ىلع (RLAN) ةديعبلا LAN ةكبش نيوكت Catalyst 9124 لوصولا ةطقن

تايوتحملا

المحقول الباحمين المحقول المحتول المحت المحتول المحتول المحتول المحتول المحتول المحتول المحتول المحت

ةمدقملا

جذومن 9124 ةزافح ةدام ap ىلع (RLAN) ةكبش ةقطنم ديعب لكشي نأ فيك ةقيثو اذه فصي 580 جذومن WLC لمعتسي

ةيساسألا تابلطتملا

تابلطتملا

تويلاتا عيضاوملاب تفرعم لحيدل نوكت نأب Cisco يصوت

- 9800 WLC
- لوصولا طاقنو ةيكلساللا مكحتلا تادجو ىلإ (CLI) رماوألا رطس ةهجاو لوصو.

ةمدختسملا تانوكملا

ةيلاتلا ةيداملا تانوكملاو جماربلا تارادصإ ىلإ دنتسملا اذه يف ةدراولا تامولعملا دنتست

- Catalyst 9800-L WLC، رادصإلاا 17.09.05
- C9124 sery AP

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجألاا نم دنتسملا اذه يف ةدراولا تامولعملا ءاشنإ مت. تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا ةزهجألاا عيمج تأدب رمأ يأل لمتحملا ريثأتلل كمەف نم دكأتف ،ليغشتلا ديق كتكبش.

ةيڧلخلا

ةدحو مادختساب نييكلسلا العالمعلا ةقداصمل (RLAN) ةديعبلا LAN ةكبش مادختسا متي المحمد المحتين المعن المعن المحرف المحمو المحري المحرب المحري المعلي المامض المحرب المحرب المحتل عم لماعتلا متي .ةيل حمل الما قين كرمل الي وحتل العاضوا نيب تانايبل المرم قكرح لي وحت ىلع المحرب المحري .يكل المال الي مع رورم قكرح الهن الما علي ميكل المال المعل المحرب المحرم المحرب المحري .يكل المحرب المح محرب المحرب المحرب

ج<u>مانرب نيوكت ليل د</u> ةرايز ىجري ،RLAN ةكبش لوح اليصفت رثكأ تامولعم ىلع لوصحلل <u>جمانرب نيوكت ليل م</u>اللا مك<u>حتلا ةدجو</u>

نم رثكأ ىلع يوتحت يتلا لوصولا طاقن يف (RLAN) ةيكلساللا ةيلحملا ةكبشلا معد متي نايعدي تنرثيإ يذفنم ىلع 9124 زارطلا يوتحيو دحاو تنرثيإ ذفنم قروصلا يف يلاوتلا ىلع 3 و 2 اهنأ ىلع اهفينصت متي يتلاو ،(LAN1) ةيلحملا ةكبشلاو:



تنرثيإ ذفنم 9124

ميجرا<u>خلا لوصولا ةطقنل ةزهجألا تيبثت ليل</u>د ةءارق ىجري زامجلا ليصافت لماك <u>Cisco ميجراخلا لوصول</u>ا م<u>اك Catalyst 9124AX Series</u> .

نيوكتلا

ةكبشلا يف مكحتلا ةدحوب لعفلاب ةلصتم لوصولا ةطقن نأ دنتسملا اذه ضرتفي (WLC). قيكلساللا ةيلحملا

يف مكحتلا رصنع ىلا AP 9124 لوصولا ةطقن ىل مامضنالا لوح تاداشرا ىل قجاحب تنك اذا <u>تادحو ىل ع قكبش نيوكت</u> :ليلدلا اذه ةءارق ىجريف ،(WLC) ةيكلساللا قيلحملا قكبشلا . لوصولاً ةطقن معدت RLAN تنأ جاتحي نإ .Flex Mode عضوو يلحملاً عضولاً نم لك ىلع RLAN لوصولاً ةطقن معدت بولسأ RLAN لا تلكشو نرم تنك يغبني بولسأ ap لا ،ايلحم تلوح نوكي نأ رورم ةكرح كلذل اقفو

لجست لوصولاا ةطقن نإف ،Flex+Bridge عضوك لوصولاا ةطقن طبضب تمق اذإ :ةظحالم ان يكمت عيطتسي ال RLAN_CFG: enable_lan_port نيكمت عيطتسي ال LAN[0]: ClickPort 66: الثم ةل اتقكبشلا يلع ةموعدم ريغ.

ةكبشلل يطيطختلا مسرلا



ططخملا

تانيوكتلا

AAA نيوكت

1. كمزلي كلذل ،MAC ةيفصت يه RLAN ةكبشل نامألاا ةقيرط نوكت ،دنتسملا اذه يف ىل عايلحم وأ لدان AAA ديعب يف ناونع mac لا ىقلتي عيطتسي تنأ .اقبسم AAA نيوكت لا WLC.

