ىلع دحاو SSID Wireless BYOD نيوكت ISE و Windows

تايوتحملا

<u>ةمدقملا</u> <u>قيساسألا تابلطتملا</u> <u>تابلطتملا</u> <u>ةمدختسملا تانوكملا</u> <u>قىرظن</u> <u>نىوكتلا</u> <u>ISE نيوكت</u> <u>(WLC) ةېكلساللا LAN قكېش ېف مٌكحتارا قددو نېوكت</u> <u>قحصالا نم ققحتاا</u> <u>ةقداصما قفدت نم ققحتاا</u> <u>يب ةصاخلاً ةزهجألاً قباوب نم ق.ق.حتلاً</u> <u>اهحالصاو ءاطخألا فاشكتسا</u> <u>ةماع تامولعم</u> <u>لمعالا لجس ليالحت</u> ISE <u>تالجس</u> <u>(spw تالجس) ليمعلا تالجس</u>

ەمدقملا

ىلع كب صاخلا زاەجلا راضحإ نيوكت ةيفيك دنتسملا اذه فصي Cisco Identity Services ىلع كب صاخلا زاەجل Single-SSID و Engine د SIDL و Single-SSID نم لك مادختساب

ةيساسألا تابلطتملا

تابلطتملا

:ةيلاتا عيضاوملاب ةفرعم كيدل نوكت نأب Cisco يصوت

- نامدخ كرحم نيوكت Cisco (ISE)، رادصإلاا، ، 3.0
- Cisco WLC نيوكت
- لمعلا ديق (BYOD) كب صاخلا زاهجلا راضحإ •

ةمدختسملا تانوكملا

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

Cisco نم 3.0 رادصإلا SE

- Windows 10 ليغشتلا ماظن •
- WLC و AP

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

ةيرظن

لوصولاا حنم دعب اميفو ةزهجألا باحطصال طقف دحاو SSID BYOD مادختسا متي ،دحاو SSID BYOD يف مدختسمل مسا مادختساب SSID ب مدختسمل لصتي ،الوأ .قلجسمل اقزهجألا ىل ل لماكل هيجوت قداع متي ،ISE ىلع حاجنب اهيلع ققداصمل ادرجمبو .(MSCHAPv2) رورمل قملكو ليزنتب يئاهنلا ليمعل موقي ،زاهجل ليجست عارج درجمب .BYOD لخدم ىل مدختسمل ليزنتيو يئاهنلا ليمعل موقي ،زاهجل ليجست عارج درجمب .NSA لخدم ىل مدختسمل ليزنتيو يئاهنلا ليمعل موقي ،زاهجل متي متي .ISE نم (NSA) يلصألا بل اطل دعاسم ليوزنتيو يئاهنلا ليمعل موقي ،زاهجل متي متي .ISE نم (NSA) يلصأل العام ليوزنتيو يئاهنلا ليمعل موقي ،زاهجل متي بثت متي .ISE نم (NSA) يلصأل العام ليومعا موقيو قيكل سالل العامل نيوكتب NSA موقي .ISE نم قداهشل و فيرعتا افلم قداه شل ا مادختس اب SID سفن لي يرخأ ققداصمب قياهنلا اقطقن موقت .قداه شل ا تيب ثتب نم ققحتيو ليمعل انم ديدجل الطل انم ISE ققحتي .ISE مادختس اب الي ولي عن الي المال الي ن نم ققحتي و ليمعل ان مديدجل الطل ال

Windows BYOD ل ةدرفملا SSID تاوطخ

- ةيلوألا EAP-MSCHAPv2 ةقداصم
- BYOD لخدم ىلإ ەيجوتلا ةداعإ •
- ةزەجألا ليجست •
- NSA ليزنت •
- فيرعتلا فلم ليزنت •
- ةداەشلا ليزنت •
- EAP-TLS ةقداصم •

نيوكتلا

ISE نيوكت

.كرتشملا حاتفملاو RADIUS نيوكتو ISE ىلع ةكبش زامج ةفاضإ .1 ةوطخلا

.ةكبشلا زاهج ةفاضإ < ةكبشلا ةزهجاً < ةرادإ < ISE ىلإ لقتنا

مادختسإ ىلع بلاقلا يوتحي نأ بجي .BYOD يمدختسمل ةداهش بلاق ءاشناب مق .2 ةوطخلا مادختسإ كنكمي .نسحملا ليمعلا ةقداصم حاتفم EAP_CERTIFICATE يضارتفالا

■ Cisco ISE	Administration · System									
Deployment Licensing	Certificates Logging	Maintenance Upgrade Health Checks Backup & Restore Admin Access Settings								
	Edit Certificate Template									
Certificate Management	* Name	BYOD_Certificate_template								
Certificate Authority \checkmark										
Overview	Description									
Issued Certificates	Subject									
Certificate Authority Certifica	Common Name (CN)	SUserNameS 🕕								
Internal CA Settings	Organizational Unit (OU)	tac								
Certificate Templates										
External CA Settings	Organization (O)	cisco								
	City (L)	bangalore								
	State (ST)	Karnataka								
	Country (C)	IN								
	Subject Alternative Name (SAN)	Image: MAC Address V								
	Кеу Туре	RSA V								
	Key Size	2048 ~								
	* SCEP RA Profile	ISE Internal CA								
	Valid Period	3652 Day(s) (Valid Range 1 = 3652)								
	Extended Key Usage	Client Authentication Server Authentication								

يكلسال فيصوتل يعيبط ببسم فيرعت فلم ءاشنإب مق .3 ةوطخلا

فيرعت فلم رتخاو ةفاضإ ىلع رقنا .ليمعلا دادمإ < BYOD < لمعلا زكارم < ISE ىلإ لقتنا ةلدسنملا ةمئاقلا نم (NSP) يلصألا بلاطلا.

