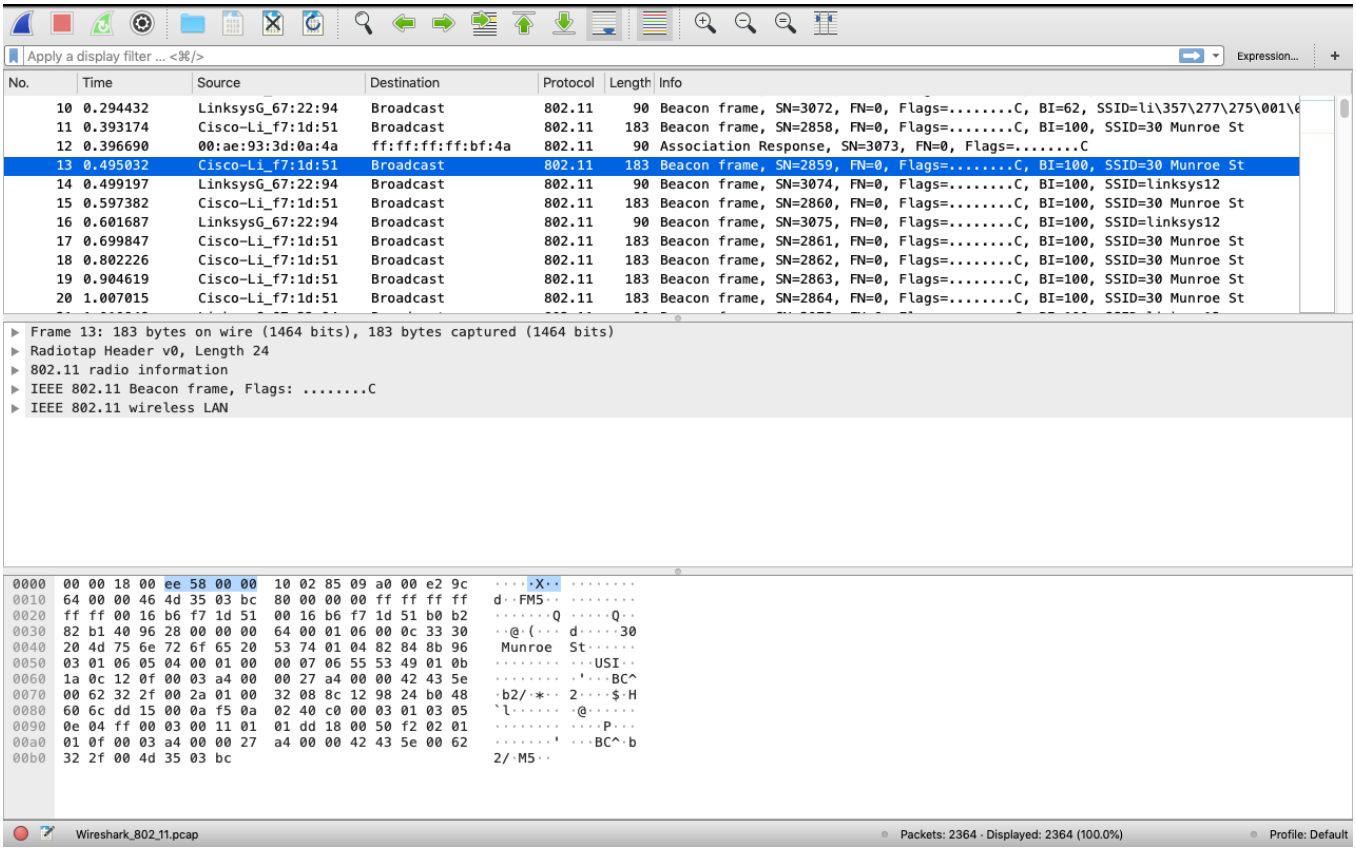
Faisal Alwayli
Lab7
IT 520

Lab will NOT be graded if either of these two is missing.
Questions:

