

عاسرالا دادعإ يف رورملا ةكرح قفدت مهف 9800 WLC نيب يجرالخا

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قمدملا

Cisco 9800 WLCs، نېب چې راځل اسرارل دادعإ ي ف تانايېل رورم ةكرح قفدت ةقيثو اذه فصوي
اهالصالو اطاخالو افاشكتساو L2/L3 ليمع مضيطغي

ةيساسالو تابلطتمل

اسرارل مكحت ةدحوو ةيچراخلو مكحتل ةدحو نېب لقننل قفن

WLC لالو ك نېب 1667 و 1666 ءانيم UDP حمسي

يكرمل ليوحتلل نوكلال جهنل فيرعت فلم

Configuration > Wireless > Mobility

Global Configuration Peer Configuration

▼ Mobility Peer Configuration

[+ Add](#) [× Delete](#) [↺](#)

	MAC Address	IP Address	Public IP	Group Name	Multicast IPv4	Multicast IPv6	Status	PMTU	SSC Hash	Data Link Encryption
		10.105.60.114	N/A	DMZ	0.0.0.0	::	N/A	N/A	4c7d85dca2ff501a8bf7965fbac811ef66760fa3	N/A
☐		10.107.79.30	10.107.79.30	Bangalore_Site	0.0.0.0	::	Up	1006		Disabled

1 - 2 of 2 items

يچراخلو WLC لىل لقننل قفن ةلاح

Configuration > Wireless > Mobility

Global Configuration Peer Configuration

▼ Mobility Peer Configuration

[+ Add](#) [× Delete](#) [↺](#)

	MAC Address	IP Address	Public IP	Group Name	Multicast IPv4	Multicast IPv6	Status	PMTU	SSC Hash	Data Link Encryption
		10.105.60.114	N/A	DMZ	0.0.0.0	::	N/A	N/A	4c7d85dca2ff501a8bf7965fbac811ef66760fa3	N/A
☐		10.107.79.30	10.107.79.30	Bangalore_Site	0.0.0.0	::	Up	1006		Disabled

1 - 2 of 2 items

WLC اسرارل ةطقن لىل Mobility قفن ةلاح

تابلطتمل

عوضوم اذه نم ةفرعم تنأ يقلتني نأ ي صوي cisco

• مكحتل تادحو لىل (GUI) تاموسرل مدختسم ةهجاو لوصو وأ (CLI) رماوال رطس ةهجاو لوصو

ةيكللساللا

- Cisco نم (WLCs) ةيكللساللا LAN ةكبش يف مكحتلا تادحو ىلع لقننتلا ةيناكمإ
- ةيكللساللا 9800 مكحتلا تادحو
- 9800 WLC ىلع مزحلا طاقنلاو ةعشملا راثآلا

ةمدختسملا تانوكملا

ةيلاتلا ةيداملا تانوكملاو اجماربلا تارادصا ىلإ دنتسملا اذه يف ةدراولا تامولعمل دنتست

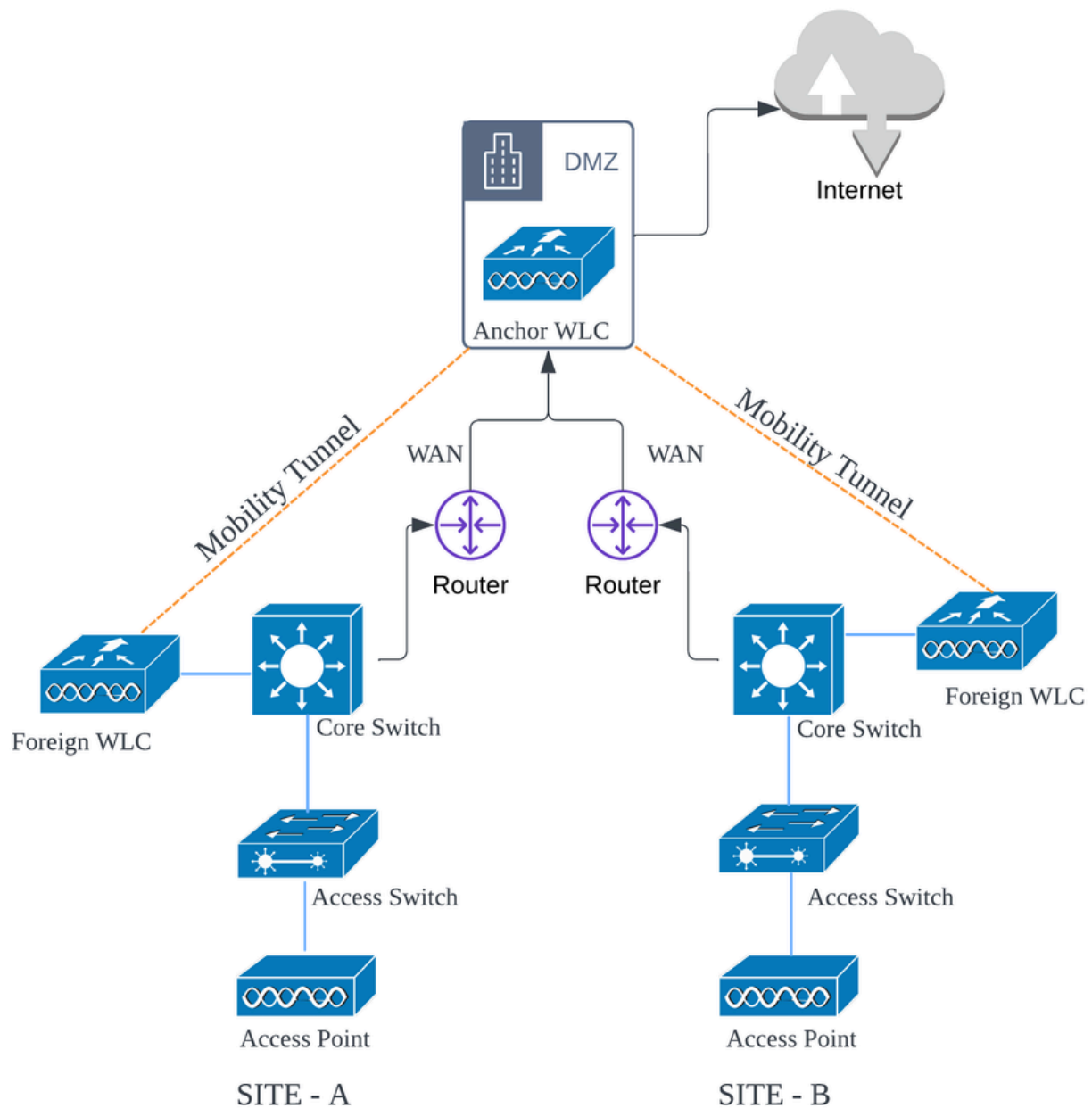
- WLC زارط 9800
- رادصإلا Cisco IOS XE 17.15.5
- 9100 Series ةلسلسلا نم لوصولا ةطقن جذومن

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجالا نم دنتسملا اذه يف ةدراولا تامولعمل عاشنإ مت تناك اذا. (يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسملا ةزهجالا عيمج تادب رما يأل لمحتحمل ريثأتلل كمهف نم دكأتف ،ليغشتلا ديق كتكبش

يجراخلا ءاسرالا ويرانيس ىلع ةماع ةرطن

- اذه (WLC) ةيكللساللا ةلحمل ةكبشلا يف مكحتلا رصنع ريدي :يجراخلا بقارملا متيو ،هب ةلصتم لوصو طاقن ىلع يوتحي .ةكبشلل ةيكللساللا بناجالا وأ 2 ةقبطلا ةطبترملا (WLANs) ةيكللساللا ةلحمل تاكبشلل ليمعلا رورم ةكرح عيمج نيمضت رورملا ةكرح ءاهنإ متي ال .ءاسرالا يف مكحتلا ةدحو ىلإ اهلاسراو لقننتلا قفن يف ةينجالا مكحتلا ةدحو ىلع ايلحم
- رورم ةكرح نوبز ملتسي وه 3. ةقبطلا جورخ ةطقنك لمعي اذه :ءاسرالا يف مكحتلا ةادأ لخاد رورم ةكرح نوبزلا يهني وأ دسفيو يجراخ مكحت زاهجالا نم قفن ةيكرح قيرط نع ةكبشلا يف نئابزلا هي ف يري يذل ناكملا وه اذه . (VLAN) ةطقن جرخملا

(WLC) ةيكللساللا ةلحمل ةكبشلا يف مكحتلا رصنع ىلع ةدوجوملا لوصولا طاقن موقت ةلحمل ةكبشلا فيرعت فلم طبترت ةنيعم جهن ةمالع اهلو WLAN SSIDs ثبب يجراخلا اذه SSID ب ةيكللسال ليمع لصتي امدنع .بسانملا ةسايسلا فيرعت فلمب ةيكللساللا ليمعلا تامولعم نم عزجك ةسايسلا فيصوتو SSID مسا نم الك يجراخلا مكحتلا زاهج لسري ةيكللساللا ةلحمل ةكبشلا يف مكحتلا رصنع ققحتي ،يقلتل دنع .ىسرملل WLC ىلإ رثعي نأ درجمب .ةسايسلا فيرعت فلم مسا كلذكو SSID مسا قباطيل هب صاخلا (WLC) نيوكتل قباطي هناف ،قباطت ىلع (WLC) ةيكللساللا ةلحمل ةكبشلا يف مكحتلا رصنع ءامسا قباطت نأ يوررضلا نم ،كلذل .ةيكللساللا ليمعلا جورخ ةطقن رفويو قباطملا 9800 Anchor و يجراخلا WLCs نم لك ىلع WLAN و ةسايسلا فيرعت فلم تانيوكتو .ةسايسلا فيرعت فلم نمض VLAN ةكبش ءانثساب



9800 WLC نڭي جڭراڭلا ءاسرالا دادعلا

2 ةقبطلا ةقداصم عم WLAN

نڭي وكتلا تابلطتم

ةجڭراڭلا WLC تاكبش نم لك ىلع ناقباطتم اهنڭي وكتو WLAN ةكبش مسا نا نم دكاأ. 1.

2 (PSK أو 802.1x) عىق بطلال عىق داصمل امه نيوكت متو طبرل او

تباثل او يجرال WLCS نم لك ىلع مسال س فنب عسايس فيرعت فلم عاشناب مق 2. نيوكتال س فنب

نيوكت ب مق ،عيجرال (WLC) عىكل سلالل عىلحملل عىك بشللا في مكحتال رصنع ىلع 3. ةلصللا يذ عسايسال فيرعت فلم نمض WLC اسار رصنع نييغت

فلم نيوكت ب مق ،ىسرمل (WLC) عىكل سلالل عىلحملل عىك بشللا في مكحتال رصنع ىلع 4. ريصت ىسرمل مكحتال ةدحو نييغت عسايسال فيرعت

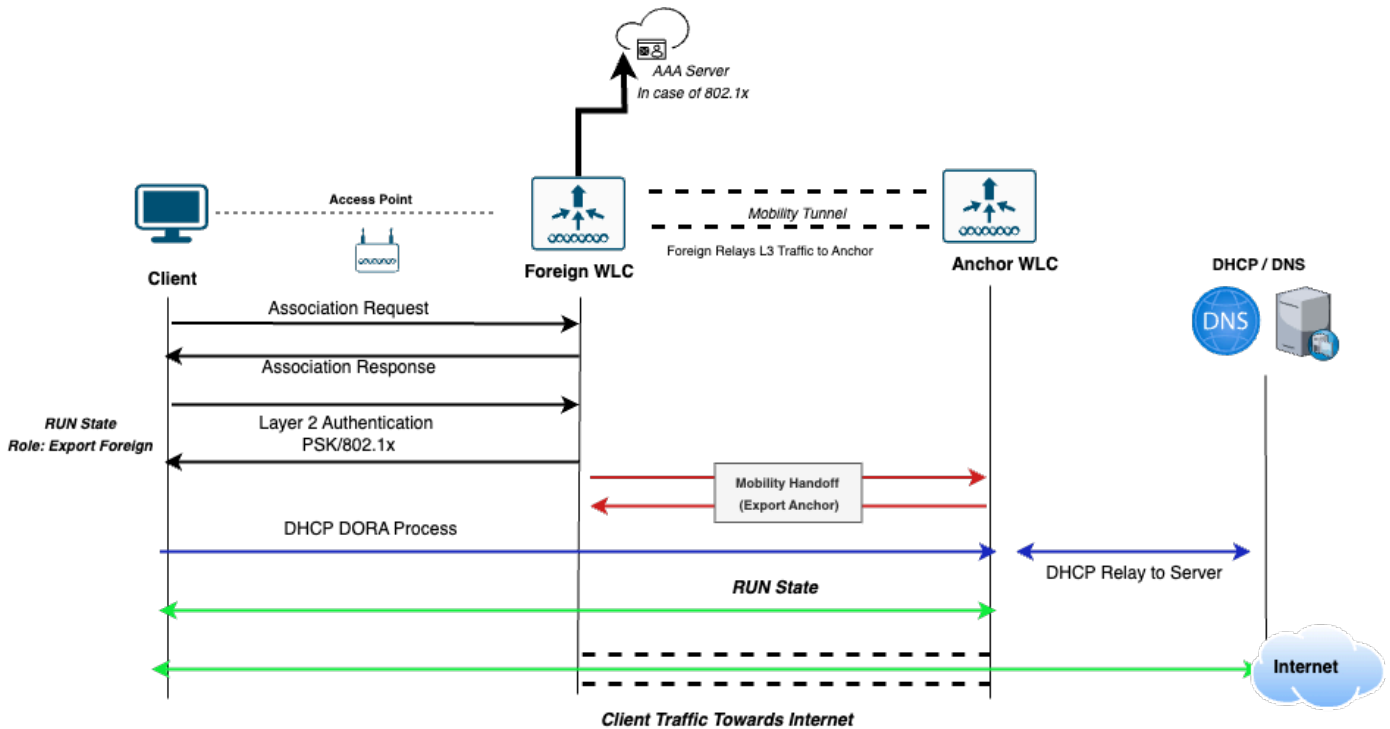
نييغت ب مق ،عيجرال (WLC) عىكل سلالل عىلحملل عىك بشللا في مكحتال رصنع ىلع 5. عسايسال ةمالع مادختساب بسانمل عسايسال فيرعت فلم ىل WLAN عىك بشل

2 عىق بطلال نم يجرال طبرللا ىل دنن سمل SSID فرعمل قفدت

مكحتال رصنع موقت .يجرال WLC عىك سواب هثب مت يذل SSID ب لاصلتال لىمعل اذبي 1. ققحتلل كلذو ،2 عىق بطلال عىق داصم عارجاب عيجرال (WLC) عىكل سلالل عىلحملل عىك بشللا في هنيوكت مت يذل نامال جهنل اقفو ،يجرال AAA مدال لال نم وا اىلحمل اما دامتعال اتاناي ب نم

صاخال WLC ب صاخال طابترالاب لىمعل لمع ةسلج طبر متي ،عجانال عىق داصمل دنع 2. في مكحتال رصنع ىلع RUN ةلاح ىل تالاق تناو IP ناو نع نييغت مت .عاسرال حملنربب (WLC) عىكل سلالل عىلحملل عىك بشللا

رصنع نم مالعمل اتاناي رورم ةكرح عىمجل تاوئق عاشن متي ،ةسلجل عاشنل درجم ب 3. عىك بشللا في مكحتال رصنع ىل يجرال (WLC) عىكل سلالل عىلحملل عىك بشللا في مكحتال عىك بشللا في اهجارل متي ثيخ ،ىسرمل (WLC) عىكل سلالل عىلحملل



2 عىق بطلال يجرال اسراللا ىل دنن سمل (WLAN) عىكل سلالل عىلحملل عىك بشللا قفدتل يطيطلختال مسرلا

تالچسلا لال نم يجرال اسراللا دادعلا في 2 عىق بطلال نم SSID قفدت لىلحت

عشمل عبتتال مادختساب 2 قبطال ليمع لاصتا قفدت مسقل اذه حضوي
تادحوو ةيجراخال مكحتال تادحو نم لك ىلع ليمعلا ةلاحو، (EPC) ةنمضمالمزحل طاقلتالو
ءاسرال يف مكحتال

ةيبنجال مكحتال ةدحو نم تالجلال

ةيعاعشا راثآ

```
!! Client Association started !!
[client-orch-sm] Association received. BSSID BSSID-addr, WLAN DMZ_PSK, Slot 1 AP AP_MAC, AP_NAME, Site
[dot11] [17047] (info) MAC Client-MAC dot11 send association response. Sending assoc response of length
[dot11] [17047] (info) MAC Client-MAC DOT11 state transition S_DOT11_INIT -> S_DOT11_ASSOCIATED

!! Layer 2 Authentication started !!
[client-orch-state] Client state transition S_CO_ASSOCIATING -> S_CO_L2_AUTH_IN_PROGRESS
[client-auth] L2 Authentication initiated. method PSK, Policy VLAN 31, AAA override = 0, NAC = 0
[client-keymgmt] EAP key M1 Sent successfully
[client-keymgmt] M2 Status EAP key M2 validation success
[client-keymgmt] EAP key M3 Sent successfully
[client-keymgmt] M4 Status EAP key M4 validation is successful
[client-keymgmt] EAP Key management successful. AKMP SK CipherCCMP WPA Version WPA2 >> !! client success

!! Mobility Handoff !!
{mobilityd_R0-0}{1} [mm-dgram-io] [18401] (debug) MAC Client-MAC Sending message mobile_announce to gr
{mobilityd_R0-0}{1} [mm-pmtu] [18401] (debug) Peer IP Anchor-WLC-IP {mobilityd_R0-0}{1} [mm-client] [1
{mobilityd_R0-0}{1} [mm-transition] MMFSM transition S_MC_WAIT_ANNOUNCE_RSP -> S_MC_ANNOUNCE_TIMEDOUT_P
{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Received mobile_announce_nak, sub type 2 o
{wncd_x_R0-0}{1} [mm-transition] [17047] (info) MAC Client-MAC MMIF FSM transition S_MA_INIT_WAIT_ANN
{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Sending export_Anchor_req of XID (XID) to (
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANCE
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Request successfully proce
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Sending export_Anchor_req of XID (176282
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_rsp, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANCE
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Response successfully proc
{wncd_x_R0-0}{1} [epm-misc] [17047] (info) Anchor Vlan-id 31 processed{mm-client} [17047] (info) MAC
[mm-client] Mobility Successful. Roam Type L3 Requested, Sub Roam Type MM_SUB_ROAM_TYPE_NONE, Client IF
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_MOBILITY_DISCOVERY_IN_PROGRESS -> S_C

{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_DPATH_PLUMB_IN_PROGRESS -> S_CO_IP_LEA
{wncd_x_R0-0}{1} [client-orch-sm] [17047] (debug) MAC Client-MAC Received ip learn response. method IP
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_IP_LEARN_IN_PROGRESS -> S_CO_RUN >> C
```