،تاددحم يأ نودب ليمعلل MAC ناونع ةفاضإ .ةيلحملا WLC تانايب ةدعاق مادختسإ متي انه زاهجلا ةقداصم ةمئاق ىلإ RLAN ب لصتي نأ عقوتملا نمو:

Cisco Cata	alyst 9800-L Wireless Controller		Welco	ome admin 🛛 😭 🐔 🕻	1 8 ¢ (0	C Sear
Q. Search Menu Items Dashboard Omega Monitoring	Configuration* > Security* > AAA + AAA Wizard Servers / Groups AAA Method Lis	A st AAA Advanced					
Configuration > Configuration	Global Config RADIUS Fallback Attribute List Name Device Authentication AP Policy Parsward Policy	MAC Address Serial Number	18e43bee53af None v 2		do do tio	0	Lupload
	Password Policy	Description WLAN Profile Name Cancel	RLAN Client	Apply to Device	h		

2. نيعي انه .ةيلحملا تانايبلا ةدعاق مادختسال ضيوفتلا بولسأ نيوكتب مق RLAN_macF:

Cisco Cata	alyst 9800-L Wireless Controller				Welco	ome admin 🛛 🕷 🔒	Search APs and Clients Q	Feedback 💒 🕪
Q Search Menu Items	Configuration * > Security * > AAA					Quick Setup: AAA Author	rization	×
Dashboard	+ AAA Wizard					Method List Name*	RLAN_macF	
Monitoring	Authentication		anced			Group Type		
	Authorization	+ Add	× Delete			Authenticated Available Server Groups	Assigned Server Groups	
¿Of Administration	Accounting	Name	T	Туре	Group Type	radus		
C Licensing		default		network	local	Idap		~
e		sc-clien	t	network	local	radius_ise	K	~
X Troubleshooting		Autho_K	тс	network	group		2	V
		RLAN_m	hacF	network	local	< └────	v K v	¥
		•						

AAA ضيوفت بولسأ

RLAN نيوكت

ةديعبلا LAN ةكبش < يكلسال < نيوكتلا ىلإ لقتنا ، RLAN فيرعت فلم ءاشنإ لجأ نم .1 ةروصلا هذه يف حضوم وه امك ،RLANProfile ل RLAN فرعمو فيرعتلا فلم مسا لخدأو.

Cisco Catal	lyst 9800-L Wireless Controller	Welcome admin	To A B O O O Search APs and Cleris Q Efeodback 2* 🚱
Q. Search Menu Items	Configuration * > Tags & Profiles * > Remote LAN	Edit RLAN Profile	×
Dashboard	RLAN Profile RLAN Policy	General Security	
Monitoring	+ Add X Delete Cone Enable RLAN Profile Disable R	AN Profile RLAN ID*	9124RLANPtof
Configuration	Selected RLAN Profiles : 0	Status	ENABLED
(Administration >	Status Y Name Image: Status 9124RLANProf 9124RLANProf	Client Association Limit	0
C Licensing	8 d 1 k 8 10	mDNS Mode	Bridging v
X Troubleshooting			
		Cancel	C Update & Apply to Device

ماع RLAN فيرعت فلم

لقتنا. MAC ةيفصت يه ةمدختسملا نيمأتلا ةقيرط ،لاثملا اذه يف .نامألا ىلإ لقتنا. 2 حضوم وه امك ،MAC ةيفصتل ضيوفتلا ةقيرط ددحو لطعم ىلإ 802.1x كرتاو ،2 ةقبطلا ىلإ .ةروصلا هذه يف



RLAN نامأ

3. ةكبش ةسايس ءاشنإب مق 3. يف حضوم وه امك ،RLAN جەن بيوبتلا ةمالع قوف رقنا ،ةديعبلا LAN قكبش ةحفص ىلعو قرف رقنا ،ةديعبلا AN قكبش ةحفص ىلعو.

Cisco Cata	alyst 9800-L Wireless Controller		Welcome admit		Search APs and Clients	Q Seedback 2 M
Q Search Menu Items	Configuration * > Tags & Profiles * > Remote LAN		Edit RLAN Policy			×
Dathboard	RLAN Profile RLAN Policy		General Access Policies	Advanced		
Monitoring >	+ Add X Delete		🛦 Cor	infiguring in enabled state will result in loss of c	onnectivity for clients associated w	ith this policy.
S Configuration	Name	Y Status	Policy Name*	9124RLANPolicy	RLAN Switching Policy	
S configuration >	9124RLANPolicy	<			in the second second	
(O) Administration	N 4 1 1 10 ¥		Description	Enter Description	Central Switching	ENABLED
C Licensing			Status	ENABLED	Central DHCP	ENABLED
× C -			PoE	0		
X Troubleshooting			Power Level	4		

RLAN ةسايس

ةكبشلا يف مكحتلا رصنع يف ايزكرم تانايبلا رورم ةكرح ليدبت متي ،دادعإلا اذه يف (WLC). قيكلساللا قيلحملا

.تادادعإلاا تقبطو فيضملا عضوو VLAN ةكبش تلكشو لوصولاا تاسايس ىلإ لقتنا.

Cisco Cata	lyst 9800-L Wireless Controller		Welcome admin	***	Contract APs and Clients Q
O Search Menu Items	Configuration * > Tags & Profiles * > Remote LAN		Edit RLAN Policy		×
	RLAN Profile RLAN Policy		General Access Policies Ac	dvanced	
Dashboard	LAM V Dates Dictore		Pre-Authentication	0	Host Mode singlehost 👻
Monitoring >	+ voor X neere		VLAN	VLAN0100 +	
N) contempor	Name	▼ Status		Clear	
S Configuration >	9124RLANPolicy	<	Remote LAN ACL		
O Administration	H 4 1 F H 10 Y		IPv4 ACL	Not Configured 🚽 🖉	
C Licensing			IPv6 ACL	Not Configured 👻 💈	

RLAN ةكبش ةسايس يلإ لوصولا تاسايس

5. ىلإ لقتنا RLAN. ةسايس ىلإ RLAN فيرعت فلم نييعتو جەن ةمالع ءاشنإب مق تامالعلا < فيرعتلا تافلمو تامالعلا < نيوكتلا.