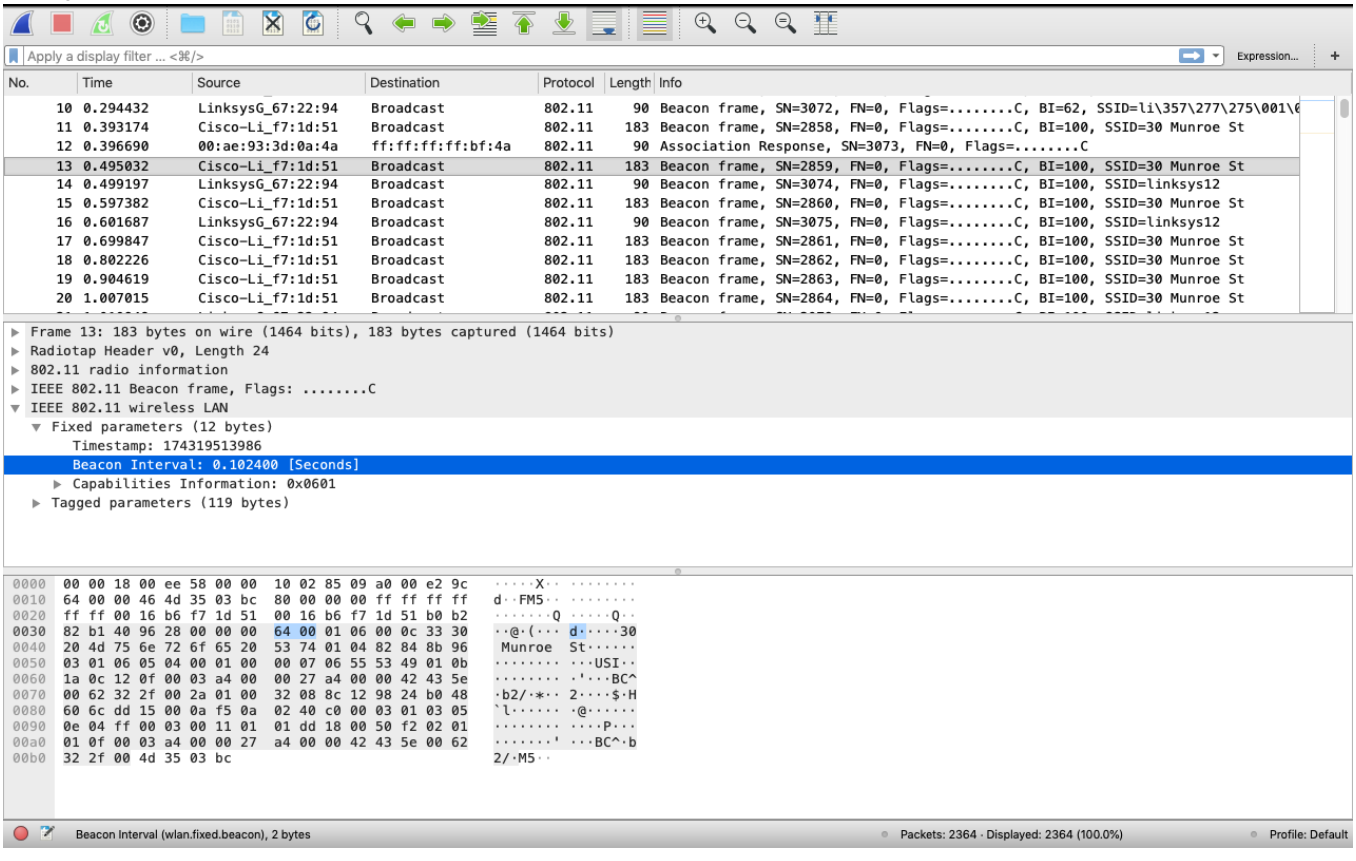
1. What are the SSIDs of the two access points that are issuing most of the beacon frames in this trace?



