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No.     Time               Source                Destination           Protocol Length Info
    476 09:05:31.900208    128.119.245.12        192.168.1.109         TCP      110    80 → 2538 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0
SACK_PERM
Frame 476: 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 09:05:31.900208000 SE Asia Standard Time
    UTC Arrival Time: Jun 29, 2007 02:05:31.900208000 UTC
    Epoch Arrival Time: 1183082731.900208000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.016520000 seconds]
    [Time delta from previous displayed frame: 0.000000000 seconds]
    [Time since reference or first frame: 24.827751000 seconds]
    Frame Number: 476
    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: 54.0 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: 82
    Antenna: 0
    dB antenna signal: 62 dB
    RX flags: 0x407d
        .... .... .... .... .... ..0. = Bad PLCP: False
802.11 radio information
    PHY type: 802.11g (ERP) (6)
    Proprietary mode: None (0)
    Data rate: 54.0 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: ..mP..F.C
    Type/Subtype: QoS Data (0x0028)
    Frame Control Field: 0x8832
        .... ..00 = Version: 0
        .... 10.. = Type: Data frame (2)
        1000 .... = Subtype: 8
        Flags: 0x32
            .... ..10 = DS status: Frame from DS to a STA via AP(To DS: 0 From DS: 1) (0x2)
            .... .0.. = More Fragments: This is the last fragment
            .... 0... = Retry: Frame is not being retransmitted
            ...1 .... = PWR MGT: STA will go to sleep
            ..1. .... = More Data: Data is buffered for STA at AP
            .0.. .... = Protected flag: Data is not protected
            0... .... = +HTC/Order flag: Not strictly ordered
    Duration/ID: 11560 (reserved)
    Receiver address: 91:2a:b0:49:b6:4f (91:2a:b0:49:b6:4f)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    Transmitter 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)
    Destination address: 91:2a:b0:49:b6:4f (91:2a:b0:49:b6:4f)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    Source 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)
    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: 91:2a:b0:49:b6:4f (91:2a:b0:49:b6:4f)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...1 .... .... .... .... = IG bit: Group address (multicast/broadcast)
    .... .... .... 0000 = Fragment number: 0
    1100 0011 0100 .... = Sequence number: 3124
    Frame check sequence: 0xecdc407d [unverified]
    [FCS Status: Unverified]
    [WLAN Flags: ..mP..F.C]
    Qos Control: 0x0100
        .... .... .... 0000 = TID: 0
        [.... .... .... .000 = Priority: Best Effort (Best Effort) (0)]
        .... .... ...0 .... = EOSP: Service period
        .... .... .00. .... = Ack Policy: Normal Ack (0x0)
        .... .... 0... .... = Payload Type: MSDU
        0000 0001 .... .... = QAP PS Buffer State: 0x01
            .... ..0. .... .... = Buffer State Indicated: No
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: 128.119.245.12, Dst: 192.168.1.109
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    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 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: 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: 49
    Protocol: TCP (6)
    Header Checksum: 0x122f [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 192.168.1.109
    [Stream index: 1]
Transmission Control Protocol, Src Port: 80, Dst Port: 2538, Seq: 0, Ack: 1, Len: 0
    Source Port: 80
    Destination Port: 2538
    [Stream index: 0]
    [Stream Packet Number: 2]
    [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): 2928664127
    [Next Sequence Number: 1    (relative sequence number)]
    Acknowledgment Number: 1    (relative ack number)
    Acknowledgment number (raw): 1907346759
    0111 .... = Header Length: 28 bytes (7)
    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: 5840
    [Calculated window size: 5840]
    Checksum: 0x5ea5 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 208
        [Expert Info (Note/Protocol): The urgent pointer field is nonzero while the URG flag is not set]
            [The urgent pointer field is nonzero while the URG flag is not set]
            [Severity level: Note]
            [Group: Protocol]
    Options: (8 bytes), CC.ECHO, No-Operation (NOP), No-Operation (NOP), SACK permitted
        TCP Option - CC
            Kind: CC.ECHO (13)
            Length: 4
                [Expert Info (Note/Sequence): option length should be 6]
                    [option length should be 6]
                    [Severity level: Note]
                    [Group: Sequence]
        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
        [Expert Info (Note/Protocol): The SYN packet does not contain a MSS option]
            [The SYN packet does not contain a MSS option]
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            [Severity level: Note]
            [Group: Protocol]
    [Timestamps]
        [Time since first frame in this TCP stream: 0.016658000 seconds]
        [Time since previous frame in this TCP stream: 0.016658000 seconds]
    [SEQ/ACK analysis]
        [This is an ACK to the segment in frame: 474]
        [The RTT to ACK the segment was: 0.016658000 seconds]
        [iRTT: 0.016931000 seconds]
[Community ID: 1:iTG936CaeSdl5pv+A5nfBXecWh8=]
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