



roam_interL3_open_wired.pcapng

Probe Request (0x0004)

Dst	84:b2:61:24:a2:00
Src	00:00:00:00:00:00
Seq	0

Reassociation Request (0x0002)

Dst	84:b2:61:24:a2:00
Src	00:56:cd:ee:f1:71
BSS	84:b2:61:24:a2:00
Seq	16
Current AP	84:b2:61:3f:93:10

Reassociation Response (0x0003)

Dst	00:56:cd:ee:f1:71
Src	84:b2:61:24:a2:00
BSS	84:b2:61:24:a2:00
Seq	0
Status	Successful (0x0000)
AID	0x01c0

DTLS Application Data (23)

Version	DTLS 1.0 (0xfeff)
Epoch	1
Length	480

DTLS Application Data (23)

Version	DTLS 1.0 (0xfeff)
Epoch	1
Length	80

Data (0x0020)

Dst	01:00:5e:00:00:01
Src	64:d8:14:da:6f:ef
BSS	84:b2:61:24:a2:00
Seq	0

Data (0x0020)

Dst	33:33:00:00:00:01
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💡 Probe Request – active scanning: client solicits responses from APs; directed (specific SSID) or wildcard (broadcast SSID); faster than passive scanning (beacon-only)

💡 Reassociation Request – client roams to new AP within same ESS; carries Current AP MAC so new AP can request PMK from old AP (fast roaming) or via RADIUS

💡 Reassociation Response – new AP accepts roaming client; AID may change; PMK transfer via OKC, 802.11r FT, or CCKM enables fast secure roaming without full re-auth

Frame 5 | 2017-01-28T14:37:39.200594Z

Frame 7 | 2017-01-28T14:37:39.201845Z

Frame 8 | 2017-01-28T14:37:39.203299Z

Frame 9 | 2017-01-28T14:37:39.203335Z

Null MAC

Cisco AP 1

iPhone Client

AP wired A

AP wired B

IPv4 Multicast

IPv6 All Nodes

WLC E

WLC F

Src	64:d8:14:da:6f:ef
BSS	84:b2:61:24:a2:00
Seq	0

Data (0x0020)

Dst	00:56:cd:ee:f1:71
Src	00:23:5d:c9:5a:c9
BSS	84:b2:61:24:a2:00
Seq	0
Len	36

Data (0x0020)

Dst	00:23:5d:c9:5a:c9
Src	00:56:cd:ee:f1:71
BSS	84:b2:61:24:a2:00
Seq	0
Len	36

ICMP Echo Request

Identifier (BE)	1672 (0x0688)
Sequence Number (BE)	1 (0x0001)

Frame 12 |
2017-01-28T14:37:39.8333Z

Frame 13 |
2017-01-28T14:37:39.833361Z

Frame 14 |
2017-01-28T14:37:39.845353Z

ICMP Echo Reply

Identifier (BE)	1672 (0x0688)
Sequence Number (BE)	1 (0x0001)

Frame 15 |
2017-01-28T14:37:39.845384Z