They are lINKSYS and 30 munroe

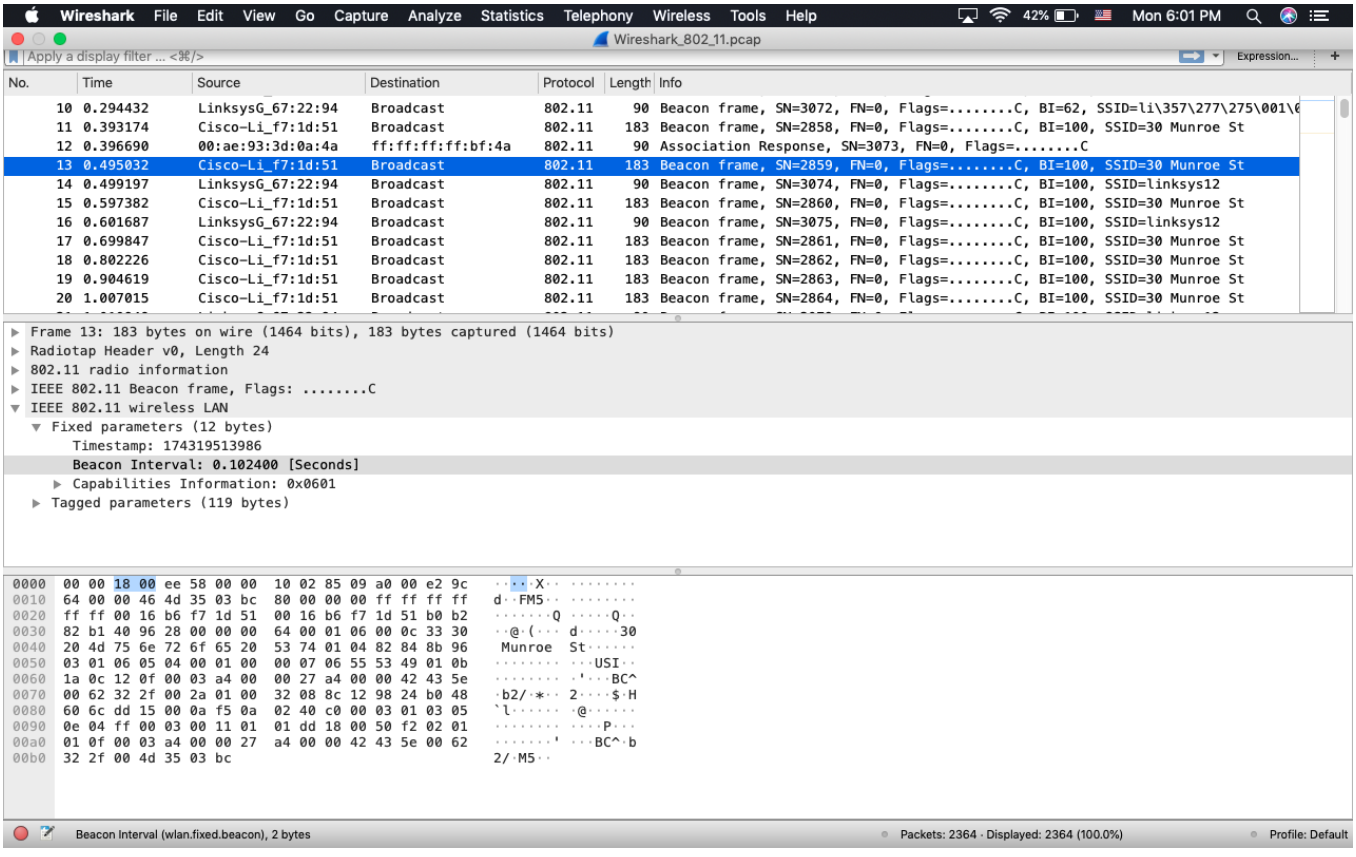
2. What are the intervals of time between the transmissions of the beacon frames the *linksys_ses_24086* access point? From the *30 Munroe St*. access point? (Hint: this interval of time is contained in the beacon frame itself).