مزل طاقتل

ةدحو ةطساوب اهتجلاعم متت 2 قبطال ةقداصم ءارجاب موقيو نارثقا بلط ليمعلا لسري
ةيجراخال مكحتال

	Time	Source Address	Destination Address	Length	Protocol	TID	Info
417	07:36:34.347973	10.107.79.129	10.107.79.30	272	802.11		Association Request, SN=1680, FN=0, Flags=...R..., SSID="DMZ_PSK"
418	07:36:34.347973	10.107.79.129	10.107.79.30	268	802.11		Association Request, SN=1680, FN=0, Flags=...R..., SSID="DMZ_PSK"
419	07:36:34.348980	10.107.79.30	10.107.79.129	211	802.11		Association Response, SN=0, FN=0, Flags=.....
420	07:36:34.348980	10.107.79.30	10.107.79.129	215	802.11		Association Response, SN=0, FN=0, Flags=.....
421	07:36:34.350979	10.107.79.129	10.107.79.30	110	LLC		0 U, func=UI; SNAP, OUI 0x000000 (officially Xerox, but 0:0:0:0:0:0 is more commo
426	07:36:34.354977	10.107.79.30	10.107.79.129	203	EAPOL		Key (Message 1 of 4)
427	07:36:34.354977	10.107.79.30	10.107.79.129	207	EAPOL		Key (Message 1 of 4)
428	07:36:34.360973	10.107.79.129	10.107.79.30	217	EAPOL		0 Key (Message 2 of 4)
429	07:36:34.361980	10.107.79.129	10.107.79.30	213	EAPOL		0 Key (Message 2 of 4)
430	07:36:34.361980	10.107.79.30	10.107.79.129	237	EAPOL		0 Key (Message 3 of 4)
431	07:36:34.361980	10.107.79.30	10.107.79.129	241	EAPOL		Key (Message 3 of 4)
432	07:36:34.368968	10.107.79.129	10.107.79.30	195	EAPOL		0 Key (Message 4 of 4)
433	07:36:34.368968	10.107.79.129	10.107.79.30	191	EAPOL		0 Key (Message 4 of 4)

2 عقبطل اقداصم رورم كرح + ليمعلا نارتقا

ربع اساسالاي مكحتلا تادحوو عي ج راخا لكحتلا تادحو نيبلقننتاللقن ليغشت متي رود م ادختساب ليغشتلاىلا ليمعلا علا لقن متي ،لقننتال ثدح حاجن دنع . UDP 16667 ذفنم . عي ج راخ ري دصت . دحوىلا اهديعتو CAPWAP ق فن ربع ليمعلا DHCP رورم كرح عي ج راخا لكحتلا دحوى ق لنت . علا لعملا نم ديزملا اساستالا مكحت

	Time	Source Address	Destination Address	Length	Protocol	TID	Info
567	07:36:39.071987	10.107.79.129,0.0.0.0	10.107.79.30,255.255.255.255	424	DHCP	0	DHCP Discover - Transaction ID 0x9f36b979
568	07:36:39.071987	10.107.79.30	10.105.60.114	400	UDP		16667 → 16667 Len=354
752	07:36:41.074993	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
753	07:36:41.074993	10.107.79.30,10.105.60.69	10.107.79.129,10.105.60.226	416	DHCP	0	DHCP Offer - Transaction ID 0x9f36b979
758	07:36:41.111993	10.107.79.129,0.0.0.0	10.107.79.30,255.255.255.255	452	DHCP	0	DHCP Request - Transaction ID 0x9f36b979
759	07:36:41.111993	10.107.79.30	10.105.60.114	428	UDP		16667 → 16667 Len=382
760	07:36:41.113992	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
761	07:36:41.113992	10.107.79.30,10.105.60.69	10.107.79.129,10.105.60.226	416	DHCP	0	DHCP ACK - Transaction ID 0x9f36b979

في مكحتلا دحوىلا عي بنجألكحتلا دحوىلا اهي ق لنت متي يتي ليمعلا بة صاخا DHCP رورم كرح هي جوت دواع مت لقننتال ق فن م ادختساب اساسالا

9800 اساستالا مكحت دحو نم تال ج سالا

اساسالا عطقن نم عي عا عشا راثآ

!! Mobility Handoff !!

```
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Number of client is BELOW wlan limit
{mobilityd_R0-0}{1} [mm-transition] [26021] (info) MAC Client-MAC MMFSM transition S_MC_INIT -> S_MC_An
[wnacd_x_R0-0]{1} [mm-client] [24229] (info) MAC Client-MAC Roam type changed - None -> L3 Requested
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Export Anchor Response successfully proc
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Forwarding Anchor Response to Foreign.
{mobilityd_R0-0}{1} [mm-client] [26021] (info) MAC Client-MAC Forwarding export_Anchor_rsp, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.
[wnacd_x_R0-0]{1} [mm-client] [24229] (info) MAC Client-MAC Mobility role changed - Unassoc -> Export A
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.>> Client is successf
```

!! Client DHCP Traffic !!

```
{wnacd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_MOBILIT
{wnacd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_DPATH_P
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
```

{wncd_x_R0-0}{1} [client-iplearn] [24229] (note) MAC Client-MAC Client IP learn successful. Method DHCP
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Sending ipv4_address_update of XID (XID)
{wncd_x_R0-0}{1} [client-iplearn] [24229] (info) MAC Client-MAC IP-learn state transition S_IPLEARN_IN_ Complete

{wncd_x_R0-0}{1} [avc-afc] [24229] (info) ReAnchor [client MAC Client-MAC] Client has Anchor role {wncd_x_R0-0}{1}

يسرمل ىل ع مزل طاقاا

ربع ىجراخ مكح زاهال نم DHCP رورم كرح ةاسرمل مكح زاه ملتسي ،ةكرحال لقن دعب
ىكرح قفنا
ةطقنا هذ نم Export Anchor رودب RUN ةلا ىف لىمىل لخدى ،DORA ةلىمىل لامك دنع
لىمىل اناىب رورم كرحل جورخ ةطقنك ةاسرالا مكح ةدحو لمعت ،ادعاصف

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 3, 2025 07:36:39...	10.107.79.30	10.105.60.114	400	UDP		16667 → 16667 Len=354
Jan 3, 2025 07:36:39...	0.0.0.0	255.255.255.255	346	DHCP		DHCP Discover - Transaction ID 0x9f36b979
Jan 3, 2025 07:36:41...	10.105.60.69	10.105.60.226	346	DHCP		DHCP Offer - Transaction ID 0x9f36b979
Jan 3, 2025 07:36:41...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354
Jan 3, 2025 07:36:41...	10.107.79.30	10.105.60.114	428	UDP		16667 → 16667 Len=382
Jan 3, 2025 07:36:41...	0.0.0.0	255.255.255.255	374	DHCP		DHCP Request - Transaction ID 0x9f36b979
Jan 3, 2025 07:36:41...	10.105.60.69	10.105.60.226	346	DHCP		DHCP ACK - Transaction ID 0x9f36b979
Jan 3, 2025 07:36:41...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354

ةىنأ مكح ةدحو نم ةاسرمل مكح ةدحو ىل لىمىل DHCP رورم كرح ىقلا مت

ءاسرالا مكح ةدحوو ةىجراخال مكحالا ةدحو نم لك ىل لىمىل ةلا

Monitoring > Wireless > Clients

Clients Sleeping Clients Excluded Clients

Delete

Selected 0 out of 1 Clients

	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐		10.105.60.226	fe80::877c:b748:ddc:4fc0		1	DMZ_LWA	11	WLAN	Run	11ac		N/A	Export Foreign	No

1 - 1 of 1 clients

ةىجراخ ةه ىل لىمىل ةلودلا

Monitoring > Wireless > Clients

Clients Sleeping Clients Excluded Clients

Delete

Selected 0 out of 1 Clients

	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐		10.105.60.226	fe80::acf2:f7b3:168e:65f2		0	DMZ_PSK	4	WLAN	Run	N/A		N/A	Export Anchor	No

1 - 1 of 1 clients

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Call Statistics

Client Properties

AP Properties

Security Information

Client Statistics

QOS Properties

Max Client Protocol Capability

802.11ac Wave 2

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Anchor IP Address

10.105.60.114

Point of Presence

0xA0000003

AuthC Status

False

Move Count

0

Role

Export Foreign

Roam Type

L3 Requested

Complete Timestamp

01/03/2025 13:06:37 India

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Call Statistics

Client Properties

AP Properties

Security Information

Client Statistics

QOS Properties

FlexConnect Authentication

N/A

Number of Tx Total Dropped Packets

0

Client Scan Report Time

Timer not running

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Foreign IP Address

10.107.79.30

Point of Presence

0

Move Count

1

Role

Export Anchor

Roam Type

L3 Requested

Complete Timestamp

01/03/2025 07:36:27 UTC

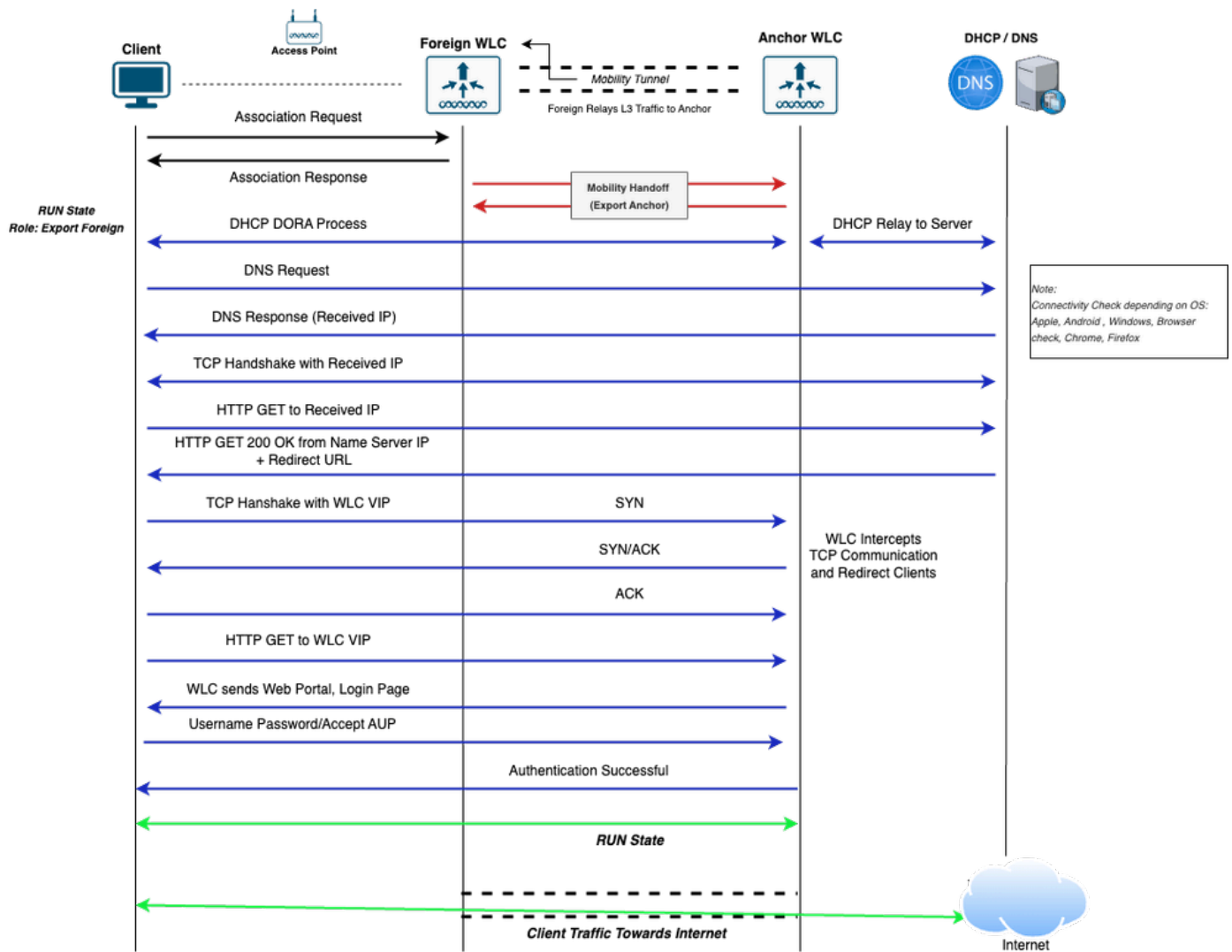
ةاسرمل ىلع لىمعل صئاصخ

3 ةقبطال ةقداصم عم WLAN

ةىلحمل بىولال ةقداصم

ىجراخلال ءاسرلال دادعلا ف بىولال ةقداصمل لىلحملال SSID قفدت

1. ىجراخلال WLC لبق نم نلعملال SSID ب لاصتالال لىمعلال أدبى
2. ىللا طابترال ف ةرشابم لىمعلال طبرم تي، 2 ةقبطال نم ةقداصم لىل ءارجل متي ال هنأ امب لخدل. ىسرملال عضوب صاخال (WLC) ةىكلسلالال ةىلحملال ةكبشلال ف مكحتال رصنع عم، ىجراخلال (WLC) ةىكلسلالال ةىلحملال ةكبشلال ف مكحتال رصنع ىلعل RUN ةلال لىمعلال ىجراخلال رىدصت هنأ ىلعل هب صاخال لقننتال رود دىدت
3. هذه رورملال ةكره ةجلالعم ممت. بىو ةحفص ىللا ههيجوت داعىو IP ناونع ىلعل لىمعلال لصحي
- طابترالال مكحت ةدحو ةطساوب
4. رصنع ىلعل لىلغشتال ةلال لىل لىمعلال لىوت متي، ةباوبال ىلعل ءحجانال ةقداصملال دنع
- Export Anchor رود مادختساب، (WLC) ةىكلسلالال ةىلحملال ةكبشلال ف مكحتال



يُجرى الاتصال بالإنترنت عبر الـ WebAuth SSID ليتم إرسال الطلبات إلى الخوادم

تتمثل العملية في إرسال الطلبات إلى الخوادم عبر الـ WebAuth SSID ليتم إرسال الطلبات إلى الخوادم

مبدأ عمل الـ WebAuth SSID هو إرسال الطلبات إلى الخوادم عبر الـ WebAuth SSID ليتم إرسال الطلبات إلى الخوادم

العملية تتمثل في إرسال الطلبات إلى الخوادم عبر الـ WebAuth SSID ليتم إرسال الطلبات إلى الخوادم

العملية تتمثل في إرسال الطلبات إلى الخوادم عبر الـ WebAuth SSID ليتم إرسال الطلبات إلى الخوادم

!! Client Association Phase !!

```
{wncd_x_R0-0}{1}: [client-orch-sm] [17047]: (note): MAC: Client_MAC Association received. BSSID BSSID_M
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_IN
{wncd_x_R0-0}{1}: [dot11] [17047]: (info): MAC: Client_MAC dot11 send association response. Sending ass
```

!! L2 Auth : None !!

{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_AS
{wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_L2

!! Mobility Handoff Phase !!

[mm-dgram-io] [18401] (debug) MAC Client-MAC Sending message mobile_announce to gr
{mobilityd_R0-0}{1} [mm-pmtu] [18401] (debug) Peer IP Anchor-WLC-IP [mm-client] [1
{mobilityd_R0-0}{1} [mm-transition] MMFSM transition S_MC_WAIT_ANNOUNCE_RSP -> S_MC_ANNOUNCE_TIMEDOUT_P
[wncd_x_R0-0]{1} [mm-client] [17047] (debug) MAC Client-MAC Received mobile_announce_nak, sub type 2 o
[wncd_x_R0-0]{1} [mm-transition] [17047] (info) MAC Client-MAC MMIF FSM transition S_MA_INIT_WAIT_ANN
{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Sending export_Anchor_req of XID (XID) to (C
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RE
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Request successfully proce
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Sending export_Anchor_req of XID (176282)
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_rsp, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RS
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Response successfully proc
[wncd_x_R0-0]{1} [epm-misc] [17047] (info) Anchor Vlan-id 31 processed[mm-client] [17047] (info) MAC
[mm-client] Mobility Successful. Roam Type L3 Requested, Sub Roam Type MM_SUB_ROAM_TYPE_NONE, Client IF
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_MOBILITY_DISCOVERY_IN_PROGRESS -> S_C
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_DPATH_PLUMB_IN_PROGRESS -> S_CO_IP_LE
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_IP

!! Client AAA Traffic handling !!

{mobilityd_R0-0}{1}: [mm-transition] [18401]: (info): MAC: Client_MAC MMFSM transition: S_MC_RUN -> S_M
{mobilityd_R0-0}{1}: [mm-client] [18401]: (info): MAC: Client_MAC Forwarding aaa_handoff, sub type: 0 o
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Sending aaa_handoff of XID (10452) t
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC AAA Handoff successfully forwarded.
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Received aaa_handoff, sub type: 0 of XI
{wncd_x_R0-0}{1}: [mm-transition] [17047]: (info): MAC: Client_MAC MMIF FSM transition: S_MA_Foreign ->
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Mobile AAA Handoff update received.
{wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [17047]: (info): MAC: Client_MAC Received username=Guest1
{wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [17047]: (info): MAC: Client_MAC IPv6 Client payload is re
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Sending aaa_handoff_ack of XID (10452) .
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Received aaa_handoff_ack, sub type: 0
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC AAA Handoff Ack successfully handled
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa_handoff_ack base check is VALID
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa_handoff_ack is VALID
{mobilityd_R0-0}{1}: [mm-transition] [18401]: (info): MAC: Client_MAC MMFSM transition: S_MC_RUN -> S_M
{mobilityd_R0-0}{1}: [mm-client] [18401]: (info): MAC: Client_MAC Forwarding aaa_handoff_ack, sub type:
{mobilityd_R0-0}{1}: [mm-pmtu] [18401]: (debug): Peer IP: Anchor-WLC-IP PMTU size is 1006 and calculate
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Sending aaa_handoff_ack of XID (1045
{wncd_x_R0-0}{1}: [auth-mgr] [17047]: (info): [Client_MAC:capwap_90000003] auth mgr attr add/change not
{wncd_x_R0-0}{1}: [auth-mgr-feat_acct] [17047]: (info): [Client_MAC:capwap_90000003] SM Notified attrib
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa handoff ack successfully forward

مرحلة طاقات ال

"يجري اخراج م كحت ال زاهج" هج لاعي ،نارتقا بلط لي م عمل لسري

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 12:21:41	10.107.79.129	10.107.79.30	250	802.11		Association Request, SN=1705, FN=0, Flags=....., SSID="DMZ_LWA"
Jan 5, 2025 12:21:41	10.107.79.129	10.107.79.30	246	802.11		Association Request, SN=1705, FN=0, Flags=....., SSID="DMZ_LWA"
Jan 5, 2025 12:21:41	10.107.79.30	10.107.79.129	211	802.11		Association Response, SN=0, FN=0, Flags=.....
Jan 5, 2025 12:21:41	10.107.79.30	10.107.79.129	215	802.11		Association Response, SN=0, FN=0, Flags=.....