Edit Policy Tag					×
Name*	9124RLANPolTag				
Description	Enter Description				
V WLAN-POLICY	Maps: 0				
+ Add × Delet	e				
WLAN Profile		Ŧ	Policy Profile		T
₩ 4 0 ► ₩	10 🔻			Ν	lo items to display
RLAN-POLICY + Add × Delet Port ID	Maps: 1	PLAN Profile	•	PLAN Policy Profile	
	Ţ	0124PLANDrof	Ţ	RLAN POlicy Profile	T
H 4 1 ⊨ H	10 🔻	3124REANFIO		5124REANFORCY	1 - 1 of 1 items
Map RLAN and Polic	У				
RLAN Profile*	9124RLANProf	▼ 2 ×	RLAN Policy Profile*	9124RLANPolicy	▼ 2

جەنلا ةمالع

6. ةكبش ذفنم نيكمتو لوصولا ةطقن ىلع ةسايسلا ةمالع قيبطت انيلع بجي لوصولا ةطقن ىلع رقناو لوصولا طاقن < يكلسال < نيوكت ىلإ لقتنا.

Cisco Cata	lyst 9800-L Wireless Con	troller					Welcome admin	* * & B & B	Search APs and Clien	s Q SFeedback 2* (•
O. Search Menu Items	Configuration * > Wireless *	> Access Points					Edit AP				×
							General Interfaces	High Availability Invento	ry ICap Advanced	Support Bundle	â
Dashboard	 All Access Points 						General		Tags		
Monitoring ,	Total APs : 1						AD Nama*	AP9124 01	Doliny	91248LANPolTad	
				Admin 1			AF NUME	PO-9124_01	Policy	Search or Select	
	AP Name	AP Model	Slots	: Status	Up Time 🚦 IP A	Address	Location*	WGB_LAB_Test	Site	9124RLANPolTag	
Administration	AP9124_01 🔥 🕍	C9124AXI-B	2	۲	0 days 1 hrs 26 mins 30 secs 192.	2.168.100.	Base Radio MAC	4ca6.4d23.aee0	RF	default-policy-tag	
C Licensing	4						Ethernet MAC	3c57.31c5.ac2c	Write Tag Config to AP	PLG_SC_POLICY	
9	ta a t i ba te	10 -								DI TET	

لوصولا ةطقن نيوكت ىلع جەنلا ةمالع

ةيلحملا ةكبشلا يف مكحتلا رصنع ىلإ لوصولا ةطقن مامضنا ةداعإو دادعإلا قيبطتب مق يف LAN ةكبش ذفنم نيكمتو تاهجاولا ددح مث ،لوصولا ةطقن ىلع رقنا .(WLC) ةيكلساللا