They are both 0.102400 seconds



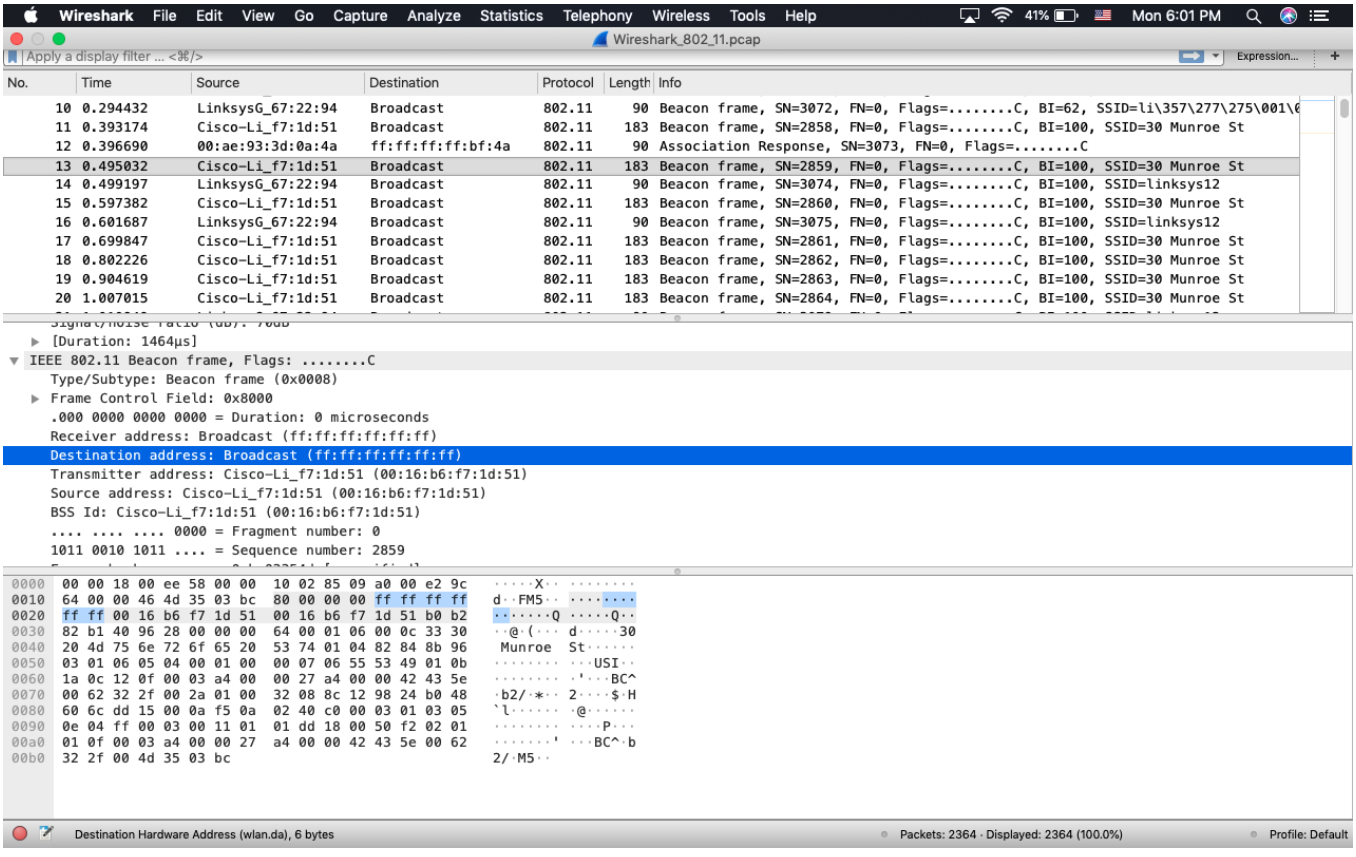
3. What (in hexadecimal notation) is the source MAC address on the beacon frame from *30 Munroe St*? Recall from Figure 7.13 in the text that the source, destination, and BSS are three addresses used in an 802.11 frame. For a detailed discusson of the 802.11 frame structure, see section 7 in the IEEE 802.11 standards document (cited above).

The source MAC address on the bacon frame is 30 munroe st (00:16:b6:f7:1d:51)

