

No IP
Broadcast
WLC C
WLC D

rogue_assoc_wired.pcapng

DHCP Discover

Transaction ID	0x66930e87
IP	0.0.0.0
Client MAC address	00:56:cd:ee:f1:71
Client MAC address	00:56:cd:ee:f1:71
Hostname	Nicks-iPhone

DHCP Discover

Transaction ID	0x66930e87
IP	0.0.0.0
Client MAC address	00:56:cd:ee:f1:71
Client MAC address	00:56:cd:ee:f1:71
Hostname	Nicks-iPhone

DHCP Request

Transaction ID	0x66930e87
IP	0.0.0.0
Client MAC address	00:56:cd:ee:f1:71
Client MAC address	00:56:cd:ee:f1:71
Hostname	Nicks-iPhone

DHCP Offer

Transaction ID	0x66930e87
IP	10.0.41.21
Client MAC address	00:56:cd:ee:f1:71

DHCP Offer

Transaction ID	0x66930e87
IP	10.0.41.21
Client MAC address	00:56:cd:ee:f1:71

DHCP ACK

Transaction ID	0x66930e87
IP	10.0.41.21
Client MAC address	00:56:cd:ee:f1:71

ICMP Echo Request

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	0 (0x0000)

ICMP Echo Reply

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	0 (0x0000)

ICMP Echo Request

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	1 (0x0001)

ICMP Echo Reply

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	1 (0x0001)

ICMP Echo Request

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	2 (0x0002)

ICMP Echo Reply

Identifier (BE)	2 (0x0002)
Sequence Number (BE)	2 (0x0002)

💡 DHCP – client obtains IP address after 802.11 association and EAPOL key exchange complete; DORA: Discover→Offer→Request→ACK; in WLAN, DHCP may traverse CAPWAP tunnel to WLC

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Frame 8 | 2017-02-11T13:15:54.79168Z

Frame 9 | 2017-02-11T13:15:54.958157Z

Frame 10 | 2017-02-11T13:15:54.961235Z

Frame 11 | 2017-02-11T13:15:54.964779Z

Frame 12 | 2017-02-11T13:15:54.967931Z

Frame 13 | 2017-02-11T13:15:54.971077Z