.LAN ةكبش ذفنم تادادعإ

Interfaces High Availability Inventory ICap Advanced Support Bundle Ethernet Interfaces Voperation Status Speed Rx Packets Tx Packets Discarded Packets Y SigebitEthernet0 0 1000 Mbps 22065 12905 0 3 Auto 0 0 0 0 0 0 0 Auto 10 Auto 11682 156 0 1-3 of 3 items Radio Interfaces Band Status Operation Spectrum Operation Regulatory Y Stot Interface Band Status Operation Spectrum Operation Regulatory Y Boot Interface Band Status Status Operation Spectrum Operation Poperation P	dit AP													
Ethernet Interfaces Interface Operation Status Speed Rx Packets Tx Packets Discarded Packets T SigabitEthermet0 1000 Mbps 22065 12905 0 0 0 0 Auto 0 0 0 0 0 0 0 Auto 11682 156 0 1 -3 of 3 items Radio Interfaces Stot Treface Band Admin Operation Spectrum Operation Regulatory To No Interface Band Status Spectrum Operation Spectrum Operation Spectrum Operation Spectrum Operation Spectrum Operation Spectrum Operation Status Doperation Doperation Toperation Status Doperation Status <td>ieneral</td> <td>Interfa</td> <td>ces H</td> <td>igh Availa</td> <td>bility Ir</td> <td>iventory</td> <td>ICa</td> <td>ар</td> <td>Advanced</td> <td>S</td> <td>upport</td> <td>Bundle</td> <td></td> <td></td>	ieneral	Interfa	ces H	igh Availa	bility Ir	iventory	ICa	ар	Advanced	S	upport	Bundle		
Interface V Operation Status Speed V Rx Packets V Tx Packets V Discarded Packets V GigabitEthernet0 0 1000 Mbps 22065 12905 0 0 0 0 Auto 0 0 0 0 0 0 0 0 AN1 O Auto 11682 156 0 1 - 3 of 3 items Radio Interfaces Radio Interfaces Status Y Operation Spectrum Spectrum Admin Status Spectrum Status Regulatory Domain Y No 802.11ax - 2.4 GHz All Enabled Enabled - A - A 1 802.11ax - 5 GHz All Enabled - B - I - 2 of 2 items Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) Pot ID V Status VLAN ID VA PoE Power Level RLAN PoE Pre-Standard Switch Disabled Disabled II II II II <thii< th=""> <thiii< th=""> III <thiii< th=""></thiii<></thiii<></thii<>	Ethernet	Interface	s											
SigabitEthemet0 0 1000 Mbps 22065 12905 0 SigabitEthemet1 Auto 0 0 0 AN1 Auto 11682 156 0 AN1 Auto 11682 156 0 M 1 M 10 1 - 3 of 3 items Radio Interfaces Slot ▼ Interface ▼ Band ▼ Status Y Operation Spectrum Operation Status Spectrum Operation Status Regulatory ▼ 0 802.11ax - 2.4 GHz All Enabled C Enabled -A 0 802.11ax - 5 GHz All Enabled C Enabled -A 1 802.11ax - 5 GHz All Enabled C -A 1 10 - 1 - 2 of 2 items 1 - 2 of 2 items Power Over Ethernet Settings LAN Port Settings Power (25.5 W) Pose Power Level RLAN Power (25.5 W) Disabled I I I I I I I I I I </td <td>Interface</td> <td>T</td> <td>Operation</td> <td>Status</td> <td>Speed</td> <td>T Rx I</td> <td>Packets</td> <td>T</td> <td>Tx Packets</td> <td>T</td> <td>Discare</td> <td>ded Packets</td> <td>T</td> <td></td>	Interface	T	Operation	Status	Speed	T Rx I	Packets	T	Tx Packets	T	Discare	ded Packets	T	
SigabitEthement1 O O O O AN1 O Auto 11682 156 O AN1 O I 1682 156 O Image: Auto Image: Auto <td>GigabitEthe</td> <td>ernet0</td> <td>G</td> <td>)</td> <td>1000 Mbps</td> <td>220</td> <td>65</td> <td></td> <td>12905</td> <td></td> <td>0</td> <td></td> <td></td> <td></td>	GigabitEthe	ernet0	G)	1000 Mbps	220	65		12905		0			
AN1 O Auto 11682 156 0 I - 3 of 3 items Radio Interfaces Slot Y Interface Y Band Y Status Operation Spectrum Operation Domain 0 802.11ax - 2.4 GHz All Enabled O Enabled O - A 1 802.11ax - 5 GHz All Enabled O Enabled O - B I - 2 of 2 items Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) PoE Pre-Standard Disabled PoE Pre-Standard Disabled PoE Power Injector MAC Address	GigabitEthe	ernet1	C		Auto	0			0		0			
Image: Store of the sector of the	LAN1		C		Auto	116	82		156		0			
Radio Interfaces Slot ▼ Interface ▼ Band ▼ Status Operation Spectrum Operation Spectrum Operation Status Operation Status Operation Status Spectrum Operation Status Spectrum Operation Status Spectrum Operation Status Operation Status Operation Status Spectrum Operation Status Spectrum Operation Status Operation Status Operation Status Operation Status Import Operation Status Operation Status Import Opera	н н	1 🕨	▶ 10) 🔻								1 - 3 of 3 i	tems	
Radio Interfaces Slot ▼ Interface ▼ Band ▼ Admin ▼ Operation Spectrum Operation Spectrum Operation Status Spectrum Operation Spectrum Operation Status Regulatory ▼ Domain 0 802.11ax - 2.4 GHz All Enabled Enabled -A 0 802.11ax - 5 GHz All Enabled Enabled -A 1 802.11ax - 5 GHz All Enabled Enabled -A 4 1 I IO I - 2 of 2 items Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) Port ID ▼ Status VLAN ID ▼ PoE Power Level RLAN PoE Power Injector MAC Address Disabled I > II II II II														
Slot Interface Interface Band Admin Operation Spectrum Operation Regulatory T 0 802.11ax - 2.4 GHz All Enabled Enabled -A 1 802.11ax - 5 GHz All Enabled Enabled -A 802.11ax - 5 GHz All Enabled Enabled -A 1 1 10 I 1 - 2 of 2 items Power Type/Mode PoE Pre-Standard Disabled	Radio Int	terfaces												
Slot Interface Image: Solution of the status Admin Y Operation Status Spectrum Admin Status Y Operation Status Regulatory Domain 0 802.11ax - 2.4 GHz All Enabled Enabled Enabled -A 1 802.11ax - 5 GHz All Enabled Enabled -A 1 N 10 - 1 - 2 of 2 items Power Type/Mode PoE Pre-Standard Switch Disabled Disabled PoE Power Injector MAC Address														
b 802.11ax - 2.4 GHz All Enabled Enabled -A 1 802.11ax - 5 GHz All Enabled Enabled -B I 1 I I0 I - 2 of 2 items Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) PoE Pre-Standard Switch Disabled PoE Power Injector PoE Power Injector Disabled	Slot Y No	Interface	Ŧ	Band 🎙	Admin Status	▼ Op Sta	eration Itus	Spec Admi	trum Y n Status	Spect Opera Status	rum ation	Regulatory Domain	T	
N 802.11ax - 5 GHz All Enabled Enabled -B I I IO I -2 of 2 items Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) Port ID Y Status VLAN ID Y PoE Power Level RLAN PoE Pre-Standard Switch Disabled I I IO NA V V PoE Power Injector MAC Address Disabled ISABLE ISABLE ISABLE ISABLE	0	802.11ax	- 2.4 GHz	All	Enabled		0	Enabl	ed		0	-A		
Image: Non-Standard Switch PoE Power Injector MAC Address 1 Image: Non-Standard Mac Address	1	802.11ax	- 5 GHz	All	Enabled		0	Enabl	ed		0	-B		
Power Over Ethernet Settings Power Type/Mode PoE/Medium Power (25.5 W) PoE Pre-Standard Switch Disabled PoE Power Injector MAC Address Disabled	н. ч.	1 ▶	▶ 10	•								1 - 2 of 2 i	tems	
Power Type/Mode PoE/Medium Power (25.5 W) PoE Pre-Standard Switch Disabled PoE Power Injector MAC Address Disabled	Power O	ver Ether	net Setting	js		1	LAN Po	ort Set	tings					
PoE Pre-Standard Disabled Disa	Power Ty	pe/Mode		PoE/	Medium		Port ID	Y Sta	atus VLAN	ID Y	PoE	Power Level	RLA	N
PoE Pre-Standard Disabled Switch Image: Switch PoE Power Injector Disabled MAC Address Disabled				POWE	er (20.0 VV)		LAN1		100			NA 👻	0	
PoE Power Injector Disabled MAC Address	PoE Pre- Switch	Standard		Disat	bled	l	н ч	1	► H	10 🗸		1-1	of 1 item	S
	PoE Powe MAC Add	er Injector Iress		Disat	bled									

