

| | | | | | | |
|----------|----------|------------|------------|---------------|----------------|----------------|
| Null MAC | Client C | AP wired G | AP wired I | iPhone Client | IPv4 Multicast | IPv6 All Nodes |
|----------|----------|------------|------------|---------------|----------------|----------------|

roam_interL2_wep_wired.pcapng

Probe Request (0x0004)

| | |
|-----|-------------------|
| Dst | f8:c2:88:07:58:80 |
| Src | 00:00:00:00:00:00 |
| Seq | 0 |

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

Frame 2 | 2017-02-25T15:14:56.787838Z

DTLS Application Data (23)

| | |
|---------|-------------------|
| Version | DTLS 1.0 (0xfeff) |
| Epoch | 1 |
| Length | 64 |

DTLS Application Data (23)

| | |
|---------|-------------------|
| Version | DTLS 1.0 (0xfeff) |
| Epoch | 1 |
| Length | 80 |

Frame 3 | 2017-02-25T15:14:56.788225Z

Authentication (0x000b)

| | |
|-----|-------------------|
| Dst | f8:c2:88:07:58:80 |
| Src | 00:56:cd:ee:f1:71 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 16 |
| Len | 139 |

💡 802.11 Authentication – Open System (2 frames) or SAE/WPA3 (multiple rounds); must succeed before Association

Reassociation Request (0x0002)

| | |
|------------|-------------------|
| Dst | f8:c2:88:07:58:80 |
| Src | 00:56:cd:ee:f1:71 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 16 |
| Current AP | 00:d7:8f:d3:53:d0 |

💡 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 (0x0003)

| | |
|--------|---------------------|
| Dst | 00:56:cd:ee:f1:71 |
| Src | f8:c2:88:07:58:80 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 0 |
| Status | Successful (0x0000) |
| AID | 0x01c0 |

💡 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

Data (0x0020)

| | |
|-----|-------------------|
| Dst | 01:00:5e:00:00:01 |
| Src | 08:cc:a7:86:51:20 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 0 |

Frame 11 | 2017-02-25T15:14:56.851607Z

Data (0x0020)

| | |
|-----|-------------------|
| Dst | 33:33:00:00:00:01 |
| Src | 08:cc:a7:86:51:20 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 0 |

Frame 12 | 2017-02-25T15:14:56.851641Z

Action (0x000d)

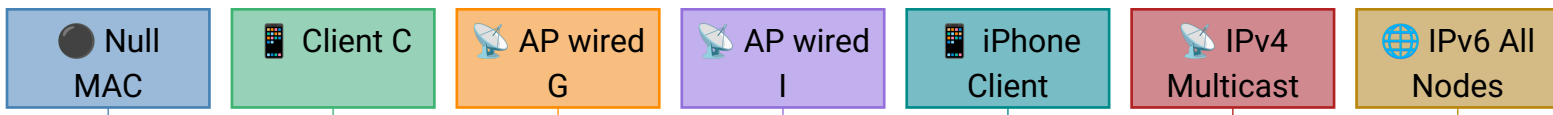
| | |
|----------|-----------------------------|
| Dst | f8:c2:88:07:58:80 |
| Src | 00:56:cd:ee:f1:71 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 16 |
| Category | Radio Measurement (5) |
| Action | Neighbor Report Request (4) |

Frame 15 | 2017-02-25T15:14:56.859229Z

Action (0x000d)

| | |
|----------|------------------------------|
| Dst | 00:56:cd:ee:f1:71 |
| Src | f8:c2:88:07:58:80 |
| BSS | f8:c2:88:07:58:80 |
| Seq | 0 |
| Category | Radio Measurement (5) |
| Action | Neighbor Report Response (5) |

Frame 16 | 2017-02-25T15:14:56.859861Z



Probe Request (0x0004)

| | | |
|--|-----|-------------------|
| | Dst | f8:c2:88:07:58:80 |
| | Src | 00:00:00:00:00:00 |
| | Seq | 0 |

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