

No.	Time	Source	Destination	Protocol	Length	Info
1997	09:06:06.649564	CiscoLinksys_f7:1d:51	Broadcast	802.11	183	Beacon frame, SN=3686, FN=0, Flags=.....C, BI=100, SSID="30 Munroe St"

Frame 1997: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits)

Encapsulation type: IEEE 802.11 plus radiotap radio header (23)

Arrival Time: Jun 29, 2007 09:06:06.649564000 SE Asia Standard Time

UTC Arrival Time: Jun 29, 2007 02:06:06.649564000 UTC

Epoch Arrival Time: 1183082766.649564000

[Time shift for this packet: 0.000000000 seconds]

[Time delta from previous captured frame: 0.102408000 seconds]

[Time delta from previous displayed frame: 0.102408000 seconds]

[Time since reference or first frame: 59.577107000 seconds]

Frame Number: 1997

Frame Length: 183 bytes (1464 bits)

Capture Length: 183 bytes (1464 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: radiotap:wlan_radio:wlan]

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: 1.0 Mb/s

Channel frequency: 2437 [2.4 GHz 6]

Channel flags: 0x00a0, Complementary Code Keying (CCK), 2 GHz spectrum

....0 = 700 MHz spectrum: False
...0. = 800 MHz spectrum: False
...0.. = 900 MHz spectrum: False
...0.... = Turbo: False
...1. = Complementary Code Keying (CCK): True
...0... = Orthogonal Frequency-Division Multiplexing (OFDM): False
...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
...0.... = Static Turbo: False
...0... = Half Rate Channel (10MHz Channel Width): False

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    0... .. = Quarter Rate Channel (5MHz Channel Width): False
Antenna signal: -30 dBm
Antenna noise: -100 dBm
Signal Quality: 100
Antenna: 0
dB antenna signal: 70 dB
RX flags: 0x1818
    .... .. = Bad PLCP: False
802.11 radio information
PHY type: 802.11b (HR/DSSS) (4)
Short preamble: False
Data rate: 1.0 Mb/s
Channel: 6
Frequency: 2437MHz
Signal strength (dB): 70 dB
Signal strength (dBm): -30 dBm
Noise level (dBm): -100 dBm
Signal/noise ratio (dB): 70 dB
[Duration: 1464µs]
[Preamble: 192µs]
IEEE 802.11 Beacon frame, Flags: .....C
Type/Subtype: Beacon frame (0x0008)
Frame Control Field: 0x8000
    .... .. = Version: 0
    .... .. = Type: Management frame (0)
    1000 .... = Subtype: 8
    Flags: 0x00
        .... .. = DS status: Not leaving DS or network is operating in AD-HOC mode (To DS: 0 From DS: 0) (0x0)
        .... .. = More Fragments: This is the last fragment
        .... .. = 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 0000 0000 = Duration: 0 microseconds
Receiver address: Broadcast (ff:ff:ff:ff:ff:ff)
    .... ..1. .... = LG bit: Locally administered address (this is NOT the factory default)
    .... ..1. .... = IG bit: Group address (multicast/broadcast)
Destination address: Broadcast (ff:ff:ff:ff:ff:ff)
    .... ..1. .... = LG bit: Locally administered address (this is NOT the 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)
Source 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)
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)
    .... ..0000 = Fragment number: 0
    1110 0110 0110 .... = Sequence number: 3686
Frame check sequence: 0xe0b51818 [unverified]
[FCS Status: Unverified]
[WLAN Flags: .....C]
IEEE 802.11 Wireless Management
Fixed parameters (12 bytes)
    Timestamp: 174378598786
    Beacon Interval: 0.102400 [Seconds]
    Capabilities Information: 0x0601
        .... ..1 = ESS capabilities: Transmitter is an AP
        .... ..0. = IBSS status: Transmitter belongs to a BSS
        .... ....0.. = Reserved: 0
        .... ....0... = Reserved: 0
        .... ....0 .... = Privacy: Data confidentiality not required
        .... ....0. .... = Short Preamble: Not Allowed
        .... ....0.. .... = Critical Update Flag: False
        .... ....0... .... = Nontransmitted BSSIDs Critical Update Flag: False
        .... ....0 .... = Spectrum Management: Not Implemented
        .... ..1. .... = QoS: Implemented
        .... ..1.. .... = Short Slot Time: In use
        .... ..0... .... = Automatic Power Save Delivery: Not Implemented
        .... ..0 .... = Radio Measurement: Not Implemented
        ..0. .... .... = EPD: Not Implemented
        .0.. .... .... = Reserved: 0
        0... .... .... = Reserved: 0
Tagged parameters (119 bytes)
    Tag: SSID parameter set: "30 Munroe St"
        Tag Number: SSID parameter set (0)
        Tag length: 12
        SSID: "30 Munroe St"