ددح .دحاو SSID BYOD ب موقت نأ لبق كلاصتإ مسا سفن وه SSID مسا نوكي نأ بجي انه كنكمي وأ ةقباسلا ةوطخلا يف هؤاشنإ مت امك ةداهشلا بلاق رتخأ TLS. ك لوكوتوربلا مادختسإ

يف .كتابلطتمل اقفو زاهجلاو مدختسملا ةقداصم وأ مدختسم ددح ،ةيرايتخالا تادادعإلا تحت يضارتفاك ىرخألا تادادعإلا كرتأ .مدختسم ةقداصمك اهنيوكت متي ،لاثملا اذه.

E Cisco ISE			Work Centers · BYOD				A Evaluation Me	ode 46 Days
Overview Identities	Identity Groups Network Dev	ices Ext Id Sources	Client Provisioning	Portals & Components	Policy Elements	Policy Sets	Reports	More
Client Provisioning Policy Resources	* Name Win	elessNSP						
	Description Operating System * ALL Wreless Profile Multiple SSIDs can be configure Proxy Auto-Config File URL will If no Proxy Auto-Config File UR @ Edit + Add Duplice	Wireless Profile(s) SSID Name * Proxy Auto-Config File URL Proxy Host/IP Proxy Port	BYOD-Dot1x	Ū	profile will be app troid 5.0 or above. used for early (pre	lied globally (i.e. to - e 5.x) versions of A	all subsequent	profiles).
	SSID Name Pr	Allowed Protocol *	TLS ~		cate Templ Certificate_temple			
		Certificate Template Optional Setti Windows Settings Authentication Mode	BYOD_Certificate_template	<u> </u>				

Windows. زاهجل ليمعلا ريفوت جهن ءاشنإ .4 ةوطخلا

ماظن ددح .ليمعلا دادمإ ةسايس < ليمعلا دادمإ < BYOD < لمعلا زكارم < ISE ىلإ لقتنا ةوطخلا يف مؤاشنإ مت يذلا NSP و Windows ALL ددح WinSPWizard 3.0.0.2 نوكيل ليغشتلا .ةقباسلا

■ Cisco ISE				Work	Nork Centers - BYOD						A Evaluation Mode 4	46 Days	Q	0	9	
Overview Ide	entities Ide	ntity Groups	Network Devices	Ext Id	Sources	Client Pro	ovisioning	Portals & (Comp	ponents Policy Elements I	Policy Se	ets Reports P	More	~		
Client Provisioning Poli Resources	icy	Client Define the Cli For Agent Co For Native Su	Provisioning ent Provisioning Policy to nfiguration: version of age pplicant Configuration: with	determinent, agent zard profi	CY e what users will profile, agent co e and/or wizard.	receive up mpliance n Drag and d	on login and us nodule, and/or drop rules to ch	er session init agent customized the orde	iation: zation r.	package.						
		~														
			Rule Name		Identity Group	s	Operating S	stems		Other Conditions		Results				
		8 🗹	10S	If	Any	and	Apple IOS All		and	Condition(s)	then	Cisco-ISE-NSP		Edik 🗸		
		ii 🗹	Android	If	Any	and	Android	_	and	Condition(s)	then	Cisco-ISE-NSP		Edit 🗸		
		8 🗹	Windows	If	Any	and	Windows All		and	Condition(s)	then	WinSPWizard 3.0.0.2 And WirelessNSP	1	Edit 🖂		
		# 🗹	MAC OS	If	Any	and	Mac OSX		and	Condition(s)	then	CiscoTemporalAgentOSX 4.8.00176 And MacOsXSPWizard		Edit 🛩		
												Sav	ve		Re	set

ا. BYOD ةزهجأك ةلجسملا ريغ ةزهجألل ليوخت فيرعت فلم ءاشنإب مق .5 ةوطخلا

صيصخت تافلم < ضيوفتلا <جئاتنلا < ةسايسلا رصانع < ةسايسلا < ISE كل لقتنا ةفاضإ < ضيوفتلا.

لوصولاا يف مكحتلا ةمئاق مسا ديدحتب مق .يلصألا بلاطلا ديوزت ددح ،ةكرتشم ةمهم تحت ةيكلساللا ةيلحملا ةكبشلا يف مكحتلا رصنع ىلع هؤاشنا مت يذلا هيجوتلا ةداعإل (ACL) (WLC لخدم ءاشنا كنكمي .ةيضارتفالا ةباوبلا مادختسا متي ،انه BYOD. لخدم ددحو (WLC) قفاضا رقناو تانوكملاو تاباوبلا < BYOD < لمعلا زكارم < ISE ىلإ لقتنا .صصخم

≡ Cisco ISE		Policy · Policy Elements
Dictionaries	Conditions	Results
Authentication	>	* Name BYOD_Wireless_Redirect
Authorization Authorization Profile Downloadable ACLs	95	* Access Type ACCESS_ACCEPT ~
		Network Device Profile 📫 Cisco 🗸 🕀
Profiling	>	Service Template
Posture	>	Agentiess Posture
Client Provisioning	>	Passive Identity Tracking 🔲 🕕
		 ✓ Common Tasks ✓ Web Redirection (CWA, MDM, NSP, CPP) ③ Native Supplicant Provisioning ✓ ACL BYOD-Initial ✓ Value BYOD Portal (default) ✓

ةداەش فيرعت فلم ءاشنإ .6 ةوطخلا.

فيرعت فلم ءاشنإ .ةداەشلا فيرعت فلم < ةيجراخلا ةيوەلا رداصم < ةرادإ < ISE ىلإ لقتنا يضارتفالا ةداەشلا فيرعت فلم مادختسإ وأ ديدج ةداەش.