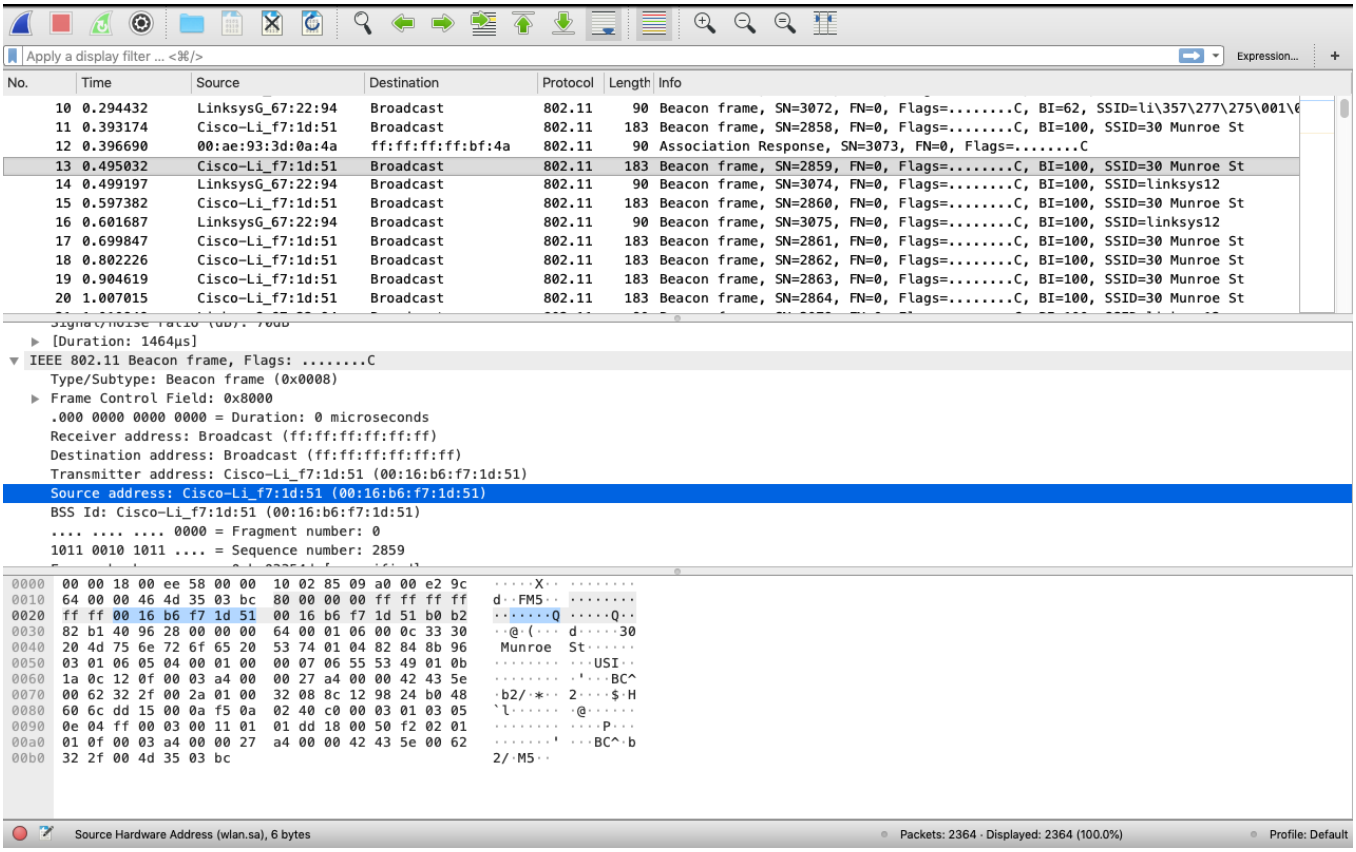


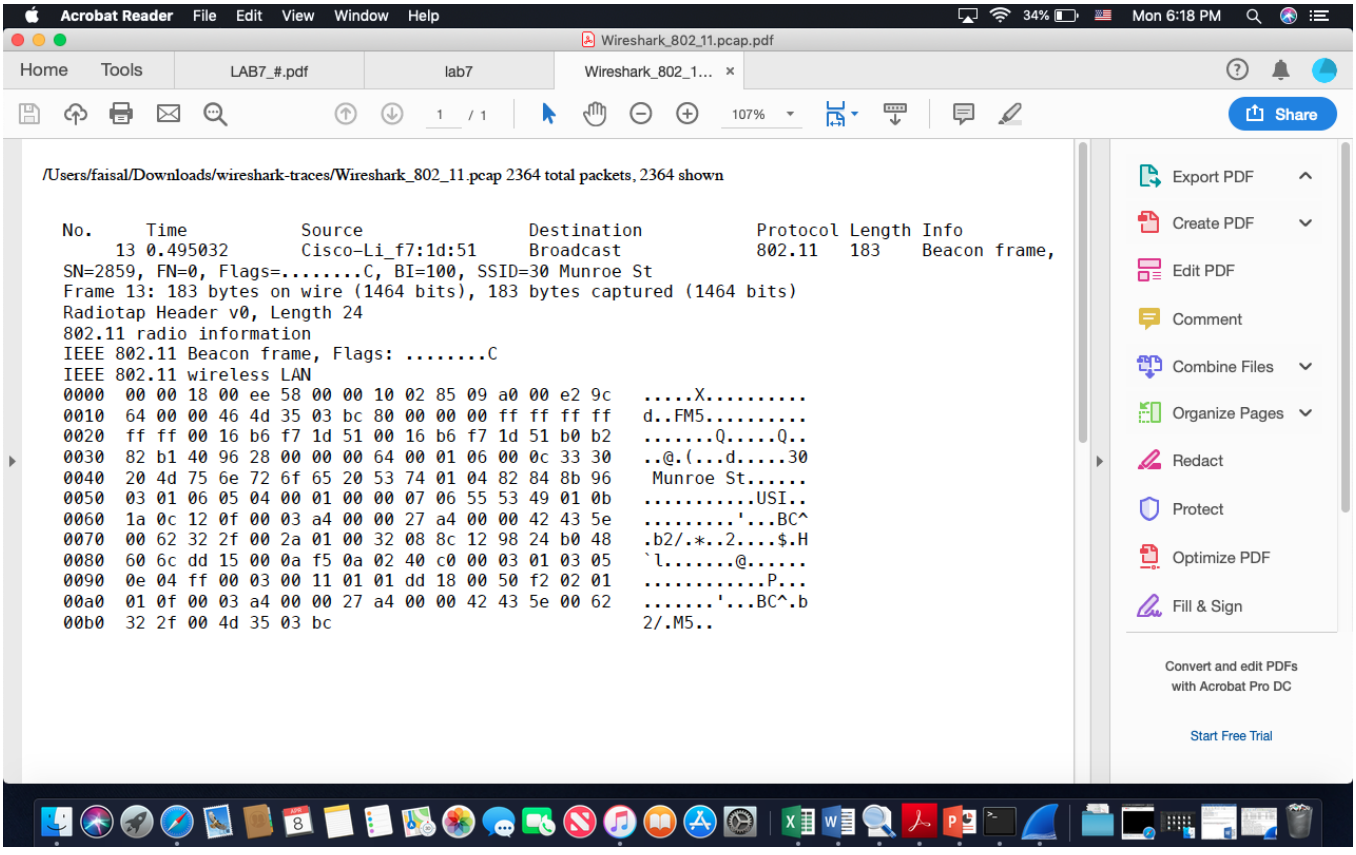
4. What (in hexadecimal notation) is the destination MAC address on the beacon frame from *30 Munroe St*??

The destination MAC address on the bacon frame is 30 munroe st (ff:ff:ff:ff:ff:ff)



5. What (in hexadecimal notation) is the MAC BSS id on the beacon frame from *30 Munroe St*?
The MAC BSS ID on the bacon frame from 30 munroe st is (00:16:b6:f7:1d:51)