AP LAN1 ذفنم تادادعإ

.رضخألاا نوللا ضرعت RLAN ةكبش نأ نم دكأت .ةلاحلا نم ققحتلاو تادادعإلاا قيبطتب مق

FlexConnect ل يلحملا ليوحتلل RLAN ةكبش

تن جاتحي نإ RLAN تنك يغبني بولسأ ap لا ،ايلحم تلوح نوكي نأ رورم ةكرح RLAN تن جاتحي نإ لا RLAN profile كالذل اقفو.

لجست لوصولا ةطقن نإف ،Flex+Bridge عضوك لوصولا ةطقن طبضب تمق اذإ :ةظحالم ريغ ةزيملا :RLAN_CFG: enable_lan_port نكمي نأ نكمي ال Ian[0]: ClickPort 66: ريغ ةزيملا. تموعدم".

نأ تنمض .عقوملا ةمالع ىلع ەقيبطت متيس يذلا Flex فيرعت فلم نيوكت لالخ نم أدبا .1 لا ىلإ (تاكبش) VLAN حيحص نوبزلا تعفدو حيحص يعيبط يلهأ VLAN لا لكشي



نرملا فيرعتلا فلم نيوكت

2. عقوملا نيكمت رايخلا ليطعت كمزلي ،FlexConnect عضو ىلٍ 9124 لوصولاا ةطقن رييغتل فلم ددح .Flex صيصخت فلم ديدحت رايخ رهظي ،كلذ دعب .عقوملا ةمالع نيوكت يف "يلحملا فيرعت :

Cisco Cata	yst 9800-L Wireless Controller	Welcome admin 🛛 🕸 🌾 🛕 🖺 🄅 🔞 🕢 🛠 Search Alts and Clerets 🔍 🗍 🕿 Feedback 🖍 🕪
Q. Search Menu Items	Configuration * > Tags & Profiles * > Tags	Edit Site Tag *
Dashboard	Policy Site RF AP	Changing Site type may result in rejoin of APs that are associated to this Site Tag
Monitoring >	+ Add X Delete Cione Reset APs	Namo* Mesh_AP_Tag
Configuration	Site Tag Name	Description Enter Description
Administration	Mesh_AP_Tag LWA_testSteTag	AP Join Profile Mesh_AP_Join_P 2
	default-site-tag	Flex Profile 9124FlexProfile
C Licensing	H 4 1 F H 10 V	Fabric Control Plane Name
X Troubleshooting		Enable Local Site
		Load" ()

عقوملا ةمالع ةطساوب يلحملا عقوملا ليطعت

لجسي مكحتلل ةيفرط ةدحو ap لا ،ةادأ ىلع قيبطتو ثيدحت ىلع تنأ رقني نإ ام:

```
[*08/29/2024 08:25:13.2976] Previous AP mode is 0, change to 2
[*08/29/2024 08:25:13.3213] DOT11_CFG[0] Radio Mode is changed from Local to FlexConnect
[*08/29/2024 08:25:13.3219] DOT11_DRV[0]: Stop Radio0 - Begin
[*08/29/2024 08:25:13.3237] wlan: [0:I:CNW_MLME] mlme_ext_vap_down: VAP (mon0) is down
[*08/29/2024 08:25:13.3262] DOT11_DRV[0]: Stop Radio0 - End
[*08/29/2024 08:25:13.3263] DOT11_CFG[0]: Starting radio 0
[*08/29/2024 08:25:13.3268] DOT11_DRV[0]: Start Radio0 - Begin
[*08/29/2024 08:25:13.3434] DOT11_DRV[0]: Start Radio0 - End
[*08/29/2024 08:25:13.3522] wlan: [0:I:CMN_MLME] mlme_ext_vap_up: VAP (mon0) is up
[*08/29/2024 08:25:13.3756] DOT11_CFG[1] Radio Mode is changed from Local to FlexConnect
[*08/29/2024 08:25:13.3920] DOT11_DRV[1]: Stop Radio1 - Begin
[*08/29/2024 08:25:13.3940] wlan: [0:I:CNW_MLME] mlme_ext_vap_down: VAP (mon1) is down
[*08/29/2024 08:25:13.3963] DOT11_DRV[1]: Stop Radio1 - End
[*08/29/2024 08:25:13.3964] DOT11_CFG[1]: Starting radio 1
[*08/29/2024 08:25:13.3969] DOT11_DRV[1]: Start Radio1 - Begin
[*08/29/2024 08:25:13.3980] DOT11_DRV[1]: Start Radio1 - End
[*08/29/2024 08:25:13.4143] wlan: [0:I:CMW_MLME] mlme_ext_vap_up: VAP (mon1) is up
```

