

| No. | Time     | Source            | Destination | Protocol | Length | Info                         |
|-----|----------|-------------------|-------------|----------|--------|------------------------------|
| 1   | 0.000000 | Cisco-Li_f7:1d:51 | Broadcast   | 802.11   | 183    | Beacon frame, SN=2854, FN=0, |

Flags=.....C, BI=100, SSID=30 Munroe St

Frame 1: 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 10:05:07.072457000 中国标准时间

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1183082707.072457000 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: 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.. .... = 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.... .... = 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 [BG 6]

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

...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

...0.... = Quarter Rate Channel (5MHz Channel Width): False

Antenna signal: -29dBm

Antenna noise: -100dBm

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Signal Quality: 82
Antenna: 0
dB antenna signal: 71dB
RX flags: 0x2608
.... ..0. = Bad PLCP: False
802.11 radio information
PHY type: 802.11b (4)
Short preamble: False
Data rate: 1.0 Mb/s
Channel: 6
Frequency: 2437MHz
Signal strength (dB): 71dB
Signal strength (dBm): -29dBm
Noise level (dBm): -100dBm
Signal/noise ratio (dB): 71dB
[Duration: 1464µs]
[Preamble: 192µs]
IEEE 802.11 Beacon frame, Flags: .....C
Type/Subtype: Beacon frame (0x0008)
Frame Control Field: 0x8000
.... ..00 = Version: 0
.... 00.. = Type: Management frame (0)
1000 .... = Subtype: 8
Flags: 0x00
.... ..00 = DS status: Not leaving DS or network is operating in AD-HOC mode (To DS: 0 From DS: 0) (0x0)
.... .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... .... = Order flag: Not strictly ordered
.000 0000 0000 0000 = Duration: 0 microseconds
Receiver address: Broadcast (ff:ff:ff:ff:ff:ff)
Destination address: Broadcast (ff:ff:ff:ff:ff:ff)
Transmitter address: Cisco-Li_f7:1d:51 (00:16:b6:f7:1d:51)
Source address: Cisco-Li_f7:1d:51 (00:16:b6:f7:1d:51)
BSS Id: Cisco-Li_f7:1d:51 (00:16:b6:f7:1d:51)
.... .... 0000 = Fragment number: 0
1011 0010 0110 .... = Sequence number: 2854
Frame check sequence: 0x057e2608 [unverified]
[FCS Status: Unverified]
IEEE 802.11 wireless LAN
Fixed parameters (12 bytes)
Timestamp: 174319001986
Beacon Interval: 0.102400 [Seconds]
Capabilities Information: 0x0601
.... .... 1 = ESS capabilities: Transmitter is an AP
.... .... 0. = IBSS status: Transmitter belongs to a BSS
.... ..1. .... 00.. = CFP participation capabilities: QAP (HC) does not use CFP for delivery of unicast data
type frames (0x80)
.... .... 0 .... = Privacy: AP/STA cannot support WEP
.... .... ..0. .... = Short Preamble: Not Allowed
.... .... .0.. .... = PBCC: Not Allowed
.... .... 0... .... = Channel Agility: Not in use
.... .... 0 .... = Spectrum Management: Not Implemented
.... .1.. .... = Short Slot Time: In use
.... 0... .... = Automatic Power Save Delivery: Not Implemented
...0 .... .... = Radio Measurement: Not Implemented
..0. .... .... = DSSS-OFDM: Not Allowed
.0.. .... .... = Delayed Block Ack: Not Implemented
0... .... .... = Immediate Block Ack: Not Implemented
Tagged parameters (119 bytes)
Tag: SSID parameter set: 30 Munroe St
Tag Number: SSID parameter set (0)
Tag length: 12
SSID: 30 Munroe St
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

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Tag: Traffic Indication Map (TIM): DTIM 0 of 0 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 (0x49)
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: 26dBm
Tag: EDCA Parameter Set
Tag Number: EDCA Parameter Set (12)
Tag length: 18
WME QoS Info: 0x0f
0... 0000 = U-APSD: Disabled
.... 1111 = Parameter Set Count: 0xf
.000 0000 = 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
.... 0011 = AIFSN: 3
...0 0000 = Admission Control Mandatory: No
.000. 0000 = ACI: Best Effort (0)
0... 0000 = Reserved: 0
ECW: 0xa4
1010 0000 = ECW Max: 10
.... 0100 = ECW Min: 4
CW Max: 1023
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
.... 0111 = AIFSN: 7
...0 0000 = Admission Control Mandatory: No
.010. 0000 = ACI: Background (1)
0... 0000 = Reserved: 0
ECW: 0xa4
1010 0000 = ECW Max: 10
.... 0100 = ECW Min: 4
CW Max: 1023
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
.... 0010 = AIFSN: 2
...0 0000 = Admission Control Mandatory: No
.100. 0000 = ACI: Video (2)
0... 0000 = Reserved: 0
ECW: 0x43
0100 0000 = ECW Max: 4
.... 0011 = ECW Min: 3
CW Max: 15
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
.... 0010 = AIFSN: 2
...0 0000 = Admission Control Mandatory: No
.110. 0000 = ACI: Voice (3)
0... 0000 = Reserved: 0
ECW: 0x32
0011 0000 = ECW Max: 3
.... 0010 = ECW Min: 2
CW Max: 7
CW Min: 3
TXOP Limit: 47
Tag: ERP Information
Tag Number: ERP Information (42)
Tag length: 1

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ERP Information: 0x00
.... 0 = Non ERP Present: Not set
.... 1 = Use Protection: Not set
.... 2 = 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
.... 0011 = AIFSN: 3
...0 .... = Admission Control Mandatory: No
.00. .... = ACI: Best Effort (0)
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10
.... 0100 = ECW Min: 4
CW Max: 1023
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
.... 0111 = AIFSN: 7
...0 .... = Admission Control Mandatory: No
.01. .... = ACI: Background (1)
0... .... = Reserved: 0
ECW: 0xa4
1010 .... = ECW Max: 10
.... 0100 = ECW Min: 4
CW Max: 1023
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
.... 0010 = AIFSN: 2
...0 .... = Admission Control Mandatory: No
.10. .... = ACI: Video (2)
0... .... = Reserved: 0
ECW: 0x43
0100 .... = ECW Max: 4
.... 0011 = ECW Min: 3
CW Max: 15
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
.... 0010 = AIFSN: 2
...0 .... = Admission Control Mandatory: No
.11. .... = ACI: Voice (3)
0... .... = Reserved: 0

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ECW: 0x32  
0011 .... = ECW Max: 3  
.... 0010 = ECW Min: 2  
CW Max: 7  
CW Min: 3  
TXOP Limit: 47