ة يجري اخراج م كحت ة دحوب لي م عمل نارتقا ة لحر

ربع اساسال في مكحتال تادحوو عيچراخال مكحتال تادحوو ني ب لقننل لقن ليغشت متي رود مادختساب ليغشتال الى لي مكال لقتنت ،لقننل تادح حان دنع . UDP 16667 ذفنم .يچراخ ري دصت
 ةدحو الى اهديعتو CAPWAP ق فن ربع لي مكال DHCP رورم ةكرح عيچراخال مكحتال ةدحو يقلت
 ةجال عمل نم ديزمل اساسنرال مكحت

Jan 5, 2025 12:21:42...	10.107.79.129,0.0.0.0	10.107.79.30,255.255....	424	DHCP	0	DHCP Discover - Transaction ID 0x9f36b979
Jan 5, 2025 12:21:42...	10.107.79.30	10.105.60.114	400	UDP		16667 → 16667 Len=354
Jan 5, 2025 12:21:44...	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
Jan 5, 2025 12:21:44...	10.107.79.30,10.105.60.69	10.107.79.129,10.105....	416	DHCP	0	DHCP Offer - Transaction ID 0x9f36b979
Jan 5, 2025 12:21:44...	10.107.79.129,0.0.0.0	10.107.79.30,255.255....	452	DHCP	0	DHCP Request - Transaction ID 0x9f36b979
Jan 5, 2025 12:21:44...	10.107.79.30	10.105.60.114	428	UDP		16667 → 16667 Len=382
Jan 5, 2025 12:21:44...	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
Jan 5, 2025 12:21:44...	10.107.79.30,10.105.60.69	10.107.79.129,10.105....	416	DHCP	0	DHCP ACK - Transaction ID 0x9f36b979

في مكحتال ةدحو الى ةيبنجال مكحتال ةدحو الى اهيقلت متي يتي لي مكال ةصاال DHCP رورم ةكرح هيچوت ةداإ متت لقننل ق فن مادختساب اساسال

بيول ةحفص الى لوصولا صحف رورم ةكرحو ةكبشال لاصتا ةلاخ لي مكال لسري ،لثملابو CAPWAP: ق فن ربع يچراخال (WLC) ةيكلسالال ةي لحمل ةكبشال في مكحتال رصنع الى مكحت زاهج يسرمل اشيح ،يكرح ق فنل لمعتسي WLC طبرل الى اذه يچراخ WLC ل لسري رورم ةكرحال جلاعي وا ضرعتي

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 12:21:46...	10.107.79.129,10.105.60.226	10.107.79.30,DNS Server IP	165	DNS	0	Standard query 0x14e8 Connectivity Check URL
Jan 5, 2025 12:21:46...	10.107.79.30	10.105.60.114	141	UDP		16667 → 16667 Len=95
Jan 5, 2025 12:21:46...	10.105.60.114	10.107.79.30	291	UDP		16667 → 16667 Len=245
Jan 5, 2025 12:21:46...	10.107.79.30, DNS Server IP	10.107.79.129,10.105....	307	DNS	0	Standard query response 0x14e8 Connectivity Check URL raffi
Jan 5, 2025 12:21:46...	10.107.79.129,10.105.60.226	10.107.79.30, Resolved IP	148	TCP	0	52887 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:21:46...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:21:46...	10.105.60.114	10.107.79.30	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:21:46...	10.107.79.30, Resolved IP	10.107.79.129,10.105....	140	TCP	0	80 → 52887 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 5, 2025 12:21:46...	10.107.79.129,10.105.60.226	10.107.79.30, Resolved IP	136	TCP	0	52887 → 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 5, 2025 12:21:46...	10.107.79.129,10.105.60.226	10.107.79.30, Resolved IP	247	HTTP	0	GET /connecttest.txt HTTP/1.1
Jan 5, 2025 12:21:46...	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:21:46...	10.107.79.30, Resolved IP	10.107.79.129,10.105....	128	TCP	0	80 → 52887 [ACK] Seq=1 Ack=112 Win=64256 Len=0
Jan 5, 2025 12:21:46...	10.105.60.114	10.107.79.30	745	UDP		16667 → 16667 Len=699
Jan 5, 2025 12:21:46...	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:21:46...	10.107.79.30, Resolved IP	10.107.79.129,10.105....	761	HTTP	0	HTTP/1.1 200 OK (text/html)
Jan 5, 2025 12:21:46...	10.107.79.30	10.107.79.129,10.105....	128	TCP	0	80 → 52887 [FIN, ACK] Seq=634 Ack=112 Win=64256 Len=0

ةيچراخال مكحتال ةدحو ةكبشال لاصتا ةلاخ نم ققحتال

> Frame 1776: 761 bytes on wire (6088 bits), 761 bytes captured (6088 bits)
> Ethernet II, Src: Cisco_63:8b:8b (08:00:06:38:8b:8b), Dst: (08:00:06:38:8b:8b)
> 802.1Q Virtual LAN, PRI: 0, DEI: 0, ID: 1415
> Internet Protocol Version 4, Src: 10.107.79.30, Dst: 10.107.79.129
> User Datagram Protocol, Src Port: 5247, Dst Port: 5264
> Control And Provisioning of Wireless Access Points - Data
> IEEE 802.11 QoS Data, Flags: F.
> Logical-Link Control
> Internet Protocol Version 4, Src: , Dst: 10.105.60.226
> Transmission Control Protocol, Src Port: 80, Dst Port: 52887, Seq: 1, Ack: 112, Len: 633
> Hypertext Transfer Protocol
> HTTP/1.1 200 OK\r\n
Location: https://192.0.2.1/login.html?redirect=https://192.0.2.1/login.html\r\n
Content-Type: text/html\r\n
> Content-Length: 472\r\n
\r\n
[Request in frame: 2169]
[Time since request: 0.001007000 seconds]
[Request URI: /connecttest.txt]
[Full request URI: https://192.0.2.1/login.html?redirect=https://192.0.2.1/login.html]
File Data: 472 bytes
> Line-based text data: text/html (9 lines)

ليعمل الى لسرالم URL هي جوت دواع

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	148	TCP	0	53024 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:22:25	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:22:25	10.105.60.114	10.107.79.30	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:22:25	10.107.79.30,192.0.2.1	10.107.79.129,10.105.60.226	140	TCP	0	443 → 53024 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	136	TCP	0	53024 → 443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	1386	TCP	0	53024 → 443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 4991]
Jan 5, 2025 12:22:25	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25	10.107.79.30,192.0.2.1	10.107.79.129,10.105.60.226	128	TCP	0	443 → 53024 [ACK] Seq=1 Ack=1251 Win=64128 Len=0
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	747	TLSv1		0 Client Hello
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,142.250.1	148	TCP	0	53025 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:22:25	10.107.79.30,192.0.2.1	10.107.79.129,10.105.60.226	128	TCP	0	443 → 53024 [ACK] Seq=1 Ack=1862 Win=64128 Len=0
Jan 5, 2025 12:22:25	10.105.60.114	10.107.79.30	277	UDP		16667 → 16667 Len=231
Jan 5, 2025 12:22:25	10.107.79.30,192.0.2.1	10.107.79.129,10.105.60.226	293	TLSv1		0 Server Hello, Change Cipher Spec, Encrypted Handshake Message
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	143	TLSv1		0 Alert (Level: Fatal, Description: Certificate Unknown)
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	148	TCP	0	53027 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	211	TLSv1		0 Change Cipher Spec, Encrypted Handshake Message
Jan 5, 2025 12:22:25	10.107.79.30	10.105.60.114	187	UDP		16667 → 16667 Len=141
Jan 5, 2025 12:22:25	10.107.79.129,10.105.60.226	10.107.79.30,192.0.2.1	781	TLSv1		0 Application Data
Jan 5, 2025 12:22:25	10.107.79.30	10.105.60.114	757	UDP		16667 → 16667 Len=711
Jan 5, 2025 12:22:25	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25	10.107.79.30,192.0.2.1	10.107.79.129,10.105.60.226	181	TLSv1		0 Encrypted Alert

Certificate
Verification for
HTTPS
Connection

عاسرإالم كحت دحو نم تالچسل

ةيعاعشإ راثآ

!! Mobility Handoff !!

```
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Number of client is BELOW wlan limit
{mobilityd_R0-0}{1} [mm-transition] [26021] (info) MAC Client-MAC MMFSM transition S_MC_INIT -> S_MC_Anchor
[]{wnacd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Roam type changed - None -> L3 Requested
```

!! Session Created for Client !!

```
{wnacd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_AS
{wnacd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wnacd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][ 0.0.0.0]Param-map used: global
{wnacd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][ 0.0.0.0]Applying IPv4 ipsec
{wnacd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wnacd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_CR
{wnacd_x_R0-0}{1}: [mm-transition] [24229]: (info): MAC: Client_MAC MMIF FSM transition: S_MA_INIT -> S_MA_Anchor
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Export Anchor Response successfully processed
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Forwarding Anchor Response to Foreign.
{mobilityd_R0-0}{1} [mm-client] [26021] (info) MAC Client-MAC Forwarding export_Anchor_rsp, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.
[]{wnacd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Mobility role changed - Unassoc -> Export Anchor
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.>> Client is successfully anchored
```

!! Client DHCP Traffic !!

```
{wnacd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_MOBILITY
{wnacd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_DPATH_P
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wnacd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wnacd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
```


{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53009/1
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53011/195
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53011/1
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53020/195
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53022/235
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/195
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/195
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]POST rc
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]get ur
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Read co
{wncd_x_R0-0}{1}: [sadb-attr] [24229]: (info): Removing ipv6 addresses from the attr list -1526718499,s
 {wncd_x_R0-0}{1}: [caaa-authen] [24229]: (info): [CAAA:AUTHEN:4000544] NULL ATTR LIST
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]State L
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/195
{wncd_x_R0-0}{1}: [sadb-attr] [24229]: (info): Removing ipv6 addresses from the attr list 1761615853,sm
 {wncd_x_R0-0}{1}: [caaa-author] [24229]: (info): [CAAA:AUTHOR:4000544] NULL ATTR LIST
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]State A
{wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Unapply I
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raising ext evt Template D
{wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Unapply I
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raising ext evt Template D
{wncd_x_R0-0}{1}: [llbridge-main] [24229]: (debug): MAC: Client_MAC Link-local bridging not enabled for
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Authc success from WebAuth
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raised event APPLY_USER_PR
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raised event RX_METHOD_AUT

{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : username 0 Guest1
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : aaa-author-type 0 1 (0x1)
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : aaa-author-service 0 16 (0x10)
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : clid-MAC-addr 0 Client_MAC
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : addr 0 0xa693ce2
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : method 0 1 [webauth]
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : clid-MAC-addr 0 Client_MAC
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : intf-id 0 2684354561 (0xa0000001)
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
 {wncd_x_R0-0}{1}: [auth-mgr-feat-acct] [24229]: (info): [Client_MAC:mobility_a0000001] SM Notified attr
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Received User-Name Guest1
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Method webauth changing st
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Context changing state fro
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raised event AUTHZ_SUCCESS
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Context changing state fro
 {wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Applying
 {wncd_x_R0-0}{1}: [svm] [24229]: (info): SVM_INFO: Applying Svc Templ IP-Adm-V4-LOGOUT-ACL (ML:NONE)
 {wncd_x_R0-0}{1}: [epm] [24229]: (info): [Client_MAC:mobility_a0000001] Feature (EPM URL PLUG-IN) has b
 {wncd_x_R0-0}{1}: [svm] [24229]: (info): SVM_INFO: Response of epm is SYNC with return code Success
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raising ext evt Template A
 {wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [24229]: (ERR): authc policy update from SANet vlan 31
 {wncd_x_R0-0}{1}: [llbridge-main] [24229]: (debug): MAC: Client_MAC Link-local bridging not enabled for
 {wncd_x_R0-0}{1}: [webauth-sess] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Param-ma
 {wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Param-m
 {wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]State A
 {wncd_x_R0-0}{1}: [webauth-page] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]Sending V
 {wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/195
 {wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/195
 {wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.226]53023/1
 {wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] SM will not send event Tem
 {wncd_x_R0-0}{1}: [client-auth] [24229]: (note): MAC: Client_MAC L3 Authentication Successful. ACL:[]

{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [rog-proxy-capwap] [24229]: (debug): Managed client RUN state notification: Client_MA
{wncd_x_R0-0}{1}: [avc-afc] [24229]: (info): ReAnchor [client MAC: Client_MAC] Client has Anchor role
{wncd_x_R0-0}{1}: [avc-afc] [24229]: (info): ReAnchor [client MAC: Client_MAC] Guest client detected. S
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_L3

مرحلة طاقات

ربع يجرأ مرحلت زاهج نم DHCP رورم كرح ةاسررمل مرحلت زاهج ملتسي، ةكرجل لقن دعب
يكرح قفنلا

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 07:21:49...	10.107.79.30	10.105.60.114	400	UDP		16667 → 16667 Len=354
Jan 5, 2025 07:21:49...	0.0.0.0	255.255.255.255	346	DHCP		DHCP Discover – Transaction ID 0x9f36b979
Jan 5, 2025 07:21:51...	10.105.60.69	10.105.60.226	346	DHCP		DHCP Offer – Transaction ID 0x9f36b979
Jan 5, 2025 07:21:51...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354
Jan 5, 2025 07:21:51...	10.107.79.30	10.105.60.114	428	UDP		16667 → 16667 Len=382
Jan 5, 2025 07:21:51...	0.0.0.0	255.255.255.255	374	DHCP		DHCP Request – Transaction ID 0x9f36b979
Jan 5, 2025 07:21:51...	10.105.60.69	10.105.60.226	346	DHCP		DHCP ACK – Transaction ID 0x9f36b979
Jan 5, 2025 07:21:51...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354

مبينجأال مرحلتل ةدحو نم ءاسرالل مرحلت ةدحو لىل لمعلااب ءصاخال DHCP تانايب رورم كرح يقىل مت

ببول ءحفص لىل لوصولو تابلطو، لاصلتال ءاصوحف ءاسرالل ف مرحلتل ةدحو لىل قلىلت
ربكأ لكشب ءلءال ءقءاصملا لىل صافتو

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 12:21:52...	10.107.79.30	10.105.60.114	141	UDP		16667 → 16667 Len=95
Jan 5, 2025 12:21:52...	10.105.60.226	DNS IP	83	DNS		Standard query 0x14e8 Connectivity Check URL
Jan 5, 2025 12:21:52...	DNS IP	10.105.60.226	237	DNS		Standard query response 0x14e8 Connectivity Check URL
Jan 5, 2025 12:21:52...	10.105.60.114	10.107.79.30	287	UDP		16667 → 16667 Len=245
Jan 5, 2025 12:21:52...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:21:52...	10.105.60.226	Resolved IP	70	TCP		52887 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:21:52...	Resolved IP	10.105.60.226	66	TCP		80 → 52887 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 5, 2025 12:21:52...	10.105.60.114	10.107.79.30	120	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:21:52...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:21:52...	10.105.60.226	Resolved IP	58	TCP		52887 → 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 5, 2025 12:21:52...	10.107.79.30	10.105.60.114	223	UDP		16667 → 16667 Len=177
Jan 5, 2025 12:21:52...	10.105.60.226	Resolved IP	169	HTTP		GET /connecttest.txt HTTP/1.1
Jan 5, 2025 12:21:52...	Resolved IP	10.105.60.226	54	TCP		80 → 52887 [ACK] Seq=1 Ack=112 Win=64256 Len=0
Jan 5, 2025 12:21:52...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:21:52...	Resolved IP	10.105.60.226	687	HTTP		HTTP/1.1 200 OK (text/html)
Jan 5, 2025 12:21:52...	10.105.60.114	10.107.79.30	741	UDP		16667 → 16667 Len=699
Jan 5, 2025 12:21:52...	Resolved IP	10.105.60.226	54	TCP		80 → 52887 [FIN, ACK] Seq=634 Ack=112 Win=64256 Len=0
Jan 5, 2025 12:21:52...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66

ءاسرالل ف مرحلتل ةدحو لىل كبشلال لاصلتال ءلا نم ققحلتل

```

> Frame 604: 687 bytes on wire (5496 bits), 687 bytes captured (5496 bits)
> Ethernet II, Src: [REDACTED], Dst: [REDACTED]
> Internet Protocol Version 4, Src: [REDACTED], Dst: 10.105.60.226
> Transmission Control Protocol, Src Port: 80, Dst Port: 52887, Seq: 1, Ack: 112, Len: 633
✓ Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    Location: https://192.0.2.1/login.html?redirect=http://[REDACTED]
    Content-Type: text/html\r\n
  > Content-Length: 472\r\n
    \r\n
    [Request in frame: 601]
    [Time since request: 0.000992000 seconds]
    [Request URI: /connecttest.txt]
    [Full request URI: https://192.0.2.1/login.html?redirect=http://[REDACTED]]
    File Data: 472 bytes
> Line-based text data: text/html (9 lines)

```

ليعمل الى لسرمل URL هيجوت دواع

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	70	TCP		53024 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	66	TCP		443 → 53024 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 5, 2025 12:22:25...	10.105.60.114	10.107.79.30	120	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	58	TCP		53024 → 443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	450	UDP		16667 → 16667 Len=404
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	1308	TCP		53024 → 443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 3273]
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	54	TCP		443 → 53024 [ACK] Seq=1 Ack=1251 Win=64128 Len=0
Jan 5, 2025 12:22:25...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	723	UDP		16667 → 16667 Len=677
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	669	TLSv1...		Client Hello
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	54	TCP		443 → 53024 [ACK] Seq=1 Ack=1862 Win=64128 Len=0
Jan 5, 2025 12:22:25...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	219	TLSv1...		Server Hello, Change Cipher Spec, Encrypted Handshake Message
Jan 5, 2025 12:22:25...	10.105.60.114	10.107.79.30	273	UDP		16667 → 16667 Len=231
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	65	TLSv1...		Alert (Level: Fatal, Description: Certificate Unknown)
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	58	TCP		53024 → 443 [FIN, ACK] Seq=1869 Ack=166 Win=131072 Len=0
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	187	UDP		16667 → 16667 Len=141
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	133	TLSv1...		Change Cipher Spec, Encrypted Handshake Message
Jan 5, 2025 12:22:25...	10.107.79.30	10.105.60.114	757	UDP		16667 → 16667 Len=711
Jan 5, 2025 12:22:25...	10.105.60.226	192.0.2.1	703	TLSv1...		Application Data
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	107	TLSv1...		Encrypted Alert
Jan 5, 2025 12:22:25...	10.105.60.114	10.107.79.30	161	UDP		16667 → 16667 Len=119
Jan 5, 2025 12:22:25...	192.0.2.1	10.105.60.226	54	TCP		443 → 53027 [FIN, ACK] Seq=219 Ack=2678 Win=64128 Len=0