■ Cisco ISE	Administration · Identity Management
Identities Groups External Ider	ntity Sources Identity Source Sequences Settings
External Identity Sources	Certificate Authentication Profiles List > cert_profile Certificate Authentication Profile
← Certificate Addientication F	* Name cert_profile
2 Preloaded_Certificate_Prof	Description
Active Directory	
LDAP	
ODBC	Identity Store [not applicable] V ()
C RADIUS Token	
RSA SecurID	Use Identity From O Certificate Attribute Subject - Common N: V (i)
SAML Id Providers	Any Subject or Alternative Name Attributes in the Certificate (for Active Directory Only)
🗀 Social Login	
	Match Client Certificate Against Certificate In Identity Store (i) Only to resolve identity ambiguity Always perform binary comparison

يف هؤاشنإ مت يذلا ةداهشلا فيرعت فلم ددحو ةيوه ردصم لسلست ءاشنإب مق .7 ةوطخلا موقي امدنع بولطم اذهو .يضارتفالا ةداهشلا فيرعت فلم مدختساً وأ ةقباسلا ةوطخلا ليجست دعب EAP-TLS ذيفنتب نومدختسملا.

≡ Cisco	ISE		Admini	Administration - Identity Management					
Identities	Groups	External Identity Sources	Identity Source Sequences	Settings					
Identity Source	e Sequences List	> For_Teap							
✓ Identity * Name Description	/ Source Se	quence id_Store							
✓ Certifi ✓ Se	cate Based lect Certificate A	Authentication	ofile 🗸						
∽ Authe As	ntication Se et of identity se Available	arch List purces that will be accessed in ser	quence until first authentication suc elected	ceeds					

. ضيوفتلا ةسايسو ةقداصم ةسايسو تاسايس ةعومجم ءاشنإب مق .8 ةوطخلا

ظفحو جەن ةعومجم ءاشنإ .تاسايسلا تاعومجم < ةسايسلا < ISE ىلإ لقتنا.

ADJoioint

ةوطخلا يف ەۋاشنإ مت يذلا ةيوەلا ردصم لسلست ددحو ةقداصم ةسايس ءاشنإب مق ةقباسلا.

نيتسايس ءاشنإ بجي .ليوخت ةسايس ءاشنإ.

Guest Users

ا هيجوتلا ةداعإ فيرعت فلم ميدقت ىجري ،BYOD ليجست متي مل يتلاا ةزهجألل ةبسنلاب .1 5. ةوطخلا يف هؤاشنا مت يذلا

ل. لوصولا حنما ،EAP-TLS ب موقت يتلاو BYOD فينصت نمض ةلجسملا ةزهجألل ةبسنلاب. ةزهجألا هذه يلإ لماكلا.

E Cisco ISE	A Eval	luati	
\vee Authentication Policy (1)			
(+) Status Rule Name	Conditions	Use	
Q Search			
	+		
		BYOD_id_Store	
🤣 Default		> Options	
> Authorization Policy - Local Exceptions			
> Authorization Policy - Global Exceptions			
imes Authorization Policy (3)			
		Results	
+ Status Rule Name	Conditions	Profiles Security Groups	
Q Search			
Full_Access	AND	PermitAccess × + Select from list	
BYOD_Redirect	EndPoints-BYODRegistration EQUALS Unknown	BYOD_Wireless_Redire \times \vee + Select from list	

(WLC) ةيكلساللا LAN ةكبش يف مُكحتلا ةدحو نيوكت

.WLC ىلع RADIUS مداخ نيوكت .1 ةوطخلا

.ةقداصملا < AAA > RADIUS < نيمأتلا ىلإ لقتنا

uluilu cisco	MONITOR WLANS CONT	ROLLER WIRELESS	<u>S</u> ECURITY	MANAGEMENT	C <u>O</u> MMANDS	HELP	<u>F</u> EEDBACK	
Security	RADIUS Authentication	Servers > Edit						
 AAA General RADIUS Authentication Accounting Auth Cached Users Fallback DNS Downloaded AVP TACACS+ LDAP Local Net Users MAC Filtering Disabled Clients User Login Policies AP Policies Password Policies 	Server Index Server Address(Ipv4/Ipv6) Shared Secret Format Shared Secret Confirm Shared Secret Key Wrap Apply Cisco ISE Default sett Apply Cisco ACA Default sett Port Number Server Status	7 10.106.32.1 ASCII ~ (Designed for tings 1812 Enabled ~	19 or FIPS custome	ers and requires a k	ey wrap compliar	nt RADIUS	(g) (g) i server)	
Local EAP	Support for CoA	Enabled 🗸						
Advanced EAP	Server Timeout	5 seco	nds					
Priority Order	Network User	Enable						
Certificate	Management	Enable						
Access Control Lists	Management Retransmit Tim	eout 5 secon	ds					
 Wireless Protection Policies 	Tunnel Proxy	Enable						
Web Auth	PAC Provisioning	Enable						
TrustSec	IPSec	Enable Enable						
Local Policies	Cisco ACA	Enable						
Umbrella								
Advanced								

ةبساحملا < AAA > RADIUS < نيمأتلا ىلإ لقتنا.