Flex ىلإ يلحملا نم لوصولا ةطقن عضو رييغت

:AP عضوك Flex لوصولا ةطقن رەظت نآلاو

Cisco Cisco Cata	alyst 9800-L Wirel	ess Cont	roller						Welcome admin	* *	A	8	• 10 0	C Search	APs and Clients	Q	Feedback	2.0
Q. Search Menu Items	Configuration * > 1	Wireless *	> Access Point	nts														
Dashboard	✓ All Access I	Points																
Monitoring	Total APs : 1											Tag : (Count	Misconfigured APs try Code : 0	LSC Fallback	:0	Select an Action	•
Configuration	AP Name	:	AP Model		Slots	Admin Status	Up Time	IP Address	Base Radio MAC	Etherne	R MAC	÷	AP Mode	Power Derate Capable	: Operation Status	on i	Configuration : Status	Countr Miscor
Administration	AP9124_01	4.14	C9124AXI-B		2	۲	0 days 0 hrs 17 mins 53 secs	192.168.100.11	4ca6.4d23.aee0	3c57.3	1c5.ac2c		Flex	No	Register	ed	Healthy	No
C Licensing	<	н	10 🔹													1	- 1 of 1 access point	s O
G Transhlaphopting																		

ةطقن موقت ال ،نرملا عضولا ىلإ يلحملا عضولا نم لوصولا ةطقن لقن دنع :ةظحالم نإف ،يلحملا عضولا ىل Flex عضولا نم لقتنن امدنعف ،كلذ عمو ،ليمحتلا ةداعإب لوصولا ليمحت ةداعإب موقت لوصولا قطقن.

Cisco Cata	lyst 9800-L Wireless Controller		Welcome admin		Search APs and Client	Q
Q. Search Menu Items	Configuration * > Tags & Profiles * > Remote LAN		Edit RLAN Policy			×
Dashboard	RLAN Profile RLAN Policy		General Access Policies A	Advanced		
Monitoring	+ Add X Delete		🛦 Conf	figuring in enabled state will result in loss of	connectivity for clients associated v	vith this policy.
Configuration	Name	▼ Status	Policy Name*	9124RLANPolicy	RLAN Switching Policy	
	9124RLANPolicy				,	
O Administration	H 4 1 5 H 10 V		Description	Enter Description	Central Switching	DISABLED
C Licensing			Status		Central DHCP	DISABLED
			PoE	0		
Contraction of the second seco			Power Level	4		

RLAN ةسايسل يلحملا ليوحتلا

ةحصلا نم ققحتلا

يزكرم ليدبت

ىلع لصحيو MAB ربع ةقداصملاب رتويبمكلا موقي .ap لا نم ءانيم LAN1 لا يف pc تطبر ناونع VLAN ت يت VLAN تكبش نم IP اناونع.

ليمعلا ةلاح نم ققحتلل ءالمع < يكلسال< ةبقارم ىلإ لقتنا.

Cisco Cat	alyst 9800-L Wireless Controller	Welcome admin 🗌 🏟 🕫 🛕 🖺 🏟 🔞 🕢 🛠 Search APs and Cleris 🔍 🖉 Feedback 🖍
Q. Search Menu Items	Monitoring * > Wireless * > Clients	Client
_	Clients Sleeping Clients Excluded Clients	360 View General QOS Statistics ATF Statistics Mobility History Call Statistics
Dashboard		Client Properties AP Properties Security Information Client Statistics QOS Properties EoGRE
Monitoring	× Decre 2	MAC Address f8e4.3bee.53af
ې Configuration	Selected 0 out of 1 Clients	Client MAC Type Universally Administered Address Client DUID NA
	Client MAC Address Y IPv4 Address Y IPv6 Address AP Name Y SSIE	IPV4 Address 192.168.100.12
KOS Administration	□ f8e4.3bee.53af	IPV6 Address fe80::eb29:ff28:2e76:8d52 User Name f8e43bee53af
C Licensing	19 4 1 F H 10 •	Policy Profile 9124RLANPolicy
X Troubleshooting		Flex Profile N/A Remote LAN Id 1
		Remote LAN Name 9124RLANProf
		Wireless LAN Network Name (SSID) 9124RLANProf
		BSSID 4ca6.4d23.aee0
		Uptime(sec) 9 seconds
		Port ID 1 Mile state timeout N/A
		Rule state uniegue integra

ليمعلا ليصافت

```
ليصافتو ذفنملا ةلاح رييغت ضرع كنكمي ،لوصولا ةطقن (CLI) رماواً رطس ةهجاو نم
ليمعلا
```

AP9124_01#debug client F8:E4:3B:EE:53:AF AP9124_01#debug rlan critical Enable RLAN critical level debugging errors Enable RLAN error level debugging events Enable RLAN event level debugging info Enable RLAN info level debugging

AP9124_01#show wired clients Total wired clients: 1 mac port state local_client detect_ago associated_ago tx_pkts tx_bytes rx_pkts rx_bytes F8:E4:3B:EE:53:AF 2 ASSOCIATED No 12 12 9 1074 337 55639