قدادصلم لىصافت ريفوتل ةيلحملم بيول ةقداصلم ةحفص لىل لىعملل لوصو

هذه نم Export Anchor رودب RUN ةلاحي في لىعملل لخدبي، ةحجانل ةيلحملم بيول ةقداصلم دعب
لىعملل تانايب رورم ةكرحل جورخ ةطقنك ةاسرلال مكحت ةدحو لمعت، ادعاصف ةطقنل

ءاسرلال مكحت ةدحوو ةيجراخلل مكحتل ةدحو نم لك لىل لىعملل ةلاحي

Monitoring > Wireless > Clients

Clients Sleeping Clients Excluded Clients

×

Delete

Selected 0 out of 1 Clients

☐	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐		10.105.60.226			0	DMZ_LWA	5	WLAN	Run	N/A	Guest1	N/A	Export Anchor	No

1

10

1 - 1 of 1 clients

ةيجراخ ةهج لىل لىعملل ةلودل

Delete

Selected 0 out of 1 Clients

	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
		10.105.60.226			0	DMZ_LWA	5	WLAN	Run	N/A	Guest1	N/A	Export Anchor	No

1 - 1 of 1 clients

تېبىتلىتىش دىن ئىشلىتىش

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Client Properties

AP Properties

Security Information

Client Statistics

Max Client Protocol Capability

802.11ac Wave 2

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Anchor IP Address

10.105.60.114

Point of Presence

0xA0000003

AuthC Status

True

Move Count

0

Role

Export Foreign

Roam Type

L3 Requested

جىراخلىق ئىشلىتىش ئىشلىتىش

Client

Mobility History

Client Statistics

Mobility	
Foreign IP Address	10.107.79.30
Point of Presence	0
Move Count	1
Role	Export Anchor
Roam Type	L3 Requested

ةاسرمرلا لىل عليملا لاصخ

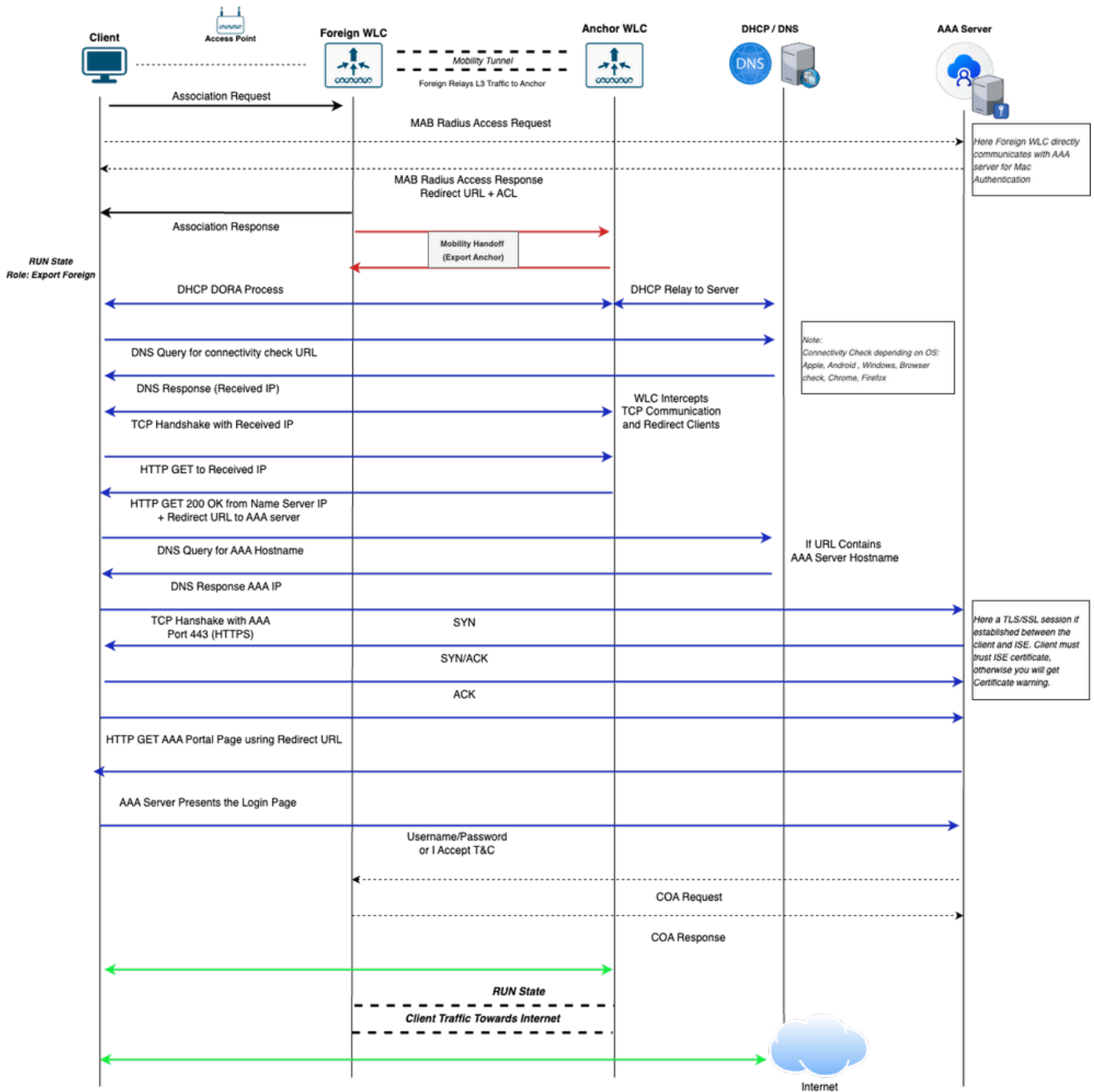
بىوللەيىزىك رەمىلە قىداق سەمەل

یچراخالءاسرإلاداعإف بیولاءقداصلمل یزك رمل SSID قفدت

1. ةيلحم لم ءكبش ل ي ف مكحتل ءءو ءطساوب عاذي يذل SSID ل نارتقا بلط ليملع لسري (WLC). ءيخراخل ءيكلسلال.
2. MAC ءيفصت ءيبئجالا (WLC) ءيكلسلال ءيلحمل ءكبشل ي ف مكحتل رصنع ذفنت لو ب ق ماخذتساب RADIUS مءاخ بيئتسي .RADIUS مءاخ لى لو ص و بلط لاسرا قي ر ط نع (ACL) لوصولا ي ف مكحتل ءمئل اق و هيءوتل ءءاعاب صاخال URL ناوع نمضتي يذلاو ،لوصولا ءيوررضل
3. ءباجتسإ يخراخل (WLC) ءيكلسلال ءيلحمل ءكبشل ي ف مكحتل رصنع لسري ليلعمل لى إلطابلرالا
4. ي ف مكحتل رصنع لى RUN ءلاح ليلعمل لخد ي .Anchor WLC جم انربب ليلعمل طبرمتي يخراخل ريءصل لى لى لقنلل رود نييعت عم ،يخراخل (WLC) ءيكلسلال ءيلحمل ءكبشل ءيلحمل ءكبشل ي ف مكحتل رصنع موقي ،ءلحرمل هءه ي ف IP ناوع لى لى عمل لصحي .
5. لى لى عمل هيءوو ،هيءوتل ءءاعا رورم ءكرء ءلالعب طبلراب ءصالا (WLC) ءيكلسلال

ةقداصملا لخدم

6. ةكرح تاونق عاشنإ متي. RADIUS مداخب ةرشابم ليمعلا لصتي ،هيجوتلا ةداعإ درجم ب. صاخلا (WLC) ةيكلساللا ةيلحملا ةكبشللا في مكحتلا رصنع لالخ نم هذه رورملا RADIUS مداخ هاجتاب ءاسترالاب
7. لسري ،ةحجانلا ةقداصملا دنع. RADIUS مداخ ىلا ةقداصملا دامتعا تانايب ليمعلا لخدي. ةيلحملا ةكبشللا في مكحتلا رصنع ىلا (CoA) ضيوفتلا ريغت بلط RADIUS مداخ يجرالخا (WLC) ةيكلساللا
8. ىلا CoA ةباجتسا يجرالخا (WLC) ةيكلساللا ةيلحملا ةكبشللا في مكحتلا رصنع لسري. رودلا نييغت عم ،WLC ءاسرا رصنع ىلع ليغشتلا ةلاح ىلا ليمعلا لقنتي. RADIUS مداخ ريذصت ءاسرا رصنع ىلع
9. ةكبشللا في مكحتلا رصنع نم ةيلاتلا ءالمعلا رورم ةكرح عيمجل تاونق عاشنإ متي. ةيكلساللا ةيلحملا ةكبشللا في مكحتلا رصنع ىلا يجرالخا (WLC) ةيكلساللا ةيلحملا ةكبشللا جرت ثيح ،ىسرملاب صاخلا (WLC)



يُجرى الاتصال بالإنترنت في WebAuth لـ SSID لـ العميل لـ الاتصال بـ قفد لـ طيخ التـ مـ سرالـ

تـ الجـ سـ لـ لـ الخـ نـ مـ جـ رـ خـ لـ عـ اـ سـ رـ لـ دـ اـ دـ عـ يـ فـ بـ يـ وـ لـ عـ قـ دـ اـ صـ لـ يـ زـ كـ رـ مـ لـ SSID قـ فـ دـ تـ لـ لـ حـ تـ

مـ اـ دـ خـ تـ سـ اـ بـ Central Web Authentication SSID لـ لـ مـ لـ مـ لـ لـ اـ صـ تـ اـ قـ فـ دـ تـ مـ سـ قـ لـ اـ ذـ هـ حـ ضـ وـ يـ
تـ اـ دـ حـ وـ نـ مـ لـ كـ يـ لـ عـ لـ مـ لـ مـ لـ وـ (EPC) نـ مـ ضـ مـ لـ مـ زـ حـ لـ طـ اـ قـ تـ لـ وـ (RA Trace) عـ شـ مـ لـ عـ بـ تـ لـ
عـ اـ سـ رـ لـ يـ فـ مـ كـ حـ تـ لـ تـ اـ دـ حـ وـ وـ عـ يـ جـ رـ خـ لـ مـ كـ حـ تـ لـ

عـ يـ بـ نـ جـ لـ مـ كـ حـ تـ لـ وـ دـ حـ وـ نـ مـ تـ اـ لـ جـ سـ لـ

!! Client Association Phase !!

{wncd_x_R0-0}{1}: [client-orch-sm] [17047]: (note): MAC: Client_MAC Association received. BSSID BSSID_M
 {wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_IN

!! MAC Authentication !!

{wncd_x_R0-0}{1}: [dot11] [17047]: (info): MAC: Client_MAC DOT11 state transition: S_DOT11_INIT -> S_DOT11_AUTH
 {wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_AS
 {wncd_x_R0-0}{1}: [client-auth] [17047]: (note): MAC: Client_MAC MAB Authentication initiated. Policy V
 {wncd_x_R0-0}{1}: [auth-mgr-feat-wireless] [17047]: (info): [Client_MAC:capwap_90000003] - authc_list: 1
 {wncd_x_R0-0}{1}: [auth-mgr-feat-wireless] [17047]: (info): [Client_MAC:capwap_90000003] - authz_list: 1
 {wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
 {wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
 {wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
 {wncd_x_R0-0}{1}: [mab] [17047]: (info): [Client_MAC:capwap_90000003] Received event 'MAB_CONTINUE' on
 {wncd_x_R0-0}{1}: [caaa-author] [17047]: (info): [CAAA:AUTHOR:a30003a6] NULL ATTR LIST

{wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Send Access-Request to 10.106.32.130:1812 id 0/245,
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: authenticator
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: User-Name [1] 14 user-MAC
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: User-Password [2] 18 *
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Service-Type [6] 6 Call Check [10]
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 31
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 25 service-type=Call Check
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Framed-MTU [12] 6 1485
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Message-Authenticator[80] 18 ...
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: EAP-Key-Name [102] 2 *
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 49
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 43 audit-session-id=1E4F6B0A000003
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 18
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 12 method=mab
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 32
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 26 client-iiif-id=3556776730
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: NAS-IP-Address [4] 6 10.107.79.30
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: NAS-Port-Type [61] 6 802.11 wireless [19]
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: NAS-Port [5] 6 141522
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 31
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 25 cisco-wlan-ssid=DMZ_CWA
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 33
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 27 wlan-profile-name=DMZ_CWA
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Called-Station-Id [30] 27 called-station-id
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Calling-Station-Id [31] 19 client-MAC
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Airespace [26] 12
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Airespace-WLAN-ID [1] 6 12
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Nas-Identifier [32] 16 ForeignSiteWLC
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Started 5 sec timeout
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Received from id 1812/245 10.106.32.130:0, Access-A
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: authenticator
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: User-Name [1] 19 Client_MAC
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Class [25] 56 ...
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Message-Authenticator[80] 18 ...
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 37
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 31 url-redirect-ac1=REDIRECT_ACL
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 191
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 185 url-redirect=https://10.106.32
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Vendor, Cisco [26] 42
 {wncd_x_R0-0}{1}: [radius] [17047]: (info): RADIUS: Cisco AVpair [1] 36 profile-name=Windows10-Workstat
 {wncd_x_R0-0}{1}: [mab] [17047]: (info): [Client_MAC:capwap_90000003] MAB received an Access-Accept for

{wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-sm] [17047]: (debug): MAC: Client_MAC Processing MAB authentication resu
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_MA
{wncd_x_R0-0}{1}: [dot11] [17047]: (info): MAC: Client_MAC dot11 send association response. Sending ass
{wncd_x_R0-0}{1}: [dot11] [17047]: (info): MAC: Client_MAC DOT11 state transition: S_DOT11_MAB_PENDING
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_AS
{wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-sm] [17047]: (debug): MAC: Client_MAC L2 Authentication of station is su
{wncd_x_R0-0}{1}: [client-orch-sm] [17047]: (note): MAC: Client_MAC Mobility discovery triggered. Client
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_L2

!! Mobility Handoff !!

□{mobilityd_R0-0}{1} [mm-dgram-io] [18401] (debug) MAC Client-MAC Sending message mobile_announce to gr
{mobilityd_R0-0}{1} [mm-pmtu] [18401] (debug) Peer IP Anchor-WLC-IP □{mobilityd_R0-0}{1} [mm-client] [1
{mobilityd_R0-0}{1} [mm-transition] MMFSM transition S_MC_WAIT_ANNOUNCE_RSP -> S_MC_ANNOUNCE_TIMEDOUT_P
□{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Received mobile_announce_nak, sub type 2 o
□{wncd_x_R0-0}{1} [mm-transition] [17047] (info) MAC Client-MAC MMIF FSM transition S_MA_INIT_WAIT_ANN
{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Sending export_Anchor_req of XID (XID) to (C
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RE
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Request successfully proce
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Sending export_Anchor_req of XID (176282
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_rsp, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RS
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Response successfully proc
□{wncd_x_R0-0}{1} [epm-misc] [17047] (info) Anchor Vlan-id 31 processed□[mm-client] [17047] (info) MAC
[mm-client] Mobility Successful. Roam Type L3 Requested, Sub Roam Type MM_SUB_ROAM_TYPE_NONE, Client IF
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_MOBILITY_DISCOVERY_IN_PROGRESS -> S_C
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_DPATH_PLUMB_IN_PROGRESS -> S_CO_IP_LE
□{wncd_x_R0-0}{1} [client-orch-sm] [17047] (debug) MAC Client-MAC Received ip learn response. method IP
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_IP_LEARN_IN_PROGRESS -> S_CO_RUN >> !

!! Post Successful Web authentication, Change of Authorization !!

{wncd_x_R0-0}{1}: [client-auth] [17047]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [caaa-ch] [17047]: (info): [CAAA:COMMAND HANDLER:a30003a6] Processing CoA request und
{wncd_x_R0-0}{1}: [caaa-ch] [17047]: (info): [CAAA:COMMAND HANDLER:a30003a6] Reauthenticate request (0x
{wncd_x_R0-0}{1}: [sadb-attr] [17047]: (info): Removing ipv6 addresses from the attr list -50323943,sm_
{wncd_x_R0-0}{1}: [mab] [17047]: (info): [Client_MAC:capwap_90000003] MAB re-authentication started for
{wncd_x_R0-0}{1}: [auth-mgr] [17047]: (info): [Client_MAC:capwap_90000003] Context changing state from
{wncd_x_R0-0}{1}: [auth-mgr] [17047]: (info): [Client_MAC:capwap_90000003] Method mab changing state fr
 {wncd_x_R0-0}{1}: [aaa-coa] [17047]: (info): radius coa proxy relay coa resp(wncd)
 {wncd_x_R0-0}{1}: [aaa-coa] [17047]: (info): CoA Response Details
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [17047]: (info): << ssg-command-code 0 32 >>
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [17047]: (info): << formatted-clid 0 Client_MAC>>
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [17047]: (info): << error-cause 0 1 [Success]>>
{wncd_x_R0-0}{1}: [aaa-coa] [17047]: (info): server:10.107.79.30 cfg_saddr:10.107.79.30 udpport:51304 s
 {wncd_x_R0-0}{1}: [caaa-ch] [17047]: (info): [CAAA:COMMAND HANDLER] CoA response sent
{wncd_x_R0-0}{1}: [caaa-ch] [17047]: (info): [CAAA:COMMAND HANDLER:a30003a6] Identity preserved: MAC (C
{wncd_x_R0-0}{1}: [mab] [17047]: (info): [Client_MAC:capwap_90000003] Received event 'MAB_REAUTHENTICAT
 {smd_R0-0}{1}: [aaa-coa] [18867]: (info): ++++++ Received CoA response Attribute List ++++++
{smd_R0-0}{1}: [radius] [18867]: (info): RADIUS(00000000): Send CoA Ack Response to 10.106.32.130:51304
 {smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: authenticator
 {smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: Vendor, Cisco [26] 9
 {smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: ssg-command-code [252] 3 ...
 {smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: Calling-Station-Id [31] 16 Client_MAC
{smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: Dynamic-Author-Error-Cause[101] 6 Success [200]
 {smd_R0-0}{1}: [radius] [18867]: (info): RADIUS: Message-Authenticator[80] 18 ...
 {smd_R0-0}{1}: [aaa-pod] [18867]: (info): CoA response source port = 0, udpport = 51304,
{wncd_x_R0-0}{1}: [sadb-attr] [17047]: (info): Removing ipv6 addresses from the attr list 1627397682,sm

هذه رورم الة كرح ةل اع م متي و، MAC ةق داص م ذيف ن ت ب موق ي و ن ارت ق ا ب ل ط ل ي م ع ل ل س ر ي ة .
 ةج ر ا خ ال م ك ح ت ال ة د ح و ة ط س ا و ب

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:11...	10.107.79.129	10.107.79.30	250	802.11		Association Request, SN=695, FN=0, Flags=....., SSID="DMZ_CWA"
Jan 8, 2025 13:09:11...	10.107.79.129	10.107.79.30	246	802.11		Association Request, SN=695, FN=0, Flags=....., SSID="DMZ_CWA"
Jan 8, 2025 13:09:11...	10.107.79.30	10.106.32.130	412	RADIUS		Access-Request id=245
Jan 8, 2025 13:09:11...	10.107.79.30	10.106.32.130	416	RADIUS		Access-Request id=245, Duplicate Request
Jan 8, 2025 13:09:11...	10.106.32.130	10.107.79.30	429	RADIUS		Access-Accept id=245
Jan 8, 2025 13:09:11...	10.106.32.130	10.107.79.30	425	RADIUS		Access-Accept id=245, Duplicate Response
Jan 8, 2025 13:09:11...	10.107.79.30	10.107.79.129	211	802.11		Association Response, SN=0, FN=0, Flags=.....
Jan 8, 2025 13:09:11...	10.107.79.30	10.107.79.129	215	802.11		Association Response, SN=0, FN=0, Flags=.....