cisco	<u>M</u> onitor <u>W</u> lans <u>C</u> ontroll	ER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEED	DBACK
Security	RADIUS Accounting Server	s > Edit	
 AAA General RADIUS Authentication Accounting Auth Cached Users Fallback DNS 	Server Index Server Address(Ipv4/Ipv6)	7 10.106.32.119	
	Shared Secret Format	ASCII ~	
DNS Downloaded AVP TACACS+ LDAP	Apply Cisco ACA Default settings	1813	
Local Net Users MAC Filtering Disabled Clients User Login Policies AP Policies Password Policies Local EAP Advanced EAP Priority Order Certificate Access Control Lists	Server Status Server Timeout Network User	Enabled V 5 seconds V Enable	
	Management Tunnel Proxy Realm List	Enable Enable	
	PAC Provisioning IPSec	Enable Enable	
Wireless Protection Policies	Cisco ACA	Enable	
 TrustSec 			

cisco	Monitor <u>w</u> lans <u>c</u> ontroll	ler w <u>i</u> reless <u>s</u> ecurity m <u>a</u> nagement c <u>o</u> mmands he <u>l</u> p <u>f</u> eedback
WLANs	WLANs > Edit 'BYOD-Dot'	1x'
WLANS	General Security Qos	S Policy-Mapping Advanced
Advanced	Profile Name Type	BYOD-Dot1x
	SSID	BYOD-Dot1x
	Status	C Enabled
	Security Policies (Radio Policy	[WPA2][Auth(802.1X)] (Modifications done under security tab will appear after applying the changes.)
	Interface/Interface Group(G)	management 🗸
	Multicast Vlan Feature	Enabled
	NAS-ID	none
	Lobby Admin Access	

ديوزتل دودحم لوصو ريفوتل ەيجوتلا ةداعإل لوصولا يف مكحتلا ةمئاق نيوكت .3 ةوطخلا زاەجلا.

- . (يضارتفا لكشب DHCP ب حامسلا متي) DNS و DHCP ىل UDP رورم ةكرجب حامسلا
- الأصتال ISE.
- .ىرخألاا رورملا ةكرح ضفر

فلم يف ايودي (ACL) لوصولاب مكحتلا ةمئاق ةيمستب تمق ءيش يأ وأ) يلوأ-BYOD :مسالا (ليوختلا فيرعت

uluili. cisco	MONI	tor <u>w</u> i	ANS CONTROLLE	R WIRELESS	SECURITY N	MANAGEMENT	COMMANDS	HELP	FEEDBACK					
Security	Acce	ess Cont	trol Lists > Edit											
AAA Local EAP	Gene	eral												
Advanced EAP	Acces	s List Name	BYOD-Initi	al										
Priority Order	Deny	Counters	0											
Certificate	Seq	Action	Source IP/Mask		Destinatio	on IP/Mask		Protocol	Source Port	Dest Port	DSCP	Direction	Number of Hits	
Access Control Lists	1	Permit	0.0.0.0	/ 0.0.0.0	0.0.0.0	/ 0.0.0.0	e 1	UDP	Any	Any	Any	Any	0	
CPU Access Control Lists	2	Permit	0.0.0	/ 0.0.0.0	10.106.32.	119 / 255.25	5.255.255	Алу	Any	Any	Any	Any	0	
FlexConnect ACLs Laver2 ACLs	3	Permit	10.106.32.119	/ 255.255.255.25	5 0.0.0.0	/ 0.0.0.0	()	Any	Any	Any	Any	Any	0	
URL ACLS	4	Deny	0.0.0.0	/ 0.0.0.0	0.0.0.0	/ 0.0.0.0	6	Any	Any	Any	Any	Any	0	
Wireless Protection Policies														
▶ Web Auth														
TrustSec														
Local Policies														
Umbrella														
► Advanced														

.Dot1x SSID نيوكتب مق .2 ةوطخلا

ةحصلا نم ققحتلا

ةقداصملا قفدت نم ققحتلا

E Cisco ISE	Operations - RADIUS							୦ ଡ	9	٥	
Live Logs Live Sessions											
Misconfigured Supplicants 🕕	Misconfigured Supplicants 🕕 Misconfigured Network Devices			RADIUS Drops 🕕 Client Stopped Responding 🔘					Repeat Counter 🤇		
0		0	1 0				0				
🦪 Refresh 🕁 Reset Repeat Counts 🖞 Export	To 🗸				Refre	th Show br V Latest 20	records 🗸	Within Last 5 r	ninutes	• •	
Time Status	Details Repea	Identity	Endpoint ID	Identity Group	Authenti	Authorization Policy	Authorizati	on Profil	es	E	
×	~	Identity	Endpoint ID	Identity Group	Authenticat	Authorization Policy	Authorization	Profiles		E	
Nov 29, 2020 11:13:47.4	à 0	dot1xuser	50:3E:AA:E4:8		Wireless >	Wireless >> Full_Acceess	PermitAccess			w	
Nov 29, 2020 11:13:47.2	O	dot1xuser	50:3E:AA:E4:8	RegisteredDevices	Wireless >	Wireless >> Full_Acceess	PermitAccess			w	
Nov 29, 2020 11:10:57.9	ò	dot1xuser	50:3E:AA:E4:8	Profiled	Wireless >	Wireless >> BYOD_Redirect	BYOD_Wirele:	s_Redired	:t	TF	

مسا مادختساب PEAP ةقداصم ءارجإب مدختسملا موقي ،ةرم لوأل لوخدلا ليجست دنع .1 ميجوتلا ةداعإ ةدعاق ميجوت ةداعإب مدختسملا موقي ،ISE ةلاح يف .رورم ةملكو مدختسم BYOD.