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Tag: Supported Rates 1(B), 2(B), 5.5(B), 11(B), [Mbit/sec]
Tag Number: Supported Rates (1)
Tag length: 4
Supported Rates: 1(B) (0x82)
Supported Rates: 2(B) (0x84)
Supported Rates: 5.5(B) (0x8b)
Supported Rates: 11(B) (0x96)
Tag: DS Parameter set: Current Channel: 6
Tag Number: DS Parameter set (3)
Tag length: 1
Current Channel: 6
Tag: Traffic Indication Map (TIM): DTIM 0 of 1 bitmap
Tag Number: Traffic Indication Map (TIM) (5)
Tag length: 4
DTIM count: 0
DTIM period: 1
Bitmap control: 0x00
.... 0 = Multicast: False
0000 000. = Bitmap Offset: 0x00
Partial Virtual Bitmap: 00
Tag: Country Information: Country Code US, Environment Indoor
Tag Number: Country Information (7)
Tag length: 6
Code: US
Environment: Indoor (73)
Country Info: First Channel Number: 1, Number of Channels: 11, Maximum Transmit Power Level: 26 dBm
First Channel Number: 1
Number of Channels: 11
Maximum Transmit Power Level: 26 dBm
Tag: EDCA Parameter Set
Tag Number: EDCA Parameter Set (12)
Tag length: 18
WME QoS Info: 0x0f
0... .... = U-APSD: Disabled
.... 1111 = Parameter Set Count: 0xf
.000 .... = Reserved: 0x0
Reserved: 00
Ac Parameters ACI 0 (Best Effort), ACM no, AIFSN 3, ECWmin/max 4/10 (CWmin/max 15/1023), TXOP 0
ACI / AIFSN Field: 0x03
.00. .... = ACI: Best Effort (0)
...0 .... = Admission Control Mandatory: No
.... 0011 = AIFSN: 3
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10 (CW Max: 1023)
.... 0100 = ECW Min: 4 (CW Min: 15)
TXOP Limit: 0
Ac Parameters ACI 1 (Background), ACM no, AIFSN 7, ECWmin/max 4/10 (CWmin/max 15/1023), TXOP 0
ACI / AIFSN Field: 0x27
.01. .... = ACI: Background (1)
...0 .... = Admission Control Mandatory: No
.... 0111 = AIFSN: 7
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10 (CW Max: 1023)
.... 0100 = ECW Min: 4 (CW Min: 15)
TXOP Limit: 0
Ac Parameters ACI 2 (Video), ACM no, AIFSN 2, ECWmin/max 3/4 (CWmin/max 7/15), TXOP 94
ACI / AIFSN Field: 0x42
.10. .... = ACI: Video (2)
...0 .... = Admission Control Mandatory: No
.... 0010 = AIFSN: 2
0... .... = Reserved: 0
ECW: 0x43
0100 .... = ECW Max: 4 (CW Max: 15)
.... 0011 = ECW Min: 3 (CW Min: 7)
TXOP Limit: 94
Ac Parameters ACI 3 (Voice), ACM no, AIFSN 2, ECWmin/max 2/3 (CWmin/max 3/7), TXOP 47
ACI / AIFSN Field: 0x62
.11. .... = ACI: Voice (3)
...0 .... = Admission Control Mandatory: No
.... 0010 = AIFSN: 2
0... .... = Reserved: 0
ECW: 0x32
0011 .... = ECW Max: 3 (CW Max: 7)
.... 0010 = ECW Min: 2 (CW Min: 3)
TXOP Limit: 47
Tag: ERP Information
Tag Number: ERP Information (42)
Tag length: 1
ERP Information: 0x00