ةي ك ل س ال ال MAB م ا د خ ت س ا ب ةي ج ر ا خ ال م ك ح ت ال ة د ح و ب ل ي م ع ل ل ن ا ر ت ق ا ة ل ح ر م

ر ب ع ا س ر ال ا ي ف م ك ح ت ال ا د ح و و ةي ج ر ا خ ال م ك ح ت ال ا د ح و ن ي ب ل ق ن ت ال ل ق ن ل ي غ ش ت م ت ي ر و د م ا د خ ت س ا ب ل ي غ ش ت ال ا ل ل ي م ع ل ال ا ح ل ق ن ت ، ل ق ن ت ال ا د ح ح ا ج ن د ن ع . UDP 16667 ذ ف ن م .
 ةج ر ا خ ر ي د ص ت

ة د ح و ال ا ه د ي ع ت و CAPWAP ق ف ن ر ب ع ل ي م ع ل ل DHCP ر و ر م ة ك ر ةي ج ر ا خ ال م ك ح ت ال ة د ح و ي ق ل ت
 ة ل ا ع م ل ن م د ي ز م ل ا س ت ر ال م ك ح ت

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:12...	10.107.79.129,0.0.0.0	10.107.79.30,255.255...	424	DHCP	0	DHCP Discover - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:12...	10.107.79.30	10.105.60.114	400	UDP		16667 → 16667 Len=354
Jan 8, 2025 13:09:14...	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
Jan 8, 2025 13:09:14...	10.107.79.30,10.105.60.69	10.107.79.129,10.105...	416	DHCP	0	DHCP Offer - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:14...	10.107.79.129,0.0.0.0	10.107.79.30,255.255...	452	DHCP	0	DHCP Request - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:14...	10.107.79.30	10.105.60.114	428	UDP		16667 → 16667 Len=382
Jan 8, 2025 13:09:14...	10.105.60.114	10.107.79.30	400	UDP		16667 → 16667 Len=354
Jan 8, 2025 13:09:14...	10.107.79.30,10.105.60.69	10.107.79.129,10.105...	416	DHCP	0	DHCP ACK - Transaction ID 0x9f36b979

ي ف م ك ح ت ال ة د ح و ال ا ةي ب ن ج ال م ك ح ت ال ة د ح و ال ا ه ي ق ل ت م ت ي ي ت ال ل ي م ع ل ا ب ة ص ا خ ال DHCP ر و ر م ة ك ر ة ه ي ج و ت ة د ا ع م ت
 ل ق ن ت ال ق ف ن م ا د خ ت س ا ب ا س ر ال

ب ي و ل ا ة ح ف ص ال ا ل و ص و ل ا ص ح ف ر و ر م ة ك ر ة و ة ك ب ش ل ل ا ص ت ا ة ل ا ح ل ي م ع ل ل س ر ي ، ل ث م ل ا ب و
 CAPWAP ق ف ن ر ب ع ةي ج ر ا خ ال (WLC) ةي ك ل س ال ال ا ةي ل ح م ل ا ة ك ب ش ل ل ي ف م ك ح ت ال ر ص ن ع ال
 م ك ح ت ز ا ه ج ي س ر م ل ا ث ي ح ، ةي ك ر ة ق ف ن ل ل م ع ت س ي WLC ط ب ر ل ال ا ا ذ ه ةي ج ر ا خ WLC ل ل س ر ي
 ر و ر م ة ك ر ة ل ا ع ا ي و ا ض ر ت ع ي

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, DNS IP	165	DNS	0	Standard query 0xd4c8 / Connectivity Check URL
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	100	UDP		16667 → 16667 Len=54
Jan 8, 2025 13:09:16...	10.105.60.114	10.107.79.30	291	UDP		16667 → 16667 Len=245
Jan 8, 2025 13:09:16...	10.107.79.30, DNS IP	10.107.79.129,10.105...	307	DNS	0	Standard query response 0xd4c8 / Connectivity Check URL
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, Resolved IP	148	TCP	0	59484 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:16...	10.105.60.114	10.107.79.30	124	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:16...	10.107.79.30, Resolved IP	10.107.79.129,10.105...	140	TCP	0	80 → 59484 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, Resolved IP	136	TCP	0	59484 → 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, Resolved IP	247	HTTP	0	GET /connecttest.txt HTTP/1.1
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	223	UDP		16667 → 16667 Len=177
Jan 8, 2025 13:09:16...	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:16...	10.107.79.30, Resolved IP	10.107.79.129,10.105...	128	TCP	0	80 → 59484 [ACK] Seq=1 Ack=112 Win=64256 Len=0
Jan 8, 2025 13:09:16...	10.105.60.114	10.107.79.30	117	UDP		16667 → 16667 Len=71
Jan 8, 2025 13:09:16...	10.105.60.114	10.107.79.30	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:16...	10.107.79.30, Resolved IP	10.107.79.129,10.105...	1045	HTTP	0	HTTP/1.1 200 OK (text/html)
Jan 8, 2025 13:09:16...	10.107.79.30	10.107.79.129,10.105...	128	TCP	0	80 → 59484 [FIN, ACK] Seq=918 Ack=112 Win=64256 Len=0
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, Resolved IP	136	TCP	0	59484 → 80 [ACK] Seq=112 Ack=919 Win=130304 Len=0
Jan 8, 2025 13:09:16...	10.107.79.129,10.105.60.249	10.107.79.30, Resolved IP	136	TCP	0	59484 → 80 [FIN, ACK] Seq=112 Ack=919 Win=130304 Len=0
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:16...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66

ةج ر ا خ ال م ك ح ت ال ة د ح و ب ة ك ب ش ل ل ا ص ت ا ة ل ا ح ن م ق ق ح ت ال

```

> Frame 2176: 761 bytes on wire (6088 bits), 761 bytes captured (6088 bits)
> Ethernet II, Src: Cisco_63:8b:8b, Dst: Cisco_
> 802.1Q Virtual LAN, PRI: 0, DEI: 0, ID: 1415
> Internet Protocol Version 4, Src: 10.107.79.30, Dst: 10.107.79.129
> User Datagram Protocol, Src Port: 5247, Dst Port: 5264
> Control And Provisioning of Wireless Access Points - Data
> IEEE 802.11 QoS Data, Flags: .....F.
> Logical-Link Control
> Internet Protocol Version 4, Src: : 10.105.60.226
> Transmission Control Protocol, Src Port: 80, Dst Port: 52887, Seq: 1, Ack: 112, Len: 633
> Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    Location: https://192.0.2.1/login.html?redirect=
    Content-Type: text/html\r\n
  > Content-Length: 472\r\n
    \r\n
    [Request in frame: 2169]
    [Time since request: 0.001007000 seconds]
    [Request URI: /connecttest.txt]
    [Full request URI: ]
    File Data: 472 bytes
> Line-based text data: text/html (9 lines)

```

ليعمل الى لسرمل URL هي جوت دواع

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	124	UDP	16667	16667 → 16667 Len=78
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	66	TCP	59500	59500 → 8443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 8, 2025 13:09:22...	10.106.32.130	10.105.60.249	70	TCP	8443	8443 → 59500 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1254 SACK_PERM WS=128
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	120	UDP	16667	16667 → 16667 Len=78
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	112	UDP	16667	16667 → 16667 Len=66
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	54	TCP	59501	59501 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	1342	UDP	16667	16667 → 16667 Len=1296
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	1304	TCP	59500	59500 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 1162]
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	563	UDP	16667	16667 → 16667 Len=517
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	505	TLSv1...		Client Hello
Jan 8, 2025 13:09:22...	10.106.32.130	10.105.60.249	1308	TCP	8443	8443 → 59501 [ACK] Seq=1 Ack=1766 Win=33280 Len=1250 [TCP PDU reassembled in 1181]
Jan 8, 2025 13:09:22...	10.106.32.130	10.105.60.249	863	TLSv1...		Server Hello, Certificate, Server Key Exchange, Server Hello Done
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	962	UDP	16667	16667 → 16667 Len=920
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	446	UDP	16667	16667 → 16667 Len=404
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	112	UDP	16667	16667 → 16667 Len=66
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	54	TCP	59500	59500 → 8443 [ACK] Seq=1702 Ack=2056 Win=131072 Len=0
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	119	UDP	16667	16667 → 16667 Len=73
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	112	UDP	16667	16667 → 16667 Len=66
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	61	TLSv1...		Alert (Level: Fatal, Description: Certificate Unknown)
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	54	TCP	59501	59501 → 8443 [ACK] Seq=1766 Ack=2056 Win=131072 Len=0
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	112	UDP	16667	16667 → 16667 Len=66
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	180	TLSv1...		Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
Jan 8, 2025 13:09:22...	10.106.32.130	10.105.60.249	64	TLSv1...		Change Cipher Spec
Jan 8, 2025 13:09:22...	10.106.32.130	10.105.60.249	103	TLSv1...		Encrypted Handshake Message
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	114	UDP	16667	16667 → 16667 Len=72
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	153	UDP	16667	16667 → 16667 Len=111
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	112	UDP	16667	16667 → 16667 Len=66
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	54	TCP	59503	59503 → 8443 [ACK] Seq=1860 Ack=2107 Win=131072 Len=0
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	1095	TLSv1...		Application Data
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	1153	UDP	16667	16667 → 16667 Len=1107
Jan 8, 2025 13:09:22...	10.105.60.114	10.107.79.30	936	UDP	16667	16667 → 16667 Len=894
Jan 8, 2025 13:09:22...	10.107.79.30	10.105.60.114	1133	UDP	16667	16667 → 16667 Len=1087
Jan 8, 2025 13:09:22...	10.105.60.249	10.106.32.130	1075	TLSv1...		Application Data

قداصلم لى صافات رى فوتل ىزك رمل بى و ح ف ص لى لى عمل لوصو

حج انال ىزك رمل بى و ل قداصلم دعب CoA بل ط عجالع م ب ىزج راخال مكحتل ةدحو موقى

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:33...	10.106.32.130	10.107.79.30	248	RADIUS		CoA-Request id=2
Jan 8, 2025 13:09:33...	10.106.32.130	10.107.79.30	244	RADIUS		CoA-Request id=2, Duplicate Request
Jan 8, 2025 13:09:33...	10.107.79.30	10.106.32.130	111	RADIUS		CoA-ACK id=2
Jan 8, 2025 13:09:33...	10.107.79.30	10.106.32.130	115	RADIUS		CoA-ACK id=2, Duplicate Response

ةبى بنجأ مكحت ةدحو مادختساب (COA) ضى وفتل رى غت

عاس رال مكحت ةدحو نم تالجسل

!! Mobility Handoff !!

```
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Number of client is BELOW wlan limit
{mobilityd_R0-0}{1} [mm-transition] [26021] (info) MAC Client-MAC MMFSM transition S_MC_INIT -> S_MC_Anchor
[]{wncd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Roam type changed - None -> L3 Requested
```

!! Session Created for Client !!

```
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_AUTH
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-sm] [24229]: (debug): MAC: Client_MAC L2 Authentication of station issued
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_CR
{wncd_x_R0-0}{1}: [mm-transition] [24229]: (info): MAC: Client_MACMMIF FSM transition: S_MA_INIT -> S_MA_Anchor
{wncd_x_R0-0}{1}: [mm-client] [24229]: (info): MAC: Client_MACRoam type changed - None -> L3 Requested
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Export Anchor Response successfully processed
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Forwarding Anchor Response to Foreign.
{mobilityd_R0-0}{1} [mm-client] [26021] (info) MAC Client-MAC Forwarding export_Anchor_rsp, sub type 0 of 1
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is Anchored.
[]{wncd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Mobility role changed - Unassoc -> Export Anchor
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is Anchored.>> Client is successfully anchored
```

!! Central Web Authentication Applied !!

```
{wncd_x_R0-0}{1}: [webauth-dev] [24229]: (info): Central Webauth URL Redirect, Received a request to create session
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][ 0.0.0.0]Param-map used: global
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][ 0.0.0.0]State Invalid State -> INIT
{wncd_x_R0-0}{1}: [epm-redirect] [24229]: (info): [0000.0000.0000:unknown] URL-Redirect = https://10.106.3.10
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: method 0 2 [mab]
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: clid-MAC-addr 0 Client_MAC
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: intf-id 0 2415919107 (0x90000000)
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: username 0 D0-37-45-88-25-52
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: class 0 43 41 43 53 3a 31 45 34
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: url-redirect-ac1 0 REDIRECT_ACL
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applied User Profile: url-redirect 0 https://10.106.3.10
```

!! Client DHCP Traffic !!

```
{wncd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_MOBILITY
{wncd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_DPATH_P
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MAC
{wncd_x_R0-0}{1} [client-iplearn] [24229] (note) MAC Client-MAC Client IP learn successful. Method DHCP
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Sending ipv4_address_update of XID (XID)
{wncd_x_R0-0}{1} [client-iplearn] [24229] (info) MAC Client-MAC IP-learn state transition S_IPLEARN_IN_PROGRESS
Complete
{wncd_x_R0-0}{1}: [client-orch-sm] [24229]: (debug): MAC: Client_MAC Received ip learn response. method 0
```

!! Central Web Authentication !!

```
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): [Client_MAC][ 10.105.60.249]59494/233 IO state NEW -> R
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): [Client_MAC][ 10.105.60.249]59495/235 IO state NEW -> R
```

{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): [Client_MAC][10.105.60.249]59494/233 Read event, Message received
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): Captive bypass: No parameter map associated. Falling back to default
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][10.105.60.249]Param-map used: global
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][10.105.60.249]State GET_REDIRECT -> GET_REDIRECT
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): [Client_MAC][10.105.60.249]59494/233 IO state READING
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): [Client_MAC][10.105.60.249]59494/233 IO state WRITING
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): [Client_MAC][10.105.60.249]59494/233 Remove IO ctx
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC Sending export_anchor_rsp of XID (18)
{wncd_x_R0-0}{1}: [client-auth] [24229]: (note): MAC: Client_MAC L3 Authentication Successful. ACL:[]
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_L3

مرحلة طاقته

ربع يجرأ مكنه زاهل نم DHCP رورم كرح ةاسرمل مكنه زاهج ملتسي، ةكره ل قن دعب
يكره قف لل.

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:42...	10.107.79.30	10.105.60.114	396	UDP		16667 → 16667 Len=354
Jan 8, 2025 13:09:42...	0.0.0.0	255.255.255.255	286	DHCP		DHCP Discover - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:44...	10.105.60.69	10.105.60.249	286	DHCP		DHCP Offer - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	424	UDP		16667 → 16667 Len=382
Jan 8, 2025 13:09:44...	0.0.0.0	255.255.255.255	286	DHCP		DHCP Request - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:44...	10.105.60.69	10.105.60.249	286	DHCP		DHCP ACK - Transaction ID 0x9f36b979
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354

ةيبنجأ مكنه ةدحو نم ةاسرمل مكنه ةدحو لى Client DHCP رورم كرح يقلت مت

ب، ولاء ءحفص لى لوصولا تابلطو، لاصتالا تا صو ح ف ءاسرالا ي ف مكنه ل ةدحو لى قلت
ربكأ لكشب ءعمالل ءقدا صم ل لى صا ف و

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	114	UDP		16667 → 16667 Len=72
Jan 8, 2025 13:09:44...	10.105.60.249	DNS IP	83	DNS		Standard query 0xd4c8 Connectivity Check URL
Jan 8, 2025 13:09:44...	DNS IP	10.105.60.249	237	DNS		Standard query response 0xd4c8 A Connectivity Check URL rafficma
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	287	UDP		16667 → 16667 Len=245
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:44...	10.105.60.249	Resolved IP	70	TCP		59484 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 8, 2025 13:09:44...	Resolved IP	10.105.60.249	66	TCP		80 → 59484 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	120	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	223	UDP		16667 → 16667 Len=177
Jan 8, 2025 13:09:44...	10.105.60.249	Resolved IP	58	TCP		59484 → 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 8, 2025 13:09:44...	10.105.60.249	Resolved IP	169	HTTP		GET /connecttest.txt HTTP/1.1
Jan 8, 2025 13:09:44...	Resolved IP	10.105.60.249	54	TCP		80 → 59484 [ACK] Seq=1 Ack=112 Win=64256 Len=0
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:44...	Resolved IP	10.105.60.249	971	HTTP		HTTP/1.1 200 OK (text/html)
Jan 8, 2025 13:09:44...	10.105.60.249	10.105.60.249	54	TCP		80 → 59484 [FIN, ACK] Seq=918 Ack=112 Win=64256 Len=0
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:44...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:44...	10.105.60.249	Resolved IP	58	TCP		59484 → 80 [ACK] Seq=112 Ack=919 Win=130304 Len=0
Jan 8, 2025 13:09:44...	10.105.60.249	Resolved IP	58	TCP		59484 → 80 [FIN, ACK] Seq=112 Ack=919 Win=130304 Len=0
Jan 8, 2025 13:09:44...	Resolved IP	10.105.60.249	54	TCP		80 → 59484 [ACK] Seq=919 Ack=113 Win=64256 Len=0
Jan 8, 2025 13:09:44...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66