Cisco ISE		
ſ		
	Overview	
	Event	5200 Authentication succeeded
	Username	dot1xuser
	Endpoint Id	50:3E:AA:E4:81:B6 🕀
	Endpoint Profile	TP-LINK-Device
	Authentication Policy	Wireless >> Default
	Authorization Policy	Wireless >> BYOD_Redirect
	Authorization Result	BYOD_Wireless_Redirect

Cisco ISE

Authentication Details

Source Timestamp	2020-11-29 11:10:57.955
Received Timestamp	2020-11-29 11:10:57.955
Policy Server	isee30-primary
Event	5200 Authentication succeeded
Username	dot1xuser
User Type	User
Endpoint Id	50:3E:AA:E4:81:B6
Calling Station Id	50-3e-aa-e4-81-b6
Endpoint Profile	TP-LINK-Device
Authentication Identity Store	Internal Users
Identity Group	Profiled
Audit Session Id	0a6a21b2000009a5fc3d3ad
Authentication Method	dot1x
Authentication Protocol	PEAP (EAP-MSCHAPv2)
Service Type	Framed
Network Device	WLC1

2. ديفنتب نآلا موقيو لجسملا زاهجلا ىلٍ مدختسملا ةفاضإ متت BYOD، ليجست دعب EAP-TLS لماكلا لوصولا ىلع لصحيو TLS.

Cisco ISE

Overview	
Event	5200 Authentication succeeded
Username	dot1xuser
Endpoint Id	50:3E:AA:E4:81:B6 🕀
Endpoint Profile	Windows10-Workstation
Authentication Policy	Wireless >> Default
Authorization Policy	Wireless >> Full_Acceess
Authorization Result	PermitAccess

يب ةصاخلا ةزهجألا ةباوب نم ققحتلا

لخدم ىلإ لقتنا MyDevices ىلع عالطالا كنكمي .دامتعالا تانايب مادختساب لوخدلا لجسو MyDevices لخدم ىل لقتنا ليجستانا قالحو زاهجاتا مسا.

MyDevices. ةباوبل URL ناونع ءاشنإ ڬنڬمي

تادادعإ < يب ةصاخلا ةزهجألا لخدم < تانوكملاو لخدملا < BYOD < لمعلا زكارم < ISE دل قتنا لخدأ مث لوخدلا ليجست.

Manage Devices Need to add a device? Select Add. Was your device lost or stolen? Select your device from the list to manage it. Number of registered devices:2/5 Add Refresh Image: MAC Address Lost Stolen Edit PIN Lock Full Wipe Unenroll Reinstate Delete	
Add Refresh MAC Address Lost Stolen Edit PIN Lock Full Wipe Unenroll Reinstate Delete (
MAC Address Lost Stolen Edit PIN Lock Full Wipe Unenroll Reinstate Delete	
Lost Stolen Edit PIN Lock Full Wipe Unenroll Reinstate Delete	
	۲

اهحالصإو ءاطخألا فاشكتسا

ةماع تامولعم

.PSN دقع ىلع ءاطخألاا حيحصت يف هذه ISE تانوكم نيكمت بجي ،BYOD ةيلمعل ةبسنلاب

ise-psc.log فدەلا لجسلا تافلم .scep لجس لئاسر - scep يا scep دەلا

client-webApp - فدەلا لجسلا فلم .ةيساسألا ةينبلا لئاسر نع لوؤسملا نوكملا - isepsc.log

Portal-web-action - اليمعلا ريفوت ةسايس ةجلاعم نع لوؤسملا نوكملا . guest.log.

guest.log - فدەلا لجسلا فلم .لخدملاب ةلصلا تاذ ثادحألا ةفاك - ةباوبلا

portal-session-manager -ةسلجب ةقلعتملا العطخألاا حيحصت لئاسر - فدهلا لجسلا تافلم- gues.log - لخدملا

-caservice و caservice. فدەلا لجسلا تافلم- قدصملا عجرملا ةمدخ لئاسر -caservice سادد. misc.log

و caservice.log - فدەلا لجسلا تافلم - قدصملا عجرملا قمدخ قداەش لئاسر - caservice-cert - فدەلا لجسلا تافلم

admin-ca- ca-service admin messages - و ise-psc.log فدەلا لجسلا تافلم ise-psc.log مرال جسلام casrvice-misc.log

ise-psc.log فدەلا لجسلا تافلم- ةداەشلا ريفوت ةباوب لئاسر - certprovisiingportal

ise-psc.log فدەلا لچسلا تافلم - ةلصلا تاذ NSF- NSF لئاسر

ise-psc.log تافلم لجس فده - تقؤملا نيزختلا ةركاذب ةقلعتم لئاسر ةسلج - nsf-session

. prrt-server.log - فدهلا لجسلا فلم .ليغشتلا تقو ثادحاً عيمج - AAA-ليغشتلا تقو

: ليمعلا بناج نم تالجسلل ةبسنلاب

نع ثحبا tempː\spwProfileLog.txt (لااثملال ليبس ىلع): C:\Users\<username>\AppData\Local\Temp\spwProfileLog.txt)

لمعلا لجس ليلحت

ISE تالجس

داعم URL ناونعو اهەيجوت داعم (ACL) لوصولا يف مكحت ةمئاق عم يلوألا لوصولا لوبق لخدمل ەيجوتلا

Prrt-server.log

[1] User-Name - value: [dot1xuser]

[25] Class - value: [****]

[79] EAP-Message - value: [ñ

[80] Message-Authenticator - value: [.2{wëbÙ["]Åp05<Z]</pre>

[26] cisco-av-pair - value: [url-redirect-acl=BYOD-Initial]

[26] cisco-av-pair - value: [url-redirect=https://10.106.32.119:8443/portal/gateway?sessionId=0a6a

[26] MS-MPPE-Send-Key - value: [****]

[26] MS-MPPE-Recv-Key - value: [****] ,RADIUSHandler.cpp:2216

ىلا WLC ةطساوب ەەيجوت ديعأو بيو عقوم ىلإ لاقتنالا يئاەنلا مدختسملا لواحي امدنع SEL مىل الواحي امدنع ISE.