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.... ...0 = Non ERP Present: Not set
.... ..0. = Use Protection: Not set
.... .0.. = Barker Preamble Mode: Not set
0000 0... = Reserved: 0x00
Tag: Extended Supported Rates 6(B), 9, 12(B), 18, 24(B), 36, 48, 54, [Mbit/sec]
Tag Number: Extended Supported Rates (50)
Tag length: 8
Extended Supported Rates: 6(B) (0x8c)
Extended Supported Rates: 9 (0x12)
Extended Supported Rates: 12(B) (0x98)
Extended Supported Rates: 18 (0x24)
Extended Supported Rates: 24(B) (0xb0)
Extended Supported Rates: 36 (0x48)
Extended Supported Rates: 48 (0x60)
Extended Supported Rates: 54 (0x6c)
Tag: Vendor Specific: Airgo Networks, Inc.
Tag Number: Vendor Specific (221)
Tag length: 21
OUI: 00:0a:f5 (Airgo Networks, Inc.)
Vendor Specific OUI Type: 10
Vendor Specific Data: 0a0240c000030103050e04ff000300110101
Tag: Vendor Specific: Microsoft Corp.: WMM/WME: Parameter Element
Tag Number: Vendor Specific (221)
Tag length: 24
OUI: 00:50:f2 (Microsoft Corp.)
Vendor Specific OUI Type: 2
Type: WMM/WME (0x02)
WME Subtype: Parameter Element (1)
WME Version: 1
WME QoS Info: 0x0f
0... .... = U-APSD: Disabled
.... 1111 = Parameter Set Count: 0xf
.000 .... = Reserved: 0x0
Reserved: 00
Ac Parameters ACI 0 (Best Effort), ACM no, AIFSN 3, ECWmin/max 4/10 (CWmin/max 15/1023), TXOP 0
ACI / AIFSN Field: 0x03
.00. .... = ACI: Best Effort (0)
...0 .... = Admission Control Mandatory: No
.... 0011 = AIFSN: 3
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10 (CW Max: 1023)
.... 0100 = ECW Min: 4 (CW Min: 15)
TXOP Limit: 0
Ac Parameters ACI 1 (Background), ACM no, AIFSN 7, ECWmin/max 4/10 (CWmin/max 15/1023), TXOP 0
ACI / AIFSN Field: 0x27
.01. .... = ACI: Background (1)
...0 .... = Admission Control Mandatory: No
.... 0111 = AIFSN: 7
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10 (CW Max: 1023)
.... 0100 = ECW Min: 4 (CW Min: 15)
TXOP Limit: 0
Ac Parameters ACI 2 (Video), ACM no, AIFSN 2, ECWmin/max 3/4 (CWmin/max 7/15), TXOP 94
ACI / AIFSN Field: 0x42
.10. .... = ACI: Video (2)
...0 .... = Admission Control Mandatory: No
.... 0010 = AIFSN: 2
0... .... = Reserved: 0
ECW: 0x43
0100 .... = ECW Max: 4 (CW Max: 15)
.... 0011 = ECW Min: 3 (CW Min: 7)
TXOP Limit: 94
Ac Parameters ACI 3 (Voice), ACM no, AIFSN 2, ECWmin/max 2/3 (CWmin/max 3/7), TXOP 47
ACI / AIFSN Field: 0x62
.11. .... = ACI: Voice (3)
...0 .... = Admission Control Mandatory: No
.... 0010 = AIFSN: 2
0... .... = Reserved: 0
ECW: 0x32
0011 .... = ECW Max: 3 (CW Max: 7)
.... 0010 = ECW Min: 2 (CW Min: 3)
TXOP Limit: 47

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