Apply a display filter ... <⌘/>
Expression...
No. Time Source Destination Protocol Length Info
10 0.294432 LinksysG_67:22:94 Broadcast 802.11 90 Beacon frame, SN=3072, FN=0, Flags=.....C, BI=62, SSID=li\357\277\275\001\
11 0.393174 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2858, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
12 0.396690 00:ae:93:3d:0a:4a ff:ff:ff:ff:bf:4a 802.11 90 Association Response, SN=3073, FN=0, Flags=.....C
13 0.495032 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2859, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
14 0.499197 LinksysG_67:22:94 Broadcast 802.11 90 Beacon frame, SN=3074, FN=0, Flags=.....C, BI=100, SSID=linksys12
15 0.597382 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2860, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
16 0.601687 LinksysG_67:22:94 Broadcast 802.11 90 Beacon frame, SN=3075, FN=0, Flags=.....C, BI=100, SSID=linksys12
17 0.699847 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2861, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
18 0.802226 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2862, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
19 0.904619 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2863, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
20 1.007015 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame, SN=2864, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
[Duration: 1464µs]
IEEE 802.11 Beacon frame, Flags: C
Type/Subtype: Beacon frame (0x0008)
Frame Control Field: 0x8000
.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 1011 .... = Sequence number: 2859
0000 00 00 18 00 ee 58 00 00 10 02 85 09 a0 00 e2 9c .....X..
0010 64 00 00 46 4d 35 03 bc 80 00 00 00 ff ff ff ff d..FM5..
0020 ff ff 00 16 b6 f7 1d 51 00 16 b6 f7 1d 51 b0 b2 .......Q.....Q..
0030 82 b1 40 96 28 00 00 00 64 00 01 06 00 0c 33 30 ..@.(... d.....30
0040 20 4d 75 6e 72 6f 65 20 53 74 01 04 82 84 8b 96 Munroe St....
0050 03 01 06 05 04 00 01 00 00 07 06 55 53 49 01 0b ...USI..
0060 1a 0c 12 0f 00 03 a4 00 00 27 a4 00 00 42 43 5e .....'...BC^
0070 00 62 32 2f 00 2a 01 00 32 08 8c 12 98 24 b0 48 .b2/.*..2....$.H
0080 60 6c dd 15 00 0a f5 0a 02 40 c0 00 03 01 03 05 `l.....@.....
0090 0e 04 ff 00 03 00 11 01 01 dd 18 00 50 f2 02 01 ....P...
00a0 01 0f 00 03 a4 00 00 27 a4 00 00 42 43 5e 00 62 .....'...BC^.b
00b0 32 2f 00 4d 35 03 bc 2/.M5..
Source Hardware Address (wlan.sa), 6 bytes
Packets: 2364 · Displayed: 2364 (100.0%)
Profile: Default


Acrobat Reader File Edit View Window Help
34% Mon 6:18 PM
Wireshark_802_11.pcap.pdf
Home Tools LAB7_#.pdf lab7 Wireshark_802_1...
1 / 1
107%
Share
/Users/faisal/Downloads/wireshark-traces/Wireshark_802_11.pcap 2364 total packets, 2364 shown
No. Time Source Destination Protocol Length Info
13 0.495032 Cisco-Li_f7:1d:51 Broadcast 802.11 183 Beacon frame,
SN=2859, FN=0, Flags=.....C, BI=100, SSID=30 Munroe St
Frame 13: 183 bytes on wire (1464 bits), 183 bytes captured (1464 bits)
Radiotap Header v0, Length 24
802.11 radio information
IEEE 802.11 Beacon frame, Flags: C
IEEE 802.11 wireless LAN
0000 00 00 18 00 ee 58 00 00 10 02 85 09 a0 00 e2 9c .....X..
0010 64 00 00 46 4d 35 03 bc 80 00 00 00 ff ff ff ff d..FM5..
0020 ff ff 00 16 b6 f7 1d 51 00 16 b6 f7 1d 51 b0 b2 .......Q.....Q..
0030 82 b1 40 96 28 00 00 00 64 00 01 06 00 0c 33 30 ..@.(...d.....30
0040 20 4d 75 6e 72 6f 65 20 53 74 01 04 82 84 8b 96 Munroe St....
0050 03 01 06 05 04 00 01 00 00 07 06 55 53 49 01 0b ...USI..
0060 1a 0c 12 0f 00 03 a4 00 00 27 a4 00 00 42 43 5e .....'...BC^
0070 00 62 32 2f 00 2a 01 00 32 08 8c 12 98 24 b0 48 .b2/.*..2....$.H
0080 60 6c dd 15 00 0a f5 0a 02 40 c0 00 03 01 03 05 `l.....@.....
0090 0e 04 ff 00 03 00 11 01 01 dd 18 00 50 f2 02 01 ....P...
00a0 01 0f 00 03 a4 00 00 27 a4 00 00 42 43 5e 00 62 .....'...BC^.b
00b0 32 2f 00 4d 35 03 bc 2/.M5..
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