Guest.log

2020-12-02 05:43:58,339 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] com.cisco.ise.portal.Gateway redirect=www.msftconnecttest.com/redirect client_mac=null daysToExpiry=null ap_mac=null switch_url=null wlan=null action=nsp sessionId=0a6a21b20000009f5fc770c7 portal=7f8ac563-3304-4f25-845d-be9faac3c44f isExpired=null token=53a2119de6893df6c6fca25c8d6bd061 2020-12-02 05:43:58,339 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] cisco.ise.portalwebaction.u

2020-12-02 05:43:58,339 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] cisco.ise.portalwebaction.u

2020-12-02 05:43:58,344 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] cisco.ise.portal.util.Porta

2020-12-02 05:43:58,344 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] cisco.ise.portal.util.Porta 2020-12-02 05:43:58,344 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-5][] com.cisco.ise.portal.Gateway

2020-12-02 05:43:58,355 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cisco.ise.portalwebaction.c

2020-12-02 05:43:58,356 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cisco.ise.portalwebaction.a

2020-12-02 05:43:58,356 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cisco.ise.portalwebaction.a

2020-12-02 05:43:58,360 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cisco.ise.portalwebaction.a

2020-12-02 05:43:58,360 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager

2020-12-02 05:43:58,361 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager 2020-12-02 05:43:58,361 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager 2020-12-02 05:43:58,361 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager 2020-12-02 05:43:58,361 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager 2020-12-02 05:43:58,361 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager

2020-12-02 05:43:58,362 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager 2020-12-02 05:43:58,365 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cpm.guestaccess.flowmanager

2020-12-02 05:43:58,366 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-7][] cisco.ise.portalwebaction.co 2020-12-02 05:40:35,611 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-6][] com.cisco.ise.portalSession 2020-12-02 05:40:35,611 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-6][] cisco.ise.portalwebaction.co



BYOD. بيحرت ةحفص يف ءدب قوف رقنا

020-12-02 05:44:01,926 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cisco.ise.portalwebaction.ac

2020-12-02 05:44:01,926 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cisco.ise.portalwebaction.c

ماً ةدوجوم BYOD ل ةمزاللاا دراوملا/تافلملا تناك اذإ ام مييقتب ISE موقي ،ةطقنلا هذه دنعو قاحل هسفن نيعيو ،ال BYOD INIT.

2020-12-02 05:44:01,936 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] guestaccess.flowmanager.ste

2020-12-02 05:44:01,936 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] guestaccess.flowmanager.ste 2020-12-02 05:44:01,936 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cpm.guestaccess.flowmanager 2020-12-02 05:44:01,936 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cpm.guestaccess.flowmanager

2020-12-02 05:44:01,950 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cisco.ise.portalwebaction.co 2020-12-02 05:44:01,950 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cisco.ise.portalwebaction.co

← C ① ▲ https://10.106.32.119:8443/portal/ByodStart.action?from=BYOD_WELCOME 80% •••••••••••••••••••••••••••••••••••	回 合	⊼ III/	\$ ≡
2 3	lotixuser e		
2 3			
Device information Enter the device name and optional description for this device so you can manage it using the My Devices Portal. Device name: *			
My-Device			
vescription:			
Device ID: 50:3E AA E4:31:86			
Continue			

ليجست ىلع رقناو زاهجلا مسا لخدأ.

2020-12-02 05:44:14,682 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.ise.portalwebaction.a

Request Parameters:

from=BYOD_REGISTRATION

token=PZBMFBHX3FBPXT8QF98U717ILNOTD68D

device.name=My-Device

device.description=

```
2020-12-02 05:44:14,682 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.ise.portal.actions.By
```

```
2020-12-02 05:44:14,682 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.ise.portalwebaction.a
2020-12-02 05:44:14,682 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.ise.portalwebaction.a
```

```
2020-12-02 05:44:14,683 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cpm.guestaccess.apiservices
username= dot1xuser
idGroupID= aa13bb40-8bff-11e6-996c-525400b48521
authStoreGUID= 9273fe30-8c01-11e6-996c-525400b48521
nadAddress= 10.106.33.178
isSameDeviceRegistered = false
```

2020-12-02 05:44:14,900 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cpm.guestaccess.flowmanager

2020-12-02 05:44:14,902 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.ise.portalwebaction.c

2020-12-02 05:44:01,954 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-3][] cisco.ise.portalwebaction.c

2020-12-02 05:44:14,969 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-10][] cisco.cpm.client.provision



اتقۇم spwProfile.xml مساب فلم ءاشنإ متي ،NSA ىلع عدب قوف مدختسملا رقني امدنع ،نآلا دفنم ىلع ەليزنت مت يذلا اليمعلا ىلع Cisco-ISE-NSP.xml نم ىوتحملا خسني يذلا ليمعلا ىلع 8905.

Guest.log

```
2020-12-02 05:45:03,275 DEBUG [portal-http-service15][] cisco.cpm.client.provisioning.StreamingServlet 2020-12-02 05:45:03,275 DEBUG [portal-http-service15][] cisco.cpm.client.provisioning.StreamingServlet
```

2020-12-02 05:45:03,308 DEBUG [portal-http-service15][] cisco.cpm.client.provisioning.StreamingServlet 2020-12-02 05:45:03,308 DEBUG [portal-http-service15][] cisco.cpm.client.provisioning.StreamingServlet

WirelessNSP

2.0

ALL

wireless

BYOD-Dot1x

WPA2

TLS

false

e2c32ce0-313d-11eb-b19e-e60300a810d5

---output omitted---

2020-12-02 05:45:03,310 DEBUG [portal-http-service15][] cisco.cpm.client.provisioning.StreamingServlet

نم ىوتحملا ةءارق دعب spwProfile.xml موقي ،NSA موقي قكبشلا فيرعت فلم نيوكتب NSA موقي و ةكبشلا في عرب ناونعب صاخلا <u>PKI ليمع</u> مادختساب ةداهش ىلع لوصحلل ISE ىلإ هلاسراو ،CSR ءاشنإب



ise-psc.log

2020-12-02 05:45:11,298 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.cpm.provisioning.cert

2020-12-02 05:45:11,331 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.cpm.provisioning.cert

2020-12-02 05:45:11,331 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.cpm.provisioning.cert

```
2020-12-02 05:45:11,331 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] cisco.cpm.scep.util.ScepUti
2020-12-02 05:45:11,331 INFO [https-jsse-nio-10.106.32.119-8443-exec-1][] com.cisco.cpm.scep.ScepCert
2020-12-02 05:45:11,332 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] org.jscep.message.PkiMessag
2020-12-02 05:45:11,332 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] org.jscep.message.PkcsPkiEn
2020-12-02 05:45:11,333 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-1][] org.jscep.message.PkiMessag
```

ca-service.log

2020-12-02 05:45:11,379 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e

version [0]

subject [C=IN,ST=Karnataka,L=bangalore,0=cisco,0U=tac,CN=dot1xuser]

---output omitted---

2020-12-02 05:45:11,379 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e 2020-12-02 05:45:11,379 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e

caservice-misc.log

2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e 2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e

caservice.log

2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e

2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e 1: 50-3E-AA-E4-81-B6

2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e 2020-12-02 05:45:11,380 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67e

```
2020-12-02 05:45:11,395 DEBUG [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67er
2020-12-02 05:45:11,395 INFO [CAService-Scep][scep job 4d22d2e256a247a302e900ffa71c35d75610de67 0x67er
class [com.cisco.cpm.caservice.CaResultHolder] [1472377777]: result: [CA_0K]
subject [CN=dot1xuser, OU=tac, O=cisco, L=bangalore, ST=Karnataka, C=IN]
version [3]
serial [0x518fa73a-4c654df2-82ffdb02-6080de8d]
validity [after [2020-12-01T05:45:11+0000] before [2030-11-27T07:35:10+0000]]
```

keyUsages [digitalSignature nonRepudiation keyEncipherment]

ise-psc.log

2020-12-02 05:45:11,407 DEBUG [AsyncHttpClient-15-9][] org.jscep.message.PkiMessageDecoder -::::- Veri

caservice.log

2020-12-02 05:45:11,570 DEBUG [Infra-CAServiceUtil-Thread][] cisco.cpm.caservice.util.CaServiceUtil -:

ise-psc.log

🍪 Install	× +				- a ×
← → ♂ ŵ	🛛 🔒 https://10.106.3	2.119:8443/portal/ByodRegister.	action?from=BYOD_REGISTRATION	80% … 🛛 🏠	± ⊪\ © ⊛ ≡
	alialia cisco	BYOD Portal		dottxuser 🛊	
	Install	Cisco Network Setup Assistant	Network Setup Assistant Image: Setup Assist		

2020-12-02 05:45:13,381 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-10][] cisco.cpm.provisioning.cer 2020-12-02 05:45:13,381 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-10][] com.cisco.cpm.scep.ScepCer 2020-12-02 05:45:13,385 INFO [https-jsse-nio-10.106.32.119-8443-exec-10][] com.cisco.cpm.scep.ScepCer 2020-12-02 05:45:13,596 DEBUG [https-jsse-nio-10.106.32.119-8443-exec-10][] cisco.cpm.provisioning.cer

لوصولا ىلع نولصحيو EAP-TLS مادختساب ىرخأ ةقداصم ءالمعلا أدبي ةداەشلا تيبثت دعب لماكلا.

prrt-server.log

Eap,2020-12-02 05:46:57,175,INFO ,0x7f433e6b8700,cntx=0008591342,sesn=isee30-primary/392215758/701,CPMS ,EapParser.cpp:150

Radius, 2020-12-02 05:46:57, 435, DEBUG, 0x7f433e3b5700, cntx=0008591362, sesn=isee30-primary/392215758/701, C

[1] User-Name - value: [dot1xuser]

[25] Class - value: [****]

[79] EAP-Message - value: [E

[80] Message-Authenticator - value: [Ù(ØyËöžö|kô, }]

[26] MS-MPPE-Send-Key - value: [****]

[26] MS-MPPE-Recv-Key - value: [****] ,RADIUSHandler.cpp:2216

(spw تالجس) ليمعلا تالجس

فيرعتلا فلم ليزنت يف ليمعلا أدبي.

[Mon Nov 30 03:34:27 2020] Downloading profile configuration... [Mon Nov 30 03:34:27 2020] Discovering ISE using default gateway [Mon Nov 30 03:34:27 2020] Identifying wired and wireless network interfaces, total active interfaces: [Mon Nov 30 03:34:27 2020] Network interface - mac:50-3E-AA-E4-81-B6, name: Wi-Fi 2, type: unknown [Mon Nov 30 03:34:27 2020] Identified default gateway: 10.106.33.1 [Mon Nov 30 03:34:27 2020] Identified default gateway: 10.106.33.1, mac address: 50-3E-AA-E4-81-B6 [Mon Nov 30 03:34:27 2020] DiscoverISE - start [Mon Nov 30 03:34:27 2020] DiscoverISE input parameter : strUrl [http://10.106.33.1/auth/discovery] [Mon Nov 30 03:34:27 2020] [HTTPConnection] CrackUrl: host = 10.106.33.1, path = /auth/discovery, user [Mon Nov 30 03:34:27 2020] [HTTPConnection] HttpSendRequest: header = Accept: */* headerLength = 12 data = dataLength = 0 [Mon Nov 30 03:34:27 2020] HTTP Response header: [HTTP/1.1 200 0K

Location: https://10.106.32.119:8443/portal/gateway?sessionId=0a6a21b20000009c5fc4fb5e&portal=7f8ac563-

[Mon Nov 30 03:34:36 2020] [HTTPConnection] CrackUrl: host = 10.106.32.119, path = /auth/provisioning/d

Mon Nov 30 03:34:36 2020] parsing wireless connection setting [Mon Nov 30 03:34:36 2020] Certificate template: [keytype:RSA, keysize:2048, subject:OU=tac;O=cisco;L=b [Mon Nov 30 03:34:36 2020] set ChallengePwd ليغشتلا ديق WLAN ةمدخ تناك اذإ امم ليمعلا ققحتي.