ءاسرالا ي ف مكنه ل ةدحو لى كشب ل لاصتالا ءلا ح نم قق ح ت ل

```

> Frame 864: 971 bytes on wire (7768 bits), 971 bytes captured (7768 bits)
> Ethernet II, Src: [REDACTED], Dst: [REDACTED]
> Internet Protocol Version 4, Src: [REDACTED] Dst: 10.105.60.249
> Transmission Control Protocol, Src Port: 80, Dst Port: 59484, Seq: 1, Ack: 112, Len: 917
✓ Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    [...]Location: https://10.106.32.130:8443/portal/gateway?sessionId=1E4F6B0A000003D247203276&portal=d06bc2
    Content-Type: text/html\r\n
    Content-Length: 614\r\n
    \r\n
    [Request in frame: 861]
    [Time since request: 0.001007000 seconds]
    [Request URI: /connecttest.txt]
    [Full request URI: [REDACTED]]
    File Data: 614 bytes
  > Line-based text data: text/html (9 lines)

```

ليعمل الى لسر URL هيجوت دواع

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	148	TCP	0	59501 → 8443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	124	UDP		16667 → 16667 Len=78
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	140	TCP	1	8443 → 59501 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1254 SACK_PERM WS=128
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	136	TCP	0	59501 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	1386	TCP	0	59501 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 1420]
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	651	TLSv1		0 Client Hello
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	627	UDP		16667 → 16667 Len=581
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	1342	UDP		16667 → 16667 Len=1296
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	450	UDP		16667 → 16667 Len=404
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	917	UDP		16667 → 16667 Len=871
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	1378	TCP	0	8443 → 59500 [ACK] Seq=1 Ack=1702 Win=34688 Len=1250 [TCP PDU reassembled in 1432]
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	933	TLSv1		0 Server Hello, Certificate, Server Key Exchange, Server Hello Done
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	917	UDP		16667 → 16667 Len=871
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	1378	TCP	0	8443 → 59501 [ACK] Seq=1 Ack=1766 Win=33280 Len=1250 [TCP PDU reassembled in 1437]
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	143	TLSv1		0 Alert (Level: Fatal, Description: Certificate Unknown)
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	136	TCP	0	59501 → 8443 [ACK] Seq=1766 Ack=2056 Win=131072 Len=0
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	119	UDP		16667 → 16667 Len=73
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	262	TLSv1		0 Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	118	UDP		16667 → 16667 Len=72
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	157	UDP		16667 → 16667 Len=111
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	134	TLSv1		0 Change Cipher Spec
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	173	TLSv1		0 Encrypted Handshake Message
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	1177	TLSv1		0 Application Data
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	1153	UDP		16667 → 16667 Len=1107
Jan 8, 2025 13:09:21	10.105.60.114	10.107.79.30	940	UDP		16667 → 16667 Len=894
Jan 8, 2025 13:09:21	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.249	956	TLSv1		0 Application Data
Jan 8, 2025 13:09:21	10.107.79.129,10.105.60.249	10.107.79.30,10.106.32.130	1157	TLSv1		0 Application Data
Jan 8, 2025 13:09:21	10.107.79.30	10.105.60.114	1133	UDP		16667 → 16667 Len=1087

قداصم الى صافات ريفوتل عي لحلم بيول قداصم قحفص الى ليعمل لوصو

CoA حاجن دعب (CoA) ليوختل ريفوتل ليغشت متي، بيولل عيزك رمل قداصم الحاجن دنع Export Anchor رود مادختساب ليوغشتل علاح الى ليعمل لقتنني

عاسرالا مكحت دحوو عيجراخل مكحتل دحوو نم لك الى ليعمل علاح

Delete

Refresh

Selected 0 out of 1 Clients

☐	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐	[REDACTED]	10.105.60.249	fe80::877c:b748:ddc:4fc0	[REDACTED]	1	DMZ_CWA	14	WLAN	Run	11ac		N/A	Export Foreign	No

1

10

1 - 1 of 1 clients

جرحاخ ةه على ةليعم ةلودلا

×

Delete

Selected 0 out of 1 Clients

☐	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐		10.105.60.249	fe80::877c:b748:ddc:4fc0		0	DMZ_CWA	6	WLAN	Run	N/A	guestuser	N/A	Export Anchor	No

1

10

1 - 1 of 1 clients

تثبتالت دن ةليعم ةلاخ

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Client Properties

AP Properties

Security Information

Client Statistics

Max Client Protocol Capability

802.11ac Wave 2

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Anchor IP Address

10.105.60.114

Point of Presence

0xA0000003

AuthC Status

True

Move Count

0

Role

Export Foreign

Roam Type

L3 Requested

جرحاخ لا فليعم ةلاصا

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Client Properties

AP Properties

Security Information

Client Statistics

FlexConnect Authentication

N/A

Number of Tx Total Dropped Packets

0

Client Scan Report Time

Timer not running

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Foreign IP Address

10.107.79.30

Point of Presence

0

Move Count

1

Role

Export Anchor

Roam Type

L3 Requested

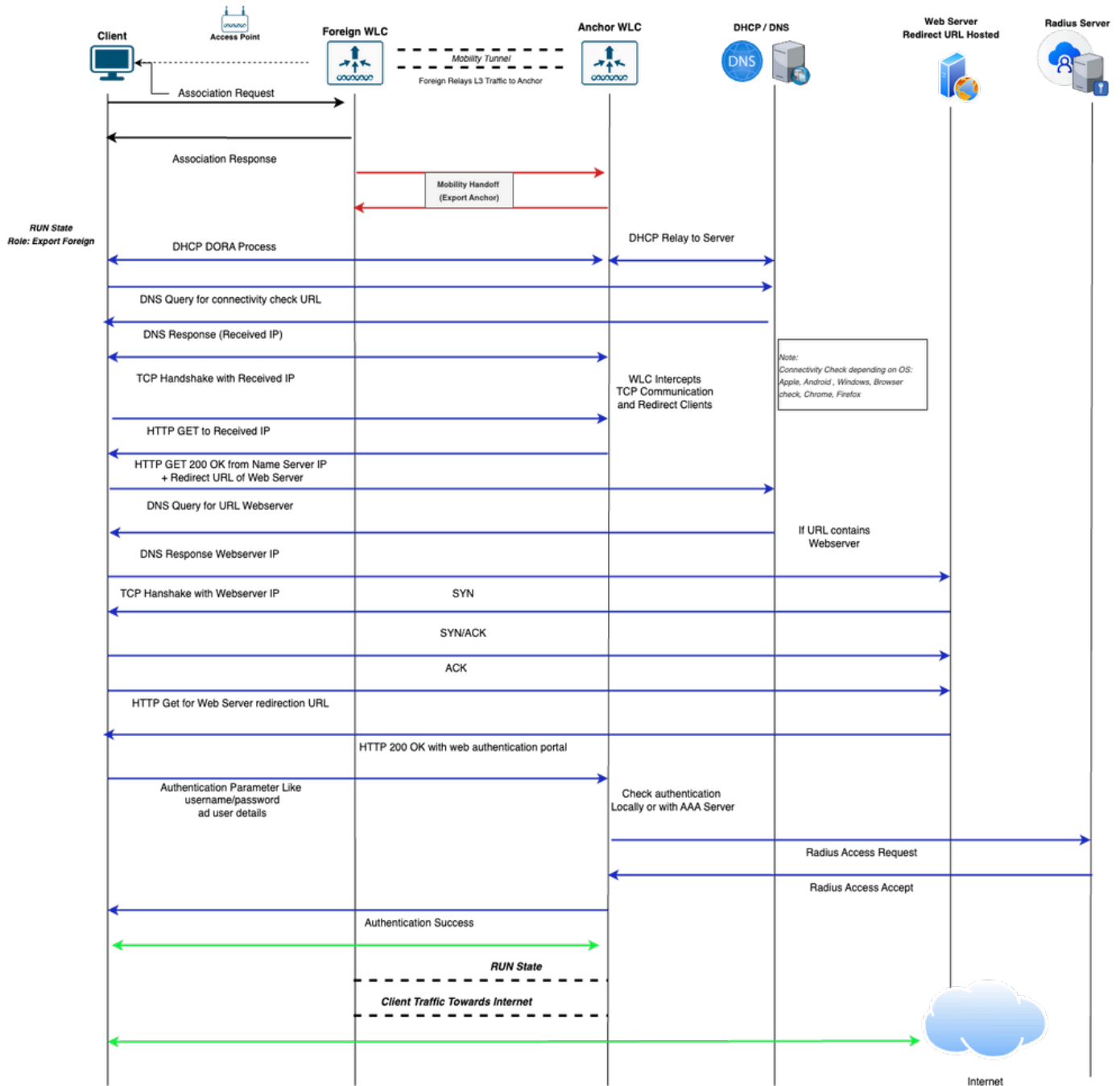
قائمة الـ Client Properties

إعدادات Client Properties

إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.

1. إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.
2. إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.
3. إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.
4. إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.
5. إعدادات Client Properties هي إعدادات Client Properties التي يتم استخدامها في إعدادات Client Properties.

رصنع نم ةيالات الالمعلا رورم ةكرح عيمل تاونق عاشنإ متي ،ةحجاننل ةقداصلم لدع ب 6. ةكبشلل يف مكحتل رصنع لىل ايجراخل (WLC) ةيكلسلال ةيلحمل ةكبشلل يف مكحتل ةكبشلل ليجست متي ثيح ،ىسرمل (WLC) ةيكلسلال ةيلحمل



يجراخل اساسال دادع يف ةيجراخ بيو ةقداصلم SSID ل لىمعل لاصتا قفدت ططخم

تالچسلال لالخنم يجراخل اساسال دادع يف بيو ةقداصلم يجراخل SSID قفدت لىلحت

عبتتال مادختساب ةيجراخل بيولا ةقداصلم SSID ل لىمعل لاصتا قفدت مسقلا اذه حضوي مكحتل تادحو نم لك لىل لىمعل ةلاحو ،(EPC) ةنمضمل مزحل طاقتلاو ،(RA Trace) عشملا اساسال يف مكحتل تادحوو ةيجراخل

ةيبنجال م كحتلا ءءو نم تالءسلا

ةيعاعشا راآ

!! Client Association Phase !!

```
{wncd_x_R0-1}{1}: [client-orch-sm] [17162]: (note): MAC: Client_MAC Association received. BSSID BSSID_M
{wncd_x_R0-1}{1}: [client-orch-state] [17162]: (note): MAC: Client_MAC Client state transition: S_CO_IN
{wncd_x_R0-1}{1}: [dot11] [17162]: (info): MAC: Client_MAC dot11 send association response. Sending ass
{wncd_x_R0-1}{1}: [dot11] [17162]: (note): MAC: Client_MAC Association success. AID 1, Roaming = False,
{wncd_x_R0-1}{1}: [dot11] [17162]: (info): MAC: Client_MAC DOT11 state transition: S_DOT11_INIT -> S_DO
```

!! Layer 2 Authentication None !!

```
{wncd_x_R0-1}{1}: [client-orch-state] [17162]: (note): MAC: Client_MAC Client state transition: S_CO_AS
{wncd_x_R0-1}{1}: [client-auth] [17162]: (note): MAC: Client_MAC L2 Authentication initiated. method WE
{wncd_x_R0-1}{1}: [client-auth] [17162]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-1}{1}: [client-auth] [17162]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-1}{1}: [client-auth] [17162]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-1}{1}: [client-orch-sm] [17162]: (debug): MAC: Client_MAC L2 Authentication of station is su
{wncd_x_R0-1}{1}: [client-orch-sm] [17162]: (note): MAC: Client_MAC Mobility discovery triggered. Client
{wncd_x_R0-1}{1}: [client-orch-state] [17162]: (note): MAC: Client_MAC Client state transition: S_CO_L2
{wncd_x_R0-1}{1}: [client-orch-state] [17162]: (note): MAC: Client_MAC Client state transition: S_CO_MO
```

!! Mobility Handoff !!

```
{mobilityd_R0-0}{1} [mm-dgram-io] [18401] (debug) MAC Client-MAC Sending message mobile_announce to gro
{mobilityd_R0-0}{1} [mm-pmtu] [18401] (debug) Peer IP Anchor-WLC-IP □{mobilityd_R0-0}{1} [mm-client] [1
{mobilityd_R0-0}{1} [mm-transition] MMFSM transition S_MC_WAIT_ANNOUNCE_RSP -> S_MC_ANNOUNCE_TIMEDOUT_P
□{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Received mobile_announce_nak, sub type 2 o
□{wncd_x_R0-0}{1} [mm-transition] [17047] (info) MAC Client-MAC MMIF FSM transition S_MA_INIT_WAIT_ANN
{wncd_x_R0-0}{1} [mm-client] [17047] (debug) MAC Client-MAC Sending export_Anchor_req of XID (XID) to (
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RE
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Request successfully proce
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Sending export_Anchor_req of XID (176282)
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Received export_Anchor_rsp, sub type 0 o
{mobilityd_R0-0}{1} [mm-transition] [18401] (info) MAC Client-MAC MMFSM transition S_MC_WAIT_EXP_ANC_RS
{mobilityd_R0-0}{1} [mm-client] [18401] (debug) MAC Client-MAC Export Anchor Response successfully proc
□{wncd_x_R0-0}{1} [epm-misc] [17047] (info) Anchor Vlan-id 31 processed□[mm-client] [17047] (info) MAC
[mm-client] Mobility Successful. Roam Type L3 Requested, Sub Roam Type MM_SUB_ROAM_TYPE_NONE, Client IF
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_MOBILITY_DISCOVERY_IN_PROGRESS -> S_CO
{wncd_x_R0-0}{1} [client-orch-state] Client state transition S_CO_DPATH_PLUMB_IN_PROGRESS -> S_CO_IP_LE
{wncd_x_R0-0}{1}: [client-orch-state] [17047]: (note): MAC: Client_MAC Client state transition: S_CO_IP.
```

!! Client AAAA Traffic !!

```
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Received aaa_handoff, sub type: 0 of
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa_handoff base check is VALID
{mobilityd_R0-0}{1}: [mm-transition] [18401]: (info): MAC: Client_MAC MMFSM transition: S_MC_RUN -> S_M
{mobilityd_R0-0}{1}: [mm-client] [18401]: (info): MAC: Client_MAC Forwarding aaa_handoff, sub type: 0 o
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Sending aaa_handoff of XID (38840) t
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC AAA Handoff successfully forwarded.
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Received aaa_handoff, sub type: 0 of XI
{wncd_x_R0-0}{1}: [mm-transition] [17047]: (info): MAC: Client_MAC MMIF FSM transition: S_MA_FOREIGN ->
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Mobile AAA Handoff update received.
{wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [17047]: (info): MAC: Client_MAC Received username=Test321
{wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [17047]: (info): MAC: Client_MAC IPv6 Client payload is re
{wncd_x_R0-0}{1}: [mm-client] [17047]: (debug): MAC: Client_MAC Sending aaa_handoff_ack of XID (38840)
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC Received aaa_handoff_ack, sub type:
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC AAA Handoff Ack successfully handled
{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa_handoff_ack base check is VALID
```

{mobilityd_R0-0}{1}: [mm-client] [18401]: (debug): MAC: Client_MAC aaa_handoff_ack is VALID
{mobilityd_R0-0}{1}: [mm-transition] [18401]: (info): MAC: Client_MAC MMFSM transition: S_MC_RUN -> S_M
{mobilityd_R0-0}{1}: [mm-client] [18401]: (info): MAC: Client_MAC Forwarding aaa_handoff_ack, sub type:

منحلال طاقات

"يجراخال منحلتل زاهج" هجلاعي ،نارتقا بلط ليمعلا لسري

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:18:59...	10.107.79.236	10.107.79.30	250	802.11		Association Request, SN=209, FN=0, Flags=....., SSID="DMZ_EWA"
Jan 14, 2025 16:18:59...	10.107.79.236	10.107.79.30	246	802.11		Association Request, SN=209, FN=0, Flags=....., SSID="DMZ_EWA"
Jan 14, 2025 16:18:59...	10.107.79.30	10.107.79.236	211	802.11		Association Response, SN=0, FN=0, Flags=.....
Jan 14, 2025 16:18:59...	10.107.79.30	10.107.79.236	215	802.11		Association Response, SN=0, FN=0, Flags=.....

يجراخ منح ءدوب ليمعلا نارتقا ءلحرم

ربع ءاسرالا ي ف منحلتل ءااءوو يجراخال منحلتل ءااءو ني ب لقننتلا لقن لئغشت مئي
رود مءءتساب لئغشتلا لىل ليمعلا ءلا لقتنت ،لقننتلا ءءء ءاا ن ء. UDP 16667 ءفنم
يجراخ ريءصت
ءءو لىل اءءىءو CAPWAP ق فن ربع ليمعلا DHCP رورم ءكء يجراخال منحلتل ءءو لىل
ءءلاعمل نم ءىزل مءسءرالا منح

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:19:01...	10.107.79.129,0.0.0.0	10.107.79.30,255.255...	424	DHCP	0	DHCP Discover - Transaction ID 0x9f36b979
Jan 14, 2025 16:19:01...	10.107.79.30	10.105.60.114	400	UDP		16667 -> 16667 Len=354
Jan 14, 2025 16:19:03...	10.105.60.114	10.107.79.30	400	UDP		16667 -> 16667 Len=354
Jan 14, 2025 16:19:03...	10.107.79.30,10.105.60.69	10.107.79.129,10.105...	416	DHCP	0	DHCP Offer - Transaction ID 0x9f36b979
Jan 14, 2025 16:19:03...	10.107.79.129,0.0.0.0	10.107.79.30,255.255...	452	DHCP	0	DHCP Request - Transaction ID 0x9f36b979
Jan 14, 2025 16:19:03...	10.107.79.30	10.105.60.114	428	UDP		16667 -> 16667 Len=382
Jan 14, 2025 16:19:03...	10.105.60.114	10.107.79.30	400	UDP		16667 -> 16667 Len=354
Jan 14, 2025 16:19:03...	10.107.79.30,10.105.60.69	10.107.79.129,10.105...	416	DHCP	0	DHCP ACK - Transaction ID 0x9f36b979

ي ف منحلتل ءءو لىل ءىبءءال منحلتل ءءو لىل اءىلقت مئي يئل ليمعلا ب ءصاا DHCP رورم ءكء هءءو ءءا مءء
لقننتلا ق فن مءءتساب ءاسرالا

بىولا ءءفص لىل لوصولا صءف رورم ءكءو ءكءبشلا لاصءا ءلا ليمعلا لسري ،لءملابو
CAPWAP ق فن ربع يجراخال (WLC) ءىللسالا ءىلءملا ءكءبشلا ي ف منحلتل رصنع لىل
منء زاهج لىسرمل ءىء ،ىكء ق فنل لمءءسى WLC طبرلا لىل اءء يجراخال WLC ل لسري
رورم ءكءلا ءلاعي و اءرءى

