .... .... = Static Turbo: False
             .0.. .... .... .... = Half Rate Channel (10MHz Channel Width): False
             0... .... .... .... = Quarter Rate Channel (5MHz Channel Width): False
        Antenna signal: -38 dBm
        Antenna noise: -100 dBm
        Signal Quality: 96
        Antenna: 0
        dB antenna signal: 62 dB
        RX flags: 0xfce0
             .... .... .... .... .... ..0. = Bad PLCP: False
802.11 radio information
        PHY type: 802.11g (ERP) (6)
        Proprietary mode: None (0)
        Data rate: 48.0 Mb/s
        Channel: 6
        Frequency: 2437MHz
        Signal strength (dB): 62 dB
        Signal strength (dBm): -38 dBm
        Noise level (dBm): -100 dBm
        Signal/noise ratio (dB): 62 dB
        [Duration: 36µs]
             [Preamble: 20µs]
IEEE 802.11 QoS Data, Flags: .......TC
        Type/Subtype: QoS Data (0x0028)
        Frame Control Field: 0x8801
             .... ..00 = Version: 0
             .... 10.. = Type: Data frame (2)
             1000 .... = Subtype: 8
             Flags: 0x01
                  .... ..01 = DS status: Frame from STA to DS via an AP (To DS: 1 From DS: 0) (0x1)
                  .... .0.. = More Fragments: This is the last fragment
                  .... 0... = Retry: Frame is not being retransmitted
                  ...0 .... = PWR MGT: STA will stay up
                  ..0. .... = More Data: No data buffered
                  .0.. .... = Protected flag: Data is not protected
                  0... .... = +HTC/Order flag: Not strictly ordered
        .000 0000 0010 1100 = Duration: 44 microseconds
        Receiver address: CiscoLinksys_f7:1d:51 (00:16:b6:f7:1d:51)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        Transmitter address: Intel_d1:b6:4f (00:13:02:d1:b6:4f)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        Destination address: CiscoLinksys_f4:eb:a8 (00:16:b6:f4:eb:a8)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        Source address: Intel_d1:b6:4f (00:13:02:d1:b6:4f)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        BSS Id: CiscoLinksys_f7:1d:51 (00:16:b6:f7:1d:51)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        STA address: Intel_d1:b6:4f (00:13:02:d1:b6:4f)
             .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
             .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
        .... .... .... 0000 = Fragment number: 0
        0000 0011 0001 .... = Sequence number: 49
        Frame check sequence: 0xad57fce0 [unverified]
        [FCS Status: Unverified]
        [WLAN Flags: .......TC]
        Qos Control: 0x0000
             .... .... .... 0000 = TID: 0
             [.... .... .... .000 = Priority: Best Effort (Best Effort) (0)]
             .... .... ...0 .... = QoS bit 4: Bits 8-15 of QoS Control field are TXOP Duration Requested
             .... .... .00. .... = Ack Policy: Normal Ack (0x0)
             .... .... 0... .... = Payload Type: MSDU
             0000 0000 .... .... = TXOP Duration Requested: 0 (no TXOP requested)
Logical-Link Control
        DSAP: SNAP (0xaa)
             1010 101. = SAP: SNAP
             .... ...0 = IG Bit: Individual
        SSAP: SNAP (0xaa)
             1010 101. = SAP: SNAP
             .... ...0 = CR Bit: Command
        Control field: U, func=UI (0x03)
             000. 00.. = Command: Unnumbered Information (0x00)
             .... ..11 = Frame type: Unnumbered frame (0x3)
        Organization Code: 00:00:00 (Officially Xerox, but 0:0:0:0:0:0 is more common)
        Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.109, Dst: 128.119.245.12
        0100 .... = Version: 4
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    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 48
    Identification: 0x1324 (4900)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = 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: 0xb00a [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.1.109
    Destination Address: 128.119.245.12
    [Stream index: 1]
Transmission Control Protocol, Src Port: 2538, Dst Port: 80, Seq: 0, Len: 0
    Source Port: 2538
    Destination Port: 80
    [Stream index: 0]
    [Stream Packet Number: 1]
    [Conversation completeness: Complete, WITH_DATA (31)]
        ..0. .... = RST: Absent
        ...1 .... = FIN: Present
        .... 1... = Data: Present
        .... .1.. = ACK: Present
        .... ..1. = SYN-ACK: Present
        .... ...1 = SYN: Present
        [Completeness Flags: ·FDASS]
    [TCP Segment Len: 0]
    Sequence Number: 0    (relative sequence number)
    Sequence Number (raw): 1907346758
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 0
    Acknowledgment number (raw): 0
    0111 .... = Header Length: 28 bytes (7)
    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: 16384
    [Calculated window size: 16384]
    Checksum: 0xc255 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
    Options: (8 bytes), Maximum segment size, 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 - 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]
[Community ID: 1:iTG936CaeSdl5pv+A5nfBXecWh8=]
TRANSUM RTE Data
    [RTE Status: OK]
    [Req First Seg: 474]
    [Req Last Seg: 474]
    [Rsp First Seg: 476]
    [Rsp Last Seg: 476]
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[APDU Rsp Time: 0.016658000 seconds]
[Service Time: 0.016658000 seconds]
[Req Spread: 0.000000000 seconds]
[Rsp Spread: 0.000000000 seconds]
[Trace clip filter: tcp.stream==0 && frame.number>=474 && frame.number<=476]
[Calculation: SYN and SYN/ACK]