AP9124_01#debug rlan info AP9124_01#debug rlan eve AP9124 01#debug client F8:E4:3B:EE:53:AF AP9124 01#[*08/29/2024 08:51:12.7861] chatter: wiredif mapper :: WiredIfMapper - Invalid Port 2 State 1 [*08/29/2024 08:51:12.7861] chatter: Device wired2 notify state change link UP [*08/29/2024 08:51:13.3611] RLAN EVENT-RlanPortControl: LAN-Port[0] UP Event [*08/29/2024 08:51:16.8306] RLAN_EVENT-RlanPortControl: LAN-Port[0] Detect client F8:E4:38:EE:53:AF [*08/29/2024 08:51:16.8307] RLAN_EVENT-RlanPortControl: LAN-Port[0] send_assoc for client F8:E4:3B:EE:53:AF [*08/29/2024 08:51:16.8308] CLSM[F8:E4:38:EE:53:AF]: US Assoc Req(0) IF 5 slot 16 port_id 0 vap_id 0 Len 52 client state UNASSOC [*08/29/2024 08:51:16.8309] CLSM[F8:E4:3B:EE:53:AF]: client moved from UNASSOC to ASSOC [*08/29/2024 08:51:16.8341] CLSM[F8:E4:3B:EE:53:AF]: DS Assoc Resp(10) IF 87 slot 16 vap 0 state ASSOC [*08/29/2024 08:51:16.8372] CLSM[F8:E4:3B:EE:53:AF]: Added to ClientIPTable on wired2 [*08/29/2024 08:51:16.8375] RLAN_CFG: rlan_add_client client F8:E4:38:EE:53:AF, port 0 vlan: 0 [*08/29/2024 08:51:16.8377] CLSM[F8:E4:3B:EE:53:AF]: Add RLAN client succeeded in vap 0 [*08/29/2024 08:51:16.8378] CLSM[F8:E4:3B:EE:53:AF]: client moved from ASSOC to FWD [*08/29/2024 08:51:16.8379] CLSM[F8:E4:38:EE:53:AF]: Added to WCP client table AID 0 Radio 16 Vap 0 [*08/29/2024 08:51:16.8381] CLSM[F8:E4:38:EE:53:AF]: Decoding TLV_CLIENTCAPABILITYPAYLOAD: capbaility: 0 Apple Client: No 0000 0000000 0000000 0000000 0000000 [*08/29/2024 08:51:19.6631] chatter: ethertype_cll: 1724921479.663102627: arp who-has 169.254.233.120 tell 0.0.0.0 [*08/29/2024 08:51:20.6609] chatter: ethertype_cll: 1724921480.660846272: arp who-has 169.254.233.120 tell 0.0.0.0 [*08/29/2024 08:51:21.1727] chatter: dhcp_from_inet: 1724921481.172667939: 0.0.0.0.68 > 255.255.255.255.255.67: udp 309 [*08/29/2024 08:51:21.1746] chatter: dhcp_reply_nonat: 1724921481.174640751: 192.168.101.1.67 > 192.168.101.11.68: udp 308 [*08/29/2024 08:51:21.2150] chatter: ethertype_cl1: 1724921481.215028303: arp who-has 192.168.101.1 tell 192.168.101.11 [*08/29/2024 08:51:21.5063] chatter: ethertype_cll: 1724921481.506300855: arp who-has 192.168.101.1 tell 192.168.101.11 [*08/29/2024 08:51:21.6544] chatter: ethertype_cl1: 1724921481.654387730: arp who-has 192.168.101.11 tell 0.0.0.0 [*08/29/2024 08:51:22.6518] chatter: ethertype_cl1: 1724921482.651782313: arp who-has 192.168.101.11 tell 0.0.0.0 0000 0000000 0000000 0000000 0000000 [*08/29/2024 08:51:23.6552] chatter: ethertype_cll: 1724921483.655126375: arp who-has 192.168.101.11 tell 0.0.0.0 [*08/29/2024 08:51:24.6645] chatter: ethertype_cl1: 1724921484.664425489: arp who-has 192.168.101.11 tell 192.168.101.11