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, DNS IP	165	DNS	0	Standard query 0x389b Connectivity Check URL
Jan 14, 2025 16:19:05...	10.107.79.30	10.105.60.114	149	UDP		16667 -> 16667 Len=103
Jan 14, 2025 16:19:05...	10.105.60.114	10.107.79.30	291	UDP		16667 -> 16667 Len=245
Jan 14, 2025 16:19:05...	10.107.79.30, DNS IP	10.107.79.129,10.105.60.254	307	DNS	0	Standard query response 0x389b A Connectivity Check URL
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, Resolved IP	148	TCP	0	62437 -> 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 14, 2025 16:19:05...	10.107.79.30	10.105.60.114	124	UDP		16667 -> 16667 Len=78
Jan 14, 2025 16:19:05...	10.105.60.114	10.107.79.30	124	UDP		16667 -> 16667 Len=78
Jan 14, 2025 16:19:05...	10.107.79.30, Resolved IP	10.107.79.129,10.105.60.254	140	TCP	0	80 -> 62437 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, Resolved IP	136	TCP	0	62437 -> 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, Resolved IP	247	HTTP	0	GET /connecttest.txt HTTP/1.1
Jan 14, 2025 16:19:05...	10.105.60.114	10.107.79.30	112	UDP		16667 -> 16667 Len=66
Jan 14, 2025 16:19:05...	10.107.79.30, Resolved IP	10.107.79.129,10.105.60.254	128	TCP	0	80 -> 62437 [ACK] Seq=1 Ack=112 Win=64256 Len=0
Jan 14, 2025 16:19:05...	10.105.60.114	10.107.79.30	961	UDP		16667 -> 16667 Len=915
Jan 14, 2025 16:19:05...	10.107.79.30, Resolved IP	10.107.79.129,10.105.60.254	977	HTTP	0	HTTP/1.1 200 OK (text/html)
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, Resolved IP	112	TCP	0	62437 -> 80 [FIN, ACK] Seq=112 Ack=850 Win=130304 Len=0
Jan 14, 2025 16:19:05...	10.107.79.30	10.105.60.114	112	UDP		16667 -> 16667 Len=66
Jan 14, 2025 16:19:05...	10.105.60.114	10.107.79.30	112	UDP		16667 -> 16667 Len=66
Jan 14, 2025 16:19:05...	10.107.79.30, Resolved IP	10.107.79.129,10.105.60.254	128	TCP	0	80 -> 62437 [FIN, ACK] Seq=850 Ack=113 Win=64256 Len=0
Jan 14, 2025 16:19:05...	10.107.79.129,10.105.60.254	10.107.79.30, Resolved IP	136	TCP	0	62437 -> 80 [ACK] Seq=113 Ack=851 Win=130304 Len=0
Jan 14, 2025 16:19:05...	10.107.79.30	10.105.60.114	112	UDP		16667 -> 16667 Len=66

ءىجراخال منحلتل ءءوب ءكءبشلا لاصءا ءلا نم ققءلا

```

> Frame 794: 977 bytes on wire (7816 bits), 977 bytes captured (7816 bits)
> Ethernet II, Src: Cisco (08:00:0c:2c:5c:00), Dst: Cisco_ (08:00:0c:2c:5c:00)
> 802.1Q Virtual LAN, PRI: 0, DEI: 0, ID: 1415
> Internet Protocol Version 4, Src: 10.107.79.30, Dst: 10.107.79.129
> User Datagram Protocol, Src Port: 5247, Dst Port: 5264
> Control And Provisioning of Wireless Access Points - Data
> IEEE 802.11 QoS Data, Flags: .....F.
> Logical-Link Control
> Internet Protocol Version 4, Src: 10.107.79.30, Dst: 10.105.60.254
> Transmission Control Protocol, Src Port: 80, Dst Port: 62437, Seq: 1, Ack: 112, Len: 849
< Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    Location: https://10.106.32.130:8443/portal/PortalSetup.action?portal=d06bc251-f644-4fc3-b09f-dae9bd8a86
    Content-Type: text/html\r\n
  > Content-Length: 580\r\n
\r\n
[Request in frame: 788]
[Time since request: 0.000991000 seconds]
[Request URI: /connecttest.txt]
[Full request URI: ]
File Data: 580 bytes
> Line-based text data: text/html (9 lines)

```

لي عمل الى لسرمل URL هي جوت دواع

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	148	TCP	0	62448 → 8443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:11.	10.105.60.114	10.107.79.30	124	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:11.	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.254	140	TCP	1	8443 → 62448 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1254 SACK_PERM WS=128
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	136	TCP	0	62448 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	1386	TCP	0	62448 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 1180]
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	683	TLSv1.	0	Client Hello
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	659	UDP		16667 → 16667 Len=613
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	1342	UDP		16667 → 16667 Len=1296
Jan 14, 2025 16:19:11.	10.105.60.114	10.107.79.30	450	UDP		16667 → 16667 Len=404
Jan 14, 2025 16:19:11.	10.105.60.114	10.107.79.30	917	UDP		16667 → 16667 Len=871
Jan 14, 2025 16:19:11.	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.254	1378	TCP	0	8443 → 62448 [ACK] Seq=1 Ack=1798 Win=33280 Len=1250 [TCP PDU reassembled in 1192]
Jan 14, 2025 16:19:11.	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.254	933	TLSv1.	0	Server Hello, Certificate, Server Key Exchange, Server Hello Done
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	136	TCP	0	62448 → 8443 [ACK] Seq=1798 Ack=2056 Win=131072 Len=0
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	143	TLSv1.	0	Alert (Level: Fatal, Description: Certificate Unknown)
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	136	TCP	0	62448 → 8443 [FIN, ACK] Seq=1805 Ack=2056 Win=131072 Len=0
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	262	TLSv1.	0	Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:11.	10.105.60.114	10.107.79.30	118	UDP		16667 → 16667 Len=72
Jan 14, 2025 16:19:11.	10.105.60.114	10.107.79.30	157	UDP		16667 → 16667 Len=111
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	136	TCP	0	62449 → 8443 [ACK] Seq=1860 Ack=2107 Win=131072 Len=0
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	1143	TLSv1.	0	Application Data
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	1119	UDP		16667 → 16667 Len=1073
Jan 14, 2025 16:19:11.	10.107.79.30,10.106.32.130	10.107.79.129,10.105.60.254	1378	TCP	0	8443 → 62449 [ACK] Seq=8357 Ack=2867 Win=37120 Len=1250 [TCP PDU reassembled in 1267]
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	136	TCP	0	62449 → 8443 [ACK] Seq=2867 Ack=10564 Win=131072 Len=0
Jan 14, 2025 16:19:11.	10.107.79.129,10.105.60.254	10.107.79.30,10.106.32.130	1168	TLSv1.	0	Application Data
Jan 14, 2025 16:19:11.	10.107.79.30	10.105.60.114	1144	UDP		16667 → 16667 Len=1098

ق داصم ل ل ل ص ا ف ت ر ي ف و ت ل ة ي ج ر ا خ ا ل ب ي و ل ا ق د ا ص م ؤ ح ف ص ل ل ل ل م ع م ا ل ل و ص و

عاس ر ا ل ا م ك ح ت ة د ح و ن م ت ا ل ج س ل ا

ة ي ع ا ع ش ا ر ا ث آ

!! Mobility Handoff !!

```

{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received mobile_announce, sub type 0 of
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Received export_Anchor_req, sub type 0 of
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Number of client is BELOW wlan limit
{mobilityd_R0-0}{1} [mm-transition] [26021] (info) MAC Client-MAC MMFSM transition S_MC_INIT -> S_MC_An

```

!! Session Created for Client !!

{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_AS
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): [Client_MAC][0.0.0.0]Param-map used: global
{wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][0.0.0.0]Applying IPv4 i
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_CR
{wncd_x_R0-0}{1}: [mm-transition] [24229]: (info): MAC: Client_MAC MMIF FSM transition: S_MA_INIT -> S
□{wncd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Roam type changed - None -> L3 Requested
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Export Anchor Response successfully proc
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Forwarding Anchor Response to Foreign.
{mobilityd_R0-0}{1} [mm-client] [26021] (info) MAC Client-MAC Forwarding export_Anchor_rsp, sub type 0
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.
□{wncd_x_R0-0}{1} [mm-client] [24229] (info) MAC Client-MAC Mobility role changed - Unassoc -> Export A
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Client is AnchorED.>> Client is successf

!! Client DHCP Traffic !!

{wncd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_MOBILIT
{wncd_x_R0-0}{1} [client-orch-state] [24229] (note) MAC Client-MAC Client state transition S_CO_DPATH_P
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface mobility_a0000001 on vlan 31 Src MAC Client-MAC
{wncd_x_R0-0}{1} [sisf-packet] RX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wncd_x_R0-0}{1} [sisf-packet] TX DHCPv4 from interface Tw0/0/1 on vlan 31 Src MAC DHCP-Reply-Source-MA
{wncd_x_R0-0}{1} [client-iplearn] [24229] (note) MAC Client-MAC Client IP learn successful. Method DHCP
{mobilityd_R0-0}{1} [mm-client] [26021] (debug) MAC Client-MAC Sending ipv4_address_update of XID (XID)
{wncd_x_R0-0}{1} [client-iplearn] [24229] (info) MAC Client-MAC IP-learn state transition S_IPLEARN_IN_ Complete
{wncd_x_R0-0}{1}: [client-orch-sm] [24229]: (debug): MAC: Client_MAC Received ip learn response. method

!! External Web Authentication !!

{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_IP
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62441/235
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]GET rcv
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]HTTP GE
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Parse G
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Read co
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]State L
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]GET rcv
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]HTTP GE
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Parse G
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Read co
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]State L
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62440/233
{wncd_x_R0-0}{1}: [sisf-packet] [24229]: (info): RX: IPv6 DHCP from intf mobility_a0000001 on vlan 31 S
{wncd_x_R0-0}{1}: [sisf-packet] [24229]: (info): TX: IPv6 DHCP from intf mobility_a0000001 on vlan 31 S
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62480/238
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62481/239
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/238
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/238
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]GET rcv
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]HTTP GE

{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Parse G
{wncd_x_R0-0}{1}: [sadb-attr] [24229]: (info): Removing ipv6 addresses from the attr list -654303708,sm
 {wncd_x_R0-0}{1}: [caaa-authen] [24229]: (info): [CAAA:AUTHE:910007e3] NULL ATTR LIST
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]State L
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/238
{wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Send Access-Request to 10.106.32.130:1812 id 0/3, 1
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: authenticator
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Calling-Station-Id [31] 19 Client_MAC
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: User-Name [1] 9 Test321
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Vendor, Cisco [26] 49
{wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Cisco AVpair [1] 43 audit-session-id=723C690A000007
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Framed-IP-Address [8] 6 10.105.60.254
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Cisco AVpair [1] 12 vln-id=31
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: NAS-IP-Address [4] 6 10.105.60.114
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: NAS-Port-Type [61] 6 Virtual [5]
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: NAS-Port [5] 6 0
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Vendor, Cisco [26] 31
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Cisco AVpair [1] 25 cisco-wlan-ssid=DMZ_EWA
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Vendor, Cisco [26] 33
{wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Cisco AVpair [1] 27 wlan-profile-name=DMZ_EWA
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Called-Station-Id [30] 27 Called-Station-ID
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Vendor, Airespace [26] 12
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Airespace-WLAN-ID [1] 6 7
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Nas-Identifier [32] 12 DMZSiteWLC
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Started 5 sec timeout
{wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Received from id 1812/3 10.106.32.130:0, Access-Acc
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: authenticator
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: User-Name [1] 9 Test321
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Class [25] 56 ...
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Message-Authenticator[80] 18 ...
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Vendor, Cisco [26] 42
{wncd_x_R0-0}{1}: [radius] [24229]: (info): RADIUS: Cisco AVpair [1] 36 profile-name=Windows10-Workstat
 {wncd_x_R0-0}{1}: [radius] [24229]: (info): Valid Response Packet, Free the identifier
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]State A
{wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Unapply I
{wncd_x_R0-0}{1}: [webauth-ac1] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Unapply I
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : username 0 Test321
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : class 0 43 41 43 53 3a 37 32 33
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : Message-Authenticator 0 <hidden>
 {wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : method 0 1 [webauth]
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : clid-MAC-addr 0 d0 37 45 88 25 5
{wncd_x_R0-0}{1}: [aaa-attr-inf] [24229]: (info): Applying Attribute : intf-id 0 2684354561 (0xa0000001
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
{wncd_x_R0-0}{1}: [auth-mgr-feat_acct] [24229]: (info): [Client_MAC:mobility_a0000001] SM Notified attr
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Received User-Name Test321
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Method webauth changing st
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Context changing state fro
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] auth mgr attr add/change n
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Raised event AUTHZ_SUCCESS
{wncd_x_R0-0}{1}: [auth-mgr] [24229]: (info): [Client_MAC:mobility_a0000001] Context changing state fro
{wncd_x_R0-0}{1}: [webauth-sess] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-ma
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Param-m
{wncd_x_R0-0}{1}: [webauth-state] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]State A
{wncd_x_R0-0}{1}: [webauth-page] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]Sending V
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/238
{wncd_x_R0-0}{1}: [webauth-io] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/238
{wncd_x_R0-0}{1}: [webauth-httpd] [24229]: (info): mobility_a0000001[Client_MAC][10.105.60.254]62482/2
{wncd_x_R0-0}{1}: [client-auth] [24229]: (note): MAC: Client_MAC L3 Authentication Successful. ACL:[]

```
{wncd_x_R0-0}{1}: [client-auth] [24229]: (info): MAC: Client_MAC Client auth-interface state transition
{wncd_x_R0-0}{1}: [client-orch-state] [24229]: (note): MAC: Client_MAC Client state transition: S_CO_L3
{wncd_x_R0-0}{1}: [mm-transition] [24229]: (info): MAC: Client_MAC MMIF FSM transition: S_MA_ANCHOR -> S_MA
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC Received aaa_handoff, sub type: 0 of
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC aaa_handoff base check is VALID
{mobilityd_R0-0}{1}: [mm-transition] [26021]: (info): MAC: Client_MAC MMFSM transition: S_MC_RUN -> S_MC
{mobilityd_R0-0}{1}: [mm-client] [26021]: (info): MAC: Client_MAC Forwarding aaa_handoff, sub type: 0 of
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC Sending aaa_handoff of XID (38840) to
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC AAA Handoff successfully forwarded.
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC Received aaa_handoff_ack, sub type: 0 of
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC AAA Handoff Ack successfully handled
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC aaa_handoff_ack base check is VALID
{mobilityd_R0-0}{1}: [mm-client] [26021]: (debug): MAC: Client_MAC aaa_handoff_ack is VALID
{mobilityd_R0-0}{1}: [mm-transition] [26021]: (info): MAC: Client_MAC MMFSM transition: S_MC_ANCHOR_WAITING
```

مرحل طاق الت

ربع ي چراخ مكحت زاوجل نم DHCP رورم كرح ةاسرمل مكحت زاوجل ملتسي ، ةكرحل لقن دعب
ي كرح قفنل

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 15:59:04...	10.107.79.30	10.105.60.114	396	UDP		16667 → 16667 Len=354
Jan 14, 2025 15:59:04...	0.0.0.0	255.255.255.255	286	DHCP		DHCP Discover - Transaction ID 0x9f36b979
Jan 14, 2025 15:59:06...	10.105.60.69	10.105.60.254	286	DHCP		DHCP Offer - Transaction ID 0x9f36b979
Jan 14, 2025 15:59:06...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354
Jan 14, 2025 15:59:06...	10.107.79.30	10.105.60.114	424	UDP		16667 → 16667 Len=382
Jan 14, 2025 15:59:06...	0.0.0.0	255.255.255.255	286	DHCP		DHCP Request - Transaction ID 0x9f36b979
Jan 14, 2025 15:59:06...	10.105.60.69	10.105.60.254	286	DHCP		DHCP ACK - Transaction ID 0x9f36b979
Jan 14, 2025 15:59:06...	10.105.60.114	10.107.79.30	396	UDP		16667 → 16667 Len=354

ةيبنجأ مكحت ةدحو نم ةاسرمل مكحت ةدحو لىل لمع لل DHCP رورم كرح ي قلىل مت

، بيول ةحفص لىل لوصولو تابلطو ، لاصتال اصوصف ءاسرلال ي ف مكحتل ةدحو لى قلىلت
ربكأ لكشب ةجل اعملل ةقداصم لى صافاتو

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:19:06...	10.107.79.30	10.105.60.114	141	UDP		16667 → 16667 Len=95
Jan 14, 2025 16:19:06...	10.105.60.254	DNS IP	83	DNS		Standard query 0x389b Connectivity Check URL
Jan 14, 2025 16:19:06...	DNS IP	10.105.60.254	237	DNS		Standard query response 0x389b A Connectivity Check URL
Jan 14, 2025 16:19:06...	10.105.60.114	10.107.79.30	287	UDP		16667 → 16667 Len=245
Jan 14, 2025 16:19:06...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:06...	10.105.60.254	Resolved IP	70	TCP		62437 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 14, 2025 16:19:06...	Resolved IP	10.105.60.254	66	TCP		80 → 62437 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK_PERM WS=128
Jan 14, 2025 16:19:06...	10.105.60.114	10.107.79.30	120	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:06...	10.107.79.30	10.105.60.114	223	UDP		16667 → 16667 Len=177
Jan 14, 2025 16:19:06...	10.105.60.254	Resolved IP	58	TCP		62437 → 80 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 14, 2025 16:19:06...	Resolved IP	10.105.60.254	169	HTTP		GET /connecttest.txt HTTP/1.1
Jan 14, 2025 16:19:06...	Resolved IP	10.105.60.254	903	HTTP		HTTP/1.1 200 OK (text/html)
Jan 14, 2025 16:19:06...	10.105.60.114	10.107.79.30	957	UDP		16667 → 16667 Len=915
Jan 14, 2025 16:19:06...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:06...	10.105.60.254	Resolved IP	58	TCP		62437 → 80 [FIN, ACK] Seq=112 Ack=850 Win=130304 Len=0
Jan 14, 2025 16:19:06...	Resolved IP	10.105.60.254	54	TCP		80 → 62437 [FIN, ACK] Seq=850 Ack=113 Win=64256 Len=0
Jan 14, 2025 16:19:06...	10.105.60.114	10.107.79.30	108	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:06...	10.105.60.254	Resolved IP	58	TCP		62437 → 80 [ACK] Seq=113 Ack=851 Win=130304 Len=0

ءاسرلال ي ف مكحتل ةدحو لىل ةكبشلال لاصتال ةلاح نم ققحتل

```

> Frame 426: 903 bytes on wire (7224 bits), 903 bytes captured (7224 bits)
> Ethernet II, Src: [REDACTED], Dst: [REDACTED]
> Internet Protocol Version 4, Src: [REDACTED], Dst: 10.105.60.254
> Transmission Control Protocol, Src Port: 80, Dst Port: 62437, Seq: 1, Ack: 112, Len: 849
> Hypertext Transfer Protocol
  > HTTP/1.1 200 OK\r\n
    Location: https://10.106.32.130:8443/portal/PortalSetup.action?portal=d06bc251-f644-4fc3-b09f-dae9bd8a86
    Content-Type: text/html\r\n
    Content-Length: 580\r\n
  \r\n
  [Request in frame: 423]
  [Time since request: 0.000000000 seconds]
  [Request URI: /connecttest.txt]
  [Full request URI: [REDACTED]]
  File Data: 580 bytes
  > Line-based text data: text/html (9 lines)