[Mon Nov 30 03:34:36 2020] WirelessProfile::StartWLanSvc - Start [Mon Nov 30 03:34:36 2020] Wlansvc service is in Auto mode ... [Mon Nov 30 03:34:36 2020] Wlansvc is running in auto mode... [Mon Nov 30 03:34:36 2020] WirelessProfile::StartWLanSvc - End

[Mon Nov 30 03:34:36 2020] Wireless interface 1 - Desc: [TP-Link Wireless USB Adapter], Guid: [{65E78DD [Mon Nov 30 03:34:36 2020] Wireless interface - Mac address: 50-3E-AA-E4-81-B6 [Mon Nov 30 03:34:36 2020] Identifying wired and wireless interfaces... [Mon Nov 30 03:34:36 2020] Found wireless interface - [name:Wi-Fi 2, mac address:50-3E-AA-E4-81-B6] [Mon Nov 30 03:34:36 2020] Wireless interface [Wi-Fi 2] will be configured... [Mon Nov 30 03:34:37 2020] Host - [name:DESKTOP-965F94U, mac addresses:50-3E-AA-E4-81-B6]

فيرعتالا فالم قيبطت يف ليمعلا أدبي.

[Mon Nov 30 03:34:37 2020] ApplyProfile - Start... [Mon Nov 30 03:34:37 2020] User Id: dot1xuser, sessionid: 0a6a21b20000009c5fc4fb5e, Mac: 50-3E-AA-E4-81 [Mon Nov 30 03:34:37 2020] number of wireless connections to configure: 1 [Mon Nov 30 03:34:37 2020] starting configuration for SSID : [BYOD-Dot1x] [Mon Nov 30 03:34:37 2020] applying certificate for ssid [BYOD-Dot1x]

ليمعلا تيبثت ةداهش.

[Mon Nov 30 03:34:37 2020] ApplyCert - Start... [Mon Nov 30 03:34:37 2020] using ChallengePwd [Mon Nov 30 03:34:37 2020] creating certificate with subject = dot1xuser and subjectSuffix = OU=tac;0=c [Mon Nov 30 03:34:38 2020] Self signed certificate

```
[Mon Nov 30 03:34:44 2020] Installed [isee30-primary.anshsinh.local, hash: 5b a2 08 le 17 cb 73 5f ba
] as rootCA
[Mon Nov 30 03:34:44 2020] Installed CA cert for authMode machineOrUser - Success
Certificate is downloaded . Omitted for brevity -
[Mon Nov 30 03:34:50 2020] creating response file name C:\Users\admin\AppData\Local\Temp\response.cer
[Mon Nov 30 03:34:50 2020] Certificate issued - successfully
[Mon Nov 30 03:34:50 2020] ScepWrapper::InstallCert start
[Mon Nov 30 03:34:50 2020] ScepWrapper::InstallCert: Reading scep response file [C:\Users\admin\AppData
[Mon Nov 30 03:34:51 2020] ScepWrapper::InstallCert GetCertHash -- return val 1
```

[Mon Nov 30 03:34:51 2020] ScepWrapper::InstallCert end

[Mon Nov 30 03:34:51 2020] ApplyCert - End...

[Mon Nov 30 03:34:51 2020] applied user certificate using template id e2c32ce0-313d-11eb-b19e-e60300a81

يكلسال فيرعت فلم نيوكتب ISE موقي

[Mon Nov 30 03:34:51 2020] Configuring wireless profiles... [Mon Nov 30 03:34:51 2020] Configuring ssid [BYOD-Dot1x] [Mon Nov 30 03:34:51 2020] WirelessProfile::SetWirelessProfile - Start [Mon Nov 30 03:34:51 2020] TLS - TrustedRootCA Hash: [5b a2 08 1e 17 cb 73 5f ba 5b 9f a2 2d 3b fc d2

فيرعتلا فلم

BYOD-Dot1x

true

ESS

auto

false

WPA2

AES

true

true

user

false

5b a2 08 1e 17 cb 73 5f ba 5b 9f a2 2d 3b fc d2 86 0d a5 9b

false

Wireless interface succesfully initiated, continuing to configure SSID [Mon Nov 30 03:34:51 2020] Currently connected to SSID: [BYOD-Dot1x]

[Mon Nov 30 03:34:51 2020] Wireless profile: [BYOD-Dot1x] configured successfully
[Mon Nov 30 03:34:51 2020] Connect to SSID
[Mon Nov 30 03:34:51 2020] Successfully connected profile: [BYOD-Dot1x]
[Mon Nov 30 03:34:51 2020] WirelessProfile::SetWirelessProfile. - End

[Mon Nov 30 03:35:21 2020] WirelessProfile::IsSingleSSID - Start
[Mon Nov 30 03:35:21 2020] Currently connected to SSID: [BYOD-Dot1x], profile ssid: [BYOD-Dot1x], Single
[Mon Nov 30 03:35:21 2020] WirelessProfile::IsSingleSSID - End

[Mon Nov 30 03:36:07 2020] Device configured successfully.

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 لوي سم Systems يل إ أم اد عوجرل اب يصوُتو تامجرت ال يا من مان ال يزي لوي ال الان