Flex-Connect ةينقت ربع يلحملا ليوحتلا

AP9124 01#[*08/28/2024 14:16:30.7138] chatter: wiredif mapper :: WiredIfMapper - Invalid Port 2 State 1 [*08/28/2024 14:16:30.7138] chatter: Device wired2 notify state change link UP [*08/28/2024 14:16:30.9659] RLAN_EVENT-RlanPortControl: LAN-Port[0] UP Event [*08/28/2024 14:16:33.2574] RLAN_EVENT-RlanPortControl: LAN-Port[0] Detect client F8:E4:3B:EE:53:AF [*08/28/2024 14:16:33.2574] RLAN_EVENT-RlanPortControl: LAN-Port[0] send_assoc for client F8:E4:3B:EE:53:AF [*08/28/2024 14:16:33.2576] CLSM[F8:E4:3B:EE:53:AF]: US Assoc Req(0) IF 5 slot 16 port_id 0 vap_id 0 Len 52 client state UNASSOC [*08/28/2024 14:16:33.2576] CLSM[F8:E4:3B:EE:53:AF]: client moved from UNASSOC to ASSOC [*08/28/2024 14:16:33.2619] CLSM[F8:E4:3B:EE:53:AF]: DS Assoc Resp(10) IF 87 slot 16 vap 0 state ASSOC [*08/28/2024 14:16:33.2654] CLSMFF8:E4:3B:EE:53:AF]: Added to ClientIPTable on wired2 [*08/28/2024 14:16:33.2657] RLAN CFG: rlan add client client F8:E4:3B:EE:53:AF, port 0 vlan: 101 [*08/28/2024 14:16:33.2659] CLSM[F8:E4:3B:EE:53:AF]: Add RLAN client succeeded in vap 0 [*08/28/2024 14:16:33.2660] CLSM[F8:E4:3B:EE:53:AF]: client moved from ASSOC to FWD [*08/28/2024 14:16:33.2661] CLSM[F8:E4:3B:EE:53:AF]: Added to WCP client table AID 0 Radio 16 Vap 0 [*08/28/2024 14:16:33.2664] CLSM[F8:E4:3B:EE:53:AF]: ADD_CENTRAL_AUTH_INFO_MOBILE Payload [*08/28/2024 14:16:33.2667] CLSM[F8:E4:3B:EE:53:AF]: TLV FLEX CENTRAL AUTH STA PAYLOAD [*08/28/2024 14:16:33.2669] CLSM[F8:E4:3B:EE:53:AF]: Decoding TLV_CLIENTCAPABILITYPAYLOAD: capbaility: 0 Apple Client: No 00000000 0000000 0000000 00000000 [*08/28/2024 14:16:35.7577] chatter: dhcp_req_local_sw_nonat: 1724854595.757647899: 0.0.0.0.68 > 255.255.255.255.67: udp 345 [*08/28/2024 14:16:35.7618] chatter: dhcp_from_inet: 1724854595.761843211: 192.168.101.1.67 > 192.168.101.11.68: udp 308 [*08/28/2024 14:16:35.7619] chatter: dhcp_reply_nonat: 1724854595.761843211: 192.168.101.1.67 > 192.168.101.11.68: udp 308 [*08/28/2024 14:16:35.7834] chatter: ethertype_cll: 1724854595.783373680: arp who-has 192.168.101.1 tell 192.168.101.11 [*08/28/2024 14:16:35.7844] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:16:36.0169] chatter: ethertype_cll: 1724854596.016884669: arp who-has 192.168.101.11 tell 0.0.0.0 [*08/28/2024 14:16:36.0537] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:16:37.0143] chatter: ethertype_cl1: 1724854597.014276961: arp who-has 169.254.233.120 tell 0.0.0.0 [*08/28/2024 14:16:38.0098] chatter: ethertype_cl1: 1724854598.009745033: arp who-has 169.254.233.120 tell 0.0.0.0 [*08/28/2024 14:16:39.0159] chatter: ethertype_cll: 1724854599.015890970: arp who-has 169.254.233.120 tell 0.0.0.0 [*08/28/2024 14:16:41.0055] chatter: ethertype_cll: 1724854601.005426230: arp who-has 192.168.101.11 tell 192.168.101.11 [*08/28/2024 14:16:44.5998] chatter: ethertype_cl1: 1724854604.599751802: arp who-has 192.168.101.1 tell 192.168.101.11 [*08/28/2024 14:16:44.6010] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:16:50.5117] chatter: ethertype_cll: 1724854610.511644351: arp who-has 192.168.101.1 (64:8F:3E:D5:E5:C1) tell 192.168.101.11 [*08/28/2024 14:16:50.5129] chatter: fromdevs arp resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:16:56.0159] chatter: ethertype_cll: 1724854616.015864610: arp who-has 192.168.101.1 (64:8F:3E:D5:E5:C1) tell 192.168.101.11 [*08/28/2024 14:16:56.0181] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:17:01.5107] chatter: ethertype_cll: 1724854621.510631795: arp who-has 192.168.101.1 (64:8F:3E:D5:E5:C1) tell 192.168.101.11 [*08/28/2024 14:17:01.5118] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:17:07.5075] chatter: ethertype_cll: 1724854627.507420491: arp who-has 192.168.101.1 (64:8F:3E:D5:E5:C1) tell 192.168.101.11 [*08/28/2024 14:17:07.5086] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:17:11.3535] chatter: ethertype_cll: 1724854631.353461218: arp who-has 192.168.101.1 tell 192.168.101.11 [*08/28/2024 14:17:11.3550] chatter: fromdevs_arp_resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1 [*08/28/2024 14:17:16.0084] chatter: ethertype cl1: 1724854636.008371529: arp who-has 192.168.101.1 (64:8F:3E:D5:E5:C1) tell 192.168.101.11 [*08/28/2024 14:17:16.0098] chatter: fromdevs arp resp: arp reply 192.168.101.1 is-at 64:8F:3E:D5:E5:C1

ةلوحملا ةيلحملا RLAN ةكبش ءاطخأ حيحصت

ةمجرتاا مذه لوح

تمجرت Cisco تايان تايانق تال نم قعومجم مادختساب دنتسمل اذه Cisco تمجرت ملاعل العامي عيمج يف نيم دختسمل لمعد يوتحم ميدقت لقيرشبل و امك ققيقد نوكت نل قيل قمجرت لضفاً نأ قظعالم يجرُي .قصاخل امهتغلب Cisco ياخت .فرتحم مجرتم اممدقي يتل القيفارت عال قمجرت اعم ل احل اوه يل إ أم اد عوجرل اب يصوُتو تامجرت الاذة ققد نع اهتي لوئسم Systems الما يا إ أم الا عنه يل الان الانتيام الال الانتيال الانت الما