```

ليعمل الى لسر URL هيجوت عداغ

هذه دامت عال تانايب نم ققحتل متي. ةباوبال ربع ققداصم الم دامت عال تانايب ليعمل لسري
مداخ لالخ نم وأ (WLC) ةيكللساللة ةيلحمال ةكبشال ي ف مكحتل رصنع ىل ع ايلحم ام
هنيوكت مت يذل نامأل جهنل اق فوكلدو، يجراخ ققداصم

UTC Arrival Time	Source Address	Destination Address	Length	Protocol	TID	Info
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	124	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	66	TCP		62448 → 8443 [SYN] Seq=0 Win=64240 Len=0 MSS=1250 WS=256 SACK_PERM
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	70	TCP		8443 → 62448 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1254 SACK_PERM WS=128
Jan 14, 2025 16:19:12...	10.105.60.114	10.107.79.30	120	UDP		16667 → 16667 Len=78
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	54	TCP		62448 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=0
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	659	UDP		16667 → 16667 Len=613
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	1342	UDP		16667 → 16667 Len=1296
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	1304	TCP		62449 → 8443 [ACK] Seq=1 Ack=1 Win=131072 Len=1250 [TCP PDU reassembled in 717]
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	537	TLSv1..		Client Hello
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	1308	TCP		8443 → 62449 [ACK] Seq=1 Ack=1734 Win=34688 Len=1250 [TCP PDU reassembled in 724]
Jan 14, 2025 16:19:12...	10.107.79.30	10.107.79.30	446	UDP		16667 → 16667 Len=404
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	863	TLSv1..		Server Hello, Certificate, Server Key Exchange, Server Hello Done
Jan 14, 2025 16:19:12...	10.107.79.30	10.107.79.30	913	UDP		16667 → 16667 Len=871
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	54	TCP		62449 → 8443 [ACK] Seq=1734 Ack=2056 Win=131072 Len=0
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	180	TLSv1..		Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	64	TLSv1..		Change Cipher Spec
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	103	TLSv1..		Encrypted Handshake Message
Jan 14, 2025 16:19:12...	10.105.60.114	10.107.79.30	114	UDP		16667 → 16667 Len=72
Jan 14, 2025 16:19:12...	10.105.60.114	10.107.79.30	153	UDP		16667 → 16667 Len=111
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	54	TCP		62449 → 8443 [ACK] Seq=1860 Ack=2107 Win=131072 Len=0
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	112	UDP		16667 → 16667 Len=66
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	1119	UDP		16667 → 16667 Len=1073
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	1061	TLSv1..		Application Data
Jan 14, 2025 16:19:12...	10.106.32.130	10.105.60.254	1015	TLSv1..		Application Data
Jan 14, 2025 16:19:12...	10.105.60.114	10.107.79.30	962	UDP		16667 → 16667 Len=920
Jan 14, 2025 16:19:12...	10.107.79.30	10.105.60.114	1144	UDP		16667 → 16667 Len=1098
Jan 14, 2025 16:19:12...	10.105.60.254	10.106.32.130	1086	TLSv1..		Application Data
Jan 14, 2025 16:19:25...	10.105.60.114	10.106.32.130	460	RADIUS		Access-Request id=3
Jan 14, 2025 16:19:25...	10.105.60.114	10.106.32.130	460	RADIUS		Access-Request id=3, Duplicate Request
Jan 14, 2025 16:19:25...	10.106.32.130	10.105.60.114	191	RADIUS		Access-Accept id=3
Jan 14, 2025 16:19:25...	10.106.32.130	10.105.60.114	187	RADIUS		Access-Accept id=3, Duplicate Response

ققداصم الم ليصافت ريفوتل ةيجراخال بيول ةقداصم ةحفص الى ليعمل لوصو

ءاسرال مكحت ةدحوو ةيجراخال مكحتل ةدحو نم لك ىل ع ليعمل ةلح

Monitoring > Wireless > Clients

Clients Sleeping Clients Excluded Clients

> Delete

Selected 0 out of 1 Clients

☐	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
☐	[REDACTED]	10.105.60.254	fe80::877c:b748:ddc:4fc0	[REDACTED]	1	DMZ_EWA	14	WLAN	Run	11ac		N/A	Export Foreign	No

1 - 1 of 1 clients

ةيجراخ ةهج ىلع ةليمعل ةلودلا

Monitoring > Wireless > Clients

Clients Sleeping Clients Excluded Clients

Delete

Selected 0 out of 1 Clients

	Client MAC Address	IPv4 Address	IPv6 Address	AP Name	Slot ID	SSID	WLAN ID	Client Type	State	Protocol	User Name	Device Type	Role	6E Capable
		10.105.60.254	fe80::877c:b748:ddc:4fc0		0	DMZ_EWA	7	WLAN	Run	N/A	Test321	N/A	Export Anchor	No

1 - 1 of 1 clients

تيتثتال دنع ليمعل ةلاح

Client	
360 View	GeneralQOS StatisticsATF StatisticsMobility History
Client Properties	AP PropertiesSecurity InformationClient Statistics
Max Client Protocol Capability	802.11ac Wave 2
Wi-Fi to Cellular Steering	Not implemented
Cellular Capability	N/A
Regular ASR support	DISABLED
Mobility	
Anchor IP Address	10.105.60.114
Point of Presence	0xA0000003
AuthC Status	True
Move Count	0
Role	Export Foreign
Roam Type	L3 Requested

جراخال في ليمعل صئاصخ

Client

360 View

General

QOS Statistics

ATF Statistics

Mobility History

Client Properties

AP Properties

Security Information

Client Statistics

FlexConnect Authentication

N/A

Number of Tx Total Dropped Packets

0

Client Scan Report Time

Timer not running

Wi-Fi to Cellular Steering

Not implemented

Cellular Capability

N/A

Regular ASR support

DISABLED

Mobility

Foreign IP Address

10.107.79.30

Point of Presence

0

Move Count

1

Role

Export Anchor

Roam Type

L3 Requested

ةاسرمللا ىلع لىمعللا صئاصخ

ةددعتم ءاسرلا مكحت ةدحو نيب لىمحتلا ةنزاوم

رورم ةكرح عيزوت نإف ،ةدحاو WLAN ةكبش ىلع مكحت ةدحو نم رثكأ نييني عت متي ام دنع
هئادتبلاا :ةيولوا تايوتسم ةثالث نيوكت نكمي .ةيولوالا ىلع دمتعي تانايبلا
لمحلل عيزوتل ةيلآ فيضلا ءاسرلا ةيولوا ةزيم رفوت .هثلاثلا وهى وناثلاو
ةيولوا نييني عت لال خ نم كلذ قيقحت متي و .ءاسرلا مكحت تادحو نيب يطايتحال/طشنلا
ةيولوالا تاذ مكحتلا ةدحو ىلع لىمحتلا عيزوت متي :ءاسرلا في مكحت ةدحو لكل ةتبات
ةميق سفن في كرتشت يتلا مكحتلا تادحو نيب يرودل بيترتللا عضو في و ،ايلا
ةيولوالا

General Access Policies QoS and AVC **Mobility** Advanced

Export Anchor ☐

Static IP Mobility ☐ DISABLED

Drag and Drop/double click/click on the arrow to add/remove Anchors

Selected (1)

Anchor IP	Anchor IP	Anchor Priority
No anchors available	 10.105.60.114	Tertiary (3) 

نبي عتلة اسرم ةيولوا

مكحت دحو نيي عت ءانثأ ءثلثال ءيولوال نيوكت متي ،يضارت فا لكشب :ءظالم
ءيچراخال مكحتال دحو لىع ءاسرال

يَجْرُخُ الْإِسْرَافَ وَيُرَانِي فِي أَحْصَاءِ لِيْمَعَالٍ لَأَصْطَا عَاطِخًا فَاشْكُتْ سَأْ

1. عالم معلا مض لكاشم

أَتَادِحُووِ عِيَّجْرَاخَالْ مَكْحِتَالْ تَادَحُو نِيْب لِقَنْتَالْ قَفْنُ أَمْ قَقْحَتْ :قَفْنَالْ ةَلَا ح
اَطَشْنَ لِظِيْءِ اسْرَالِ يَفْ مَكْحِتَالْ

ii. مكدحتال يتدحوالك نيب نيوكتال لثامت نامض: نيوكتال قباط مدع تاداعإل وأ ةسايسال فيرعت تافل مامسأ، WLAN مامسأ في تاضقانتال مدع اعاطخأ إىل NAC-lead و IPv4 DHCP تابلطتم، AAA زواجت لثم -ممدقتمال عاسترالاضفر وأ فيرعتال فلم قباط

iii. جهنم نإف ، نيوكت ةلكشم يأ نودب ليغشتلا ديكت Tunnel ناك اذا : كلذ ريغ نمضت يتلا ةيداعلا ليمعلا لاصتا ةلكشم لثامي اهحلاصو اعاطخأل افاشكتسأ . ةرثأتمل رورملا ةكرح عم لماعتت يتلا ةينعمل مكحتلا ةدحو نم ققحتلا

2. عطلتكم لاصتا عيناكم

أقفخي، مكحتل يتدحو نبب Keepalive مزح لوصو لشف ةلاح يفو: قفنل ةفرفر
SSID ب لاصتا يل ع ظافحل نم ليمعل عنمي امم، قفنل
ii. (MTU) لقنلل يصقأل دحل ةدحو راسم ضفخنا اذ: ضفخنم يددت قاطن ضرع
عادأل طاطحنال ءالمعل ضرعتيسف، (576) لقأ ةمقي ل لقننل رئاظن نبب
نم لك نبب MTU راسملل keepalive لئاسر لئاسر دقف متي ام دنع ةداع اذه ثدحي
لقننلل لباقل رئاظنل



لقننل ةيلباق لقأل MAC ناو نع بحاص مكحتل زاهج موقى: ةظحال
راسملل keepalive لئاسر ةيسايقلل keepalive لئاسر نم لك ةئيهتب
MTU.

3. بيول عقوم لى لوصولاب ةصاخال لكاشم

أل قننل ةعومجم تافرعم لقننل ءانثأ تانايبال رورم ةكرح سوؤر نمضتت
ذفانم ربع ةلدابتمال CAPWAP ل ةرفشمال DTLS مزحو IP نىوانعو MAC نىوانعو
دوجومال CAPWAP سأل لى ةماعال تافورصمال هذه فيضت. 16666 و 16667 UDP
زواجت اذ، لوصول ةطقنل اهنىوكت متي تال TCP MSS طبض دعب، TCP رورم ةكرحل
ةدايزل هذه ببسب (تياب 1385 يصقأل دحل) لقننلل PMTU ةمزال مچح
ةطساوب ماع لكشب ةئزجتال ةجالعم متت امنيب. ةئزجتال ثدحي، ةيفاضل
هذه رثؤت. رخأتم تقوي ف وأ بيترتال چراخ مزحل تلصو اذ لكاشم ثدحت، ةكبشل
تانايبال لوصو لشف تالاح لك لذ نع جتنتو ةمزال عي مجت ةداع لى طورشل
ةنعم بيو عاومل

ءاسرال مكحت ةدحوو بىبنجال نم ةعومجمال لجس

1. عي مچل ينمز عجرم هل نوكل حل طصم لل EXEC ةبلاطم لى بنمزل عباطل نىكمتب مق
رم أوأل.
2. نىوكتال ةعجارمل !! show tech-support wireless رمأل مدختسأ
3. !! show wireless mobility summary لقننل قفن ةلاح نم ققحتل كنكمي
4. لىمعل تانايبو طابترال ةلاح نمضتي يذل لقننل ءانثأ رئاظنل تايئاصحال رهظت
لقننل رئاظنل (IP) تترنل لوكوتورب رمتسمال لاصتال ظفح تايئاصحال واثأل
<IP> لىكلسال
5. لىمعلل MAC ناو نعو لقننل رئاظنل IP/MAC ناو نعل عشمال عبتتال نىكمت

رعب (CLI) رماوأل رطس ةهجاو

انل حيتي !! {ناو ن} {monitor-time} {x.x.x.x | aaa.bbbb.cccc} {ip | MAC} debug wireless
. اموي 24 لىل لصت ةدمل عبتتال نىكمت تقول طبض

حىحصت لىطعتل !! {x.x.x.x | aaa.bbbb.cccc} {ip | MAC} لىكلسال ءاطخأ حىحصت دجوي ال
ءاطخأ

عبتت فلم نم ققحتل رما وه، Client_info عم ءاطخأ عبتت فلم ءاشناب WLC موقت



يذل ءاطخأل حيصت يوتسم ليحست يطرشال ءاطخأل حيصت حيتي: ريذحت ليغشتلا اذه كرت يدوي. اهؤاشنإ مت يتال تالجسل مجح ةدايز إلى هرودب يدوي يصوي، كلذل. تالجسل ضرع اهلالخ كنكمي يتال ةينمزلا ةرتفال ليلقت إلى اءالصال ءاطخأل فاشكتسا ةسلج ةياهن يف امئاد ءاطخأل حيصت ليطعتب

6: ةيلاتال رماوالا ليغشتب مق، ءاطخأل حيصت لك ليطعتل

!! لكال ياساسال ماظنال طرش حسم #

!! لكال ءاطخأل حيصت ءاغل #
: ةيموسرلا مدختسملا ةهجاو رب

عشملا عبتتال > اءالصال ءاطخأل فاشكتسا إلى لقتنا 1. ةوطخال

ليعملل MAC ناووع وأ لقنتال ريظنل MAC/IP ناووع لخدأو ةفاضل قوف رقنا 2. ةوطخال
اءالصال ءاطخأل فاشكتسا ديرت يذل

ءدب درجمب. ءدب قوف رقنا، عشملا عبتتال ءدبل ادعتسم نوكت امدنع 3. ةوطخال
يوتسم ةجالعم يأ لوح صرقلا إلى ءاطخأل حيصت ليحست ةباتك مت، ليغشتال
اهبقعت مت يتال MAC نيوانعب ةقلعتم مكحت

قوف رقنا، اءالصال ءاطخأل فاشكتسا ديرت يتال ةلكشملا راركت دنع 4. ةوطخال
فاقيا

تالجسل لك عمجي لجس فلم ءاشنإ كنكمي، حيصت مت MAC ناووع لك 5. ةوطخال
ءاشنإ قوف رقنلاب كلذ MAC ناووعب ةقلعتمال

قيبطت قوف رقناو عمجملا لجسل فلم اهلي لبهذي نا ديرت يتال ةدملا رتخأ 6. ةوطخال
زاهجال إلى

مسا راوجب دوجوملا ريغصلا زمرلا قوف رقنلاب فلملا ليزنت نألا كنكمي 7. ةوطخال
ءحوب صاخلا (ةتقؤملا ةركاذلا) Boot Flash صارقأ كرحم يف دوجوم فلملا اذه. فلملا
(رماوالا رطس ةهجاو) CLI لالخ نم عبرملا نم هخسن اضيا كنكمي ومكحتال

7. جمدم طاقتال

: ربع (CLI) رماوالا رطس ةهجاو

!! حضاو MYCAP ةشاشال طاقتال

!! امهالك MYCAP Po1 ةهجاو ةشاشال طاقتال

!! 100 ةشاشال طاقتال تاقؤملا MYCAP نزخم مجح

نيب رورم ةكرح قفن ةيكرح عبتتتي نا!! !! لوصولا ةمئاق مسا ةقباطم MYCAP طاقتال بردم
(WLC)

!! any/ipv4/ipv6.MAC قباطت MYCAP ةشاشال طاقتال

!! MYCAP ةشاشال طاقتال ءدب

جاتنإل ةداع!!

MYCAP ةشاشال طاقتال فقوت

flash:|tftp:|http:.../filename.pcap ريذحت MYCAP ل ةشاشال طاقتال

ةيموسرلا مدختسملا ةهجاو رب ع

1. ةوطخل Add. > ةمزحل طاقتل > اهال صاواطخال فاشكتسا ىلإ لقتنا .
2. ةوطخل فرحأ 8 ىصقأ دحب حومسم . ةمزحل طاقتل مسا دح .
3. ةوطخل تدجونا ، ةيفصتلا لماع دح .
4. ةوطخل رورم ةكرح ىرت نأ دېرت تنك اذا مكحتلا تانايب رورم ةكرح ةبقارمل ع برمل دح .
5. ةوطخل تانايبلا ىوتسم ي ف ىرخأ ةرم ةنقحم و ماظنلل ةيزكرمل ةجلالعمل ةدحو ىل ع ةبوقثم .
6. ةوطخل 100 ىصقأ دحب حمسي . تقوؤملا نزخمل مچج دىحت .
7. ةوطخل مزحل ددع بسح وأ ةيئات 1-100000 نم قاطنب حمست يتلا ةدملا بسح اما ، دحل دح .
8. ةوطخل ةبغرلا بسح ، ةمزح 1-100000 نم قاطنب حمست يتلا .
9. ةوطخل دومعلا ىلإ هلقل مهسلل دحو رسيألا دومعلا ي ف تاهجاو ةمئاق نم ةهجاو رتخأ .
10. ةوطخل نيمألا .
11. ةوطخل زاهجلا ىل ع قيبطتو ظفح قوف رقنا .
12. ةوطخل عذب دح ، طاقتلال ادبل .
13. ةوطخل دح ، ايوذي طاقتلال فاقىل . ددحمل دحل ىلإ طاقتلال لىغشتب حامسل كنكمي .
14. ةوطخل فاقىل .
15. ةوطخل راىخل قوف رقنلاب ارفوتم "ريدصت" رزلا حبصي ، لىغشتلا فاقىل درجمب .
16. ةوطخل FTP مداخل وأ TFTP مداخل ربع يلحمل بكتمل حطس ىل ع (pcap) . طاقتلال فلم لىزننل (flash) . ةتقوؤملا ةركاذلا وأ يلحمل ماظنلل تباثلا صرقلا وأ

ةلص تاذا تاملعم

[Catalyst 9800 WLCs ىل ع لقننلا تااطخم نيوكت](#)

[Catalyst 9800 ىل ع WLAN ءاسرلا لقنن ةزيم نيوكت](#)

[Cisco Systems - نادنتسمل اوينقتلا معدلا](#)

ةمچرتل هذه ل و ح

ةل آل ا ت ا ي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م چ ر ت
م ل ا ع ل ا ا ح ن ا ع ي م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل آل ا ة م چ ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م م چ ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م چ ر ت ل ا ع م ل ا ح ل ا و ه
ي ل ا م ا ة ا د ع و ج ر ل ا ب ي ص و ت و ت ا م چ ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems
(ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا