CONFIGURATION GUIDE



Cloudpath Enrollment System Integration with Ruckus WLAN Controllers Configuration Guide, 5.7

Supporting Cloudpath Software Release 5.7

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Configuring the Ruckus Wireless Controllers

This document describes how to configure the Ruckus ZoneDirector, SmartZone, and Unleashed controllers to integrate with the Cloudpath system, and includes the following steps:

- Set up Cloudpath as an AAA Authentication Server
- Create AAA Accounting Server (Optional)
- Create Hotspot Services
- Set Up the Walled Garden
- Create the Onboarding SSID
- Create the Secure SSID

NOTE

The screen shots and corresponding instructions in this manual are based on the following Ruckus Controller versions:

- ZoneDirector 10.1.1
- Virtual SmartZone 3.6.0 (High Scale)
- Unleashed 200.6

If you are using different versions of any controller, please consult your controller documentation because you may encounter some differences in the user interface.

Setting up Cloudpath as an AAA Authentication Server

Create an AAA authentication server for the Cloudpath onboard RADIUS server. The following images show this configuration on the Ruckus ZoneDirector, SmartZone, and Unleashed controllers.

On ZoneDirector, go to Services & Profiles > AAA Servers. On SmartZone, go to Services & Profiles > Authentication. On Unleashed, go to Admin & Services > Services > AAA Servers > Authentication Servers.

FIGURE 1 Create AAA Authentication Server on ZoneDirector

Name	R-AOnboard
Туре	Active Directory LDAP RADIUS RADIUS Accounting TACACS+
Encryption	□ TLS
Auth Method	• PAP 💿 CHAP
Backup RADIUS	Enable Backup RADIUS support
IP Address*	192.168.5.73
Port*	1812
Shared Secret*	
Confirm Secret*	•••••
Retry Policy	
Request Timeout*	3 seconds
Max Number of Retries"	2 times

FIGURE 2 Create AAA Authentication Server on SmartZone

General Options		V
• Name Description		
	: RADIUS Active Directory LDAP : Enable Secondary Server	
Primary Server		
• IP Address:	72.18.151.56	
* Port:	1812	
 Shared Secret: Confirm Secret: 		
User Role Mapping		

FIGURE 3 Create AAA Authentication Server on Unleashed

Create New			
Name	Anna43Unleashed		
Туре	Active Directory R	ADIUS RADIUS Accounting	
Encryption	TLS		
Auth Method	PAP CHAP		
Backup RADIUS	Enable Backup RADI	JS support	
IP Address*	192.168.5.43		
Port*	1812		
Shared Secret*	••••••		
Confirm Secret*	•••••		
Retry Policy			
Request Timeout*	3	seconds	
Max Number of Retries*	2	times	
			OK Cancel

Enter the following values for the Authentication Server:

- 1. Name
- 2. Type = RADIUS
- 3. Auth Method (not applicable for SmartZone) = PAP
- 4. IP address = The IP address of the Cloudpath ES.
- 5. Port = 1812
- 6. Shared Secret = This must match the shared secret for the Cloudpath ES onboard RADIUS server. (Configuration > RADIUS Server).
- 7. Leave the default values for the remaining fields.

Creating AAA Accounting Server (Optional)

Use the same process to create the AAA Accounting Server.

NOTE

To navigate to the correct screen on Ruckus SmartZone, go to Services & Profiles > Accounting.

Enter the following values for the Accounting Server:

- 1. Name
- 2. Type = RADIUS ACCOUNTING.
- 3. IP address = The IP address of the Cloudpath ES.

4. Port = 1813

NOTE

The Authentication server uses port 1812. The Accounting server uses port 1813.

- 5. Shared Secret = This must match the shared secret for the Cloudpath ES onboard RADIUS server. (Configuration > RADIUS Server)
- 6. Leave the default values for the remaining fields.

Running Authentication Test

You can test the connection between the controller and the Cloudpath ES RADIUS server.

Follow the instructions for the applicable controller. For the possible results, see Possible Results from Authentication Test.

ZoneDirector

At the bottom of the AAA server page, there is a section called "Test Authentication/Accounting Servers Settings." The Test Against field should be Local Database, as shown below. Enter a test User Name and Password, then click the **Test** button.

FIGURE 4 Authentication Test on ZoneDirector

Test Authentic	ation/Accounting Servers Se	ttings		
You may test you the role.	ir authentication server settings by	providing a user name	and password here. Groups to which the user belongs will be returned and you can use them to conf	igure
Test Against Username	Local Database 🔻]		
Password		Show Password		
			Т	est

SmartZone

When you save a configuration for an AAA Authentication server in SmartZone, you can click the **Test AAA** tab at the top of the screen, select the server from the drop-down list, enter your credentials, then click the **Test** button.

FIGURE 5 Authentication Test on SmartZone

Test AAA	Servers		×
	Jeff AAA Auth vSZ PAP CHAP bob Show password	 ▼ 	
	Test	Cancel	

Unleashed

Enter the test credentials on the Test Authentication Servers Settings tab, then click the Test button.

FIGURE 6 Authentication Test on Unleashed

Authentication Se	Servers Test Authentication Servers Settings
	our authentication server settings by providing a user name and password here. Groups to which the user returned and you can use them to configure the role.
Test Against	Anna43Unleashed
User Name	
Password	Show Password
	Test

Possible Results from Authentication Test

If you run the authentication test, you receive one of these responses:

- Failed! Connection timed out
- Failed! Invalid username and password

• Authentication Failed

The only one of these responses that means that connectivity was established is:

Failed! Invalid username or password

Creating Hotspot Services

You can configure the Hotspot Service on the ZoneDirector, SmartZone, or Unleashed controllers.

 Navigate to: For ZoneDirector, go to Services & Profiles > Hotspot Services. For SmartZone, go to Services & Profiles > Hotspots & Portals > Hotspot WISPr. For Unleashed, go to Admin & Services > Services > Hotspot Services, then use both the General tab and the Authentication tab, as instructed later in this section.

2. Name the Hotspot Service.

FIGURE 7 Create Hotspot Service on ZoneDirector

Name	Lab Hotspot Services
Redirection	
WISPr Smart Client Support	None Enabled Only WISPY Smart Client allowed
Login Page*	Redirect unauthenticated user to
cogni Pege	https://training.cloudpath.net/e for authentication.
Start Page	After user is authenticated,
	redirect to the URL that the user intends to visit.
	redirect to the following URL:
Jser Session	
Session Timeout	Terminate user session after
Grace Period	Allow users to reconnect without re-authentication for 30 minutes
Authentication/Accounting Serve	HS
Authentication Server	Jeff AAA Auth 🔻
	C Enable MAC authentication bypass(no redirection).
	Use device MAC address as authentication password.
	Use as authentication password.
	MAC Address Format AA 88 CC DD EE FF V
Accounting Server	Jeff AAA acct * Send Interim-Update every 5 minutes
Wireless Client Isolation	
	Isolate wireless client traffic from other clients on the same AP.
	isolate wireless client traffic from all hosts on the same VLANisubnet.
	No WhiteList *
	(Requires whitelist for gateway and other allowed hosts.)
E Location Information	
Walled Garden	
Restricted Subnet Access	
Advanced Options	

FIGURE 8 Create Hotspot WISPr on SmartZone

Portal Name: Lab Hotspot Services Portal Description: Portal Description: Redirection Smart Client Support: ● None ● Enable ● Only Smart Client Allowed Logon URL: ● Internal ● External	V
Smart Client Support: None Enable Only Smart Client Allowed Logon URL: Internal External Redirect unauthenticated user to the URL for authentication: https://training.cloudpath.net/enroll/TrainingTest/Produc Redirected MAC Format: AA:BB:CC:0D:EE:FF Start Page: After user is authenticated, Redirect to the URL that user intends to visit. Redirect to the following URL:	۷
Logon URL: O Internal @ External	
User Session	W
Session Timeout: 1440 Minutes (2-14400) Grace Period: 60 Minutes (1-14399)	
Location Information	W
Location ID: (example: isocc=us,cc=1,ac=408,network=ACMEWISP_NewarkAirport) Location Name: (example: ACMEWISP,Gate_14_Terminal_C_of_Newark_Airport)	
Walled Garden	

FIGURE 9 Create Hotspot Service on Unleashed - General Tab

eneral	Authentication	WalledGarden Policy	
	N	lame Anna43HS	
Redire	ction		
WISP	Smart Client Su	pport None Enabled Only WISPr Smart Client allowed	
	Login	Page Redirect unauthenticated user to https://anna43.cloudpath.net/e for authenticated	tion.
	Start	Page After user is authenticated,	
		 redirect to the URL that the user intends to visit. 	
		redirect to the following URL:	
User S	ession		
	Session Tir	neout (Requires whitelist for gateway and other allowed hosts.)	
		Terminate user session after 1440 minutes	
	Grace F	Period Allow users to reconnect without re-authentication for 30 minutes	
	Intrusion Preve	ention 🕑 Temporarily block Hotspot clients with repeated authentication attempts.	

FIGURE 10 Create Hotspot Service on Unleashed - Authentication Tab

	Anna43Unleashed Create New
	 Enable MAC authentication bypass(no redirection). Use device MAC address as authentication password.
	Use as authentication password.
	MAC Address AA:BB:CC:DD:EE:FF v
Accounting Server	Anna43UnleashedACCT Create New
	Send Interim-Update every 10 minutes
Wireless Client Isolation	
Wireless Client Isolation	 Isolate wireless client traffic from other clients on the same AP. Isolate wireless client traffic from all hosts on the same VLAN/subnet.
Wireless Client Isolation	
Wireless Client Isolation	Isolate wireless client traffic from all hosts on the same VLAN/subnet.
Wireless Client Isolation	 Isolate wireless client traffic from all hosts on the same VLAN/subnet. No WhiteList Create New
	 Isolate wireless client traffic from all hosts on the same VLAN/subnet. No WhiteList Create New

- Point the unauthenticated user to the Cloudpath Enrollment Portal URL, which can be found on the Cloudpath Admin UI Configuration > Workflows page, in the Workflows table.
- 4. Check Redirect to the URL that the user intends to visit.
- 5. Select the Cloudpath RADIUS Authentication Server. Applicable only for ZoneDirector and Unleashed (Authentication tab) in this screen.
- 6. Select Enable MAC authentication bypass (no redirection). Applicable only for ZoneDirector and Unleashed (Authentication tab) in this screen. Selecting this field allows users with registered MAC addresses to be transparently authorized without having to log in.
- 7. For MAC Address Format (which appears when you select **Enable MAC authentication bypass (no redirection)** in the preceding step, it is recommended that you select the following option from the drop-down list: AA:BB:CC:DD:EE:FF
- 8. Select the Cloudpath RADIUS Accounting Server. Applicable only for ZoneDirector and Unleashed (Authentication tab).
- 9. Leave the defaults for the remaining settings. Click OK.

Setting Up the Walled Garden

Perform the following steps to add a walled garden configuration to your existing Hotspot Services configuration:

 Navigate to: For ZoneDirector, go to Services & Profiles > Hotspot Services. For SmartZone, go to Services & Profiles > Hotspots & Portals > Hotspot WISPr. For Unleashed, go to Admin & Services > Services > Hotspot Services. 2. For ZoneDirector and SmartZone, use the **edit** function on the existing Hotspot Services configuration, then scroll to the **Walled Garden** section and expand this section. For Unleashed, click the **WalledGarden** on the existing Hotspot Services configuration.

FIGURE 11 Walled Garden Configuration for ZoneDirector

	Unauthenticated users are allowed to access the following destinations: (e.g. *.mydomain.com,mydomain.com, *.mydomain.*,192.168.1.1:80, 192					24 or 192.168.1.1:80/24)	
		Order	Destination Address	Action			
		1	72.18.151.76	Edit Clone			
	C	reate Ne	W Delete				
Restricted Subnet Access							
Advanced Options							
						ок	Cancel

FIGURE 12 Walled Garden Configuration for SmartZone

Walled Garden:	* Walled Garden Entry		+ Add Import C	SV 🔻 🗶 Cancel	Delete
	Walled Garden Entry				
	72.18.151.76				
	Unauthenticated users are allowed to access Format: - IP (e.g. 10.11.12.13) - IP Range (e.g. 10.11.12.13-10.11.12.15) - CIDR (e.g. 10.11.12.100/28) - IP and mask (e.g. 10.11.12.13 255.255.255.0 - Precise web site (e.g. www.ruckus.com) - Web site with special regular expression like - *.amazon.com - *.com))			

FIGURE 13 Walled Garden Configuration for Unleashed

dit				
General	Authentication	WalledGarden	Policy	
			ss the following destination main.*,192.168.1.1:80, 192.	ns: 168.1.1/24 or 192.168.1.1:80/24)
0	Order	Destination Ad	Idress	Action
	erder			
0	1 •	192.168.5.42		Save Cancel

- 3. Include the DNS or IP address of the Cloudpath system, then click **OK**.
- 4. Optionally, there are some domains that you can add to the walled garden on all controllers to:
 - Prevent the Apple CNA mini-browser from appearing on Apple devices.
 - Avoid being blocked or slowed when attempting to download the Cloudpath wizard.

NOTE

There will still be about a 15-to-20-second delay when the full application is 33 percent complete (about 40 MB) in its download.

The recommended destinations to add for the walled garden are:

```
*.ggpht.com
*.play.googleapis.com
*.googleapis.com
android.clients.google.com
*.gvtl.com
connectivitycheck.android.com
connectivitycheck.google.com
*.gstatic.com
*.clients3.google.com
*.thawte.com
```

NOTE

The *thawte.com destination is the OCSP URL of the SSL certificate of the Cloudpath server. This URL can be found by clicking the *lock* icon in your web browser and viewing the details of your certificate.

- 5. If you are still experiencing issues, you can try adding the following destinations to the walled garden:
 - *.clients.google.com
 *.l.google.com
 *.googleusercontent.com
 *.appengine.google.com
 *.cloud.google.com
 *.android.com
 *.cloudfront.net
 *.akamaihd.net
 172.217.0.0/16
 216.58.0.0/16

Creating the Onboarding SSID

To configure the onboarding SSID, navigate to: For ZoneDirector and SmartZone, go to the Wireless LANS section of the controller UI; for Unleashed, go to Wifi Networks to create the WLAN.

1. Name the SSID.

2. Type=Hotspot Service (WISPr).

FIGURE 14 Onboarding SSID Configuration on ZoneDirector

eate WLAN		
General Options		•
"Name:	Lab Onboard SSID	
"ESSID: Description:	Lab Onboard SSID	
		-
WLAN Usages		•
Туре:	Standard Usage (For most regular wireless network usages.) Guest Access (duest access policies and access control will be applied.) Hotspot Service (WISPr)	
	Hotspot 2.0 Autonomous Social Media	
	© WeChat	
Authentication Options		-
Method:	Open 802.1x EAP MAC Address 802.1x EAP + MAC Address	
Fast B\$\$ Transition:	Enable 802.11r FT Roaming (Recommended to enable 802.11k Neighbor-list Report for assistent.)	
Encryption Options		-
Method:	○ WPA2 ○ WPA-Mixed ○ WEP-64 (40 bit) ○ WEP-128 (104 bit) ④ None	
Options		•
Hotspot Services:	Lab Hotspot Services * Create New	
Priority:	High O Low	
Advanced Options		•

FIGURE 15 Onboarding SSID Configuration on SmartZone

General Options		٧
- Name:	Lilo Onbowd 550	
* 5501	Leb Orecent SSD	
Description:		
- Zone:	E Defauit	
* WLAN Group:	default:	
Authentication Options		v
* Authentication Type:	Standard usage (For most regular (# Hotspot (#59h)) Guest Access. () Web Authentication	
	Infolies networks Infolies and Infolies I	
	Onboarding	
	Open O KOLIX KAP (# HAC Address O KELTI T KAC	
	Ube user defined best as authentication password (default is device MAC address):	
* MAC Address Format:	ALTRICCOLOCIENT .	
Encryption Options		v
* Method.	○ WFA2: ○ WFA.Mixed · ○ WEF-64 (40 bits) · ○ WEF-128 (104 bits) · ⑧ Nove	
Data Plane Options		. V.
Access Networ	k: 🗌 Turnel HEAN traffic through Ruckus GRE	
lotspot Portal		v
* Hotspot (HISPy) Parts	R: Lab Hotpot Services	
Bypess CN	A: 2 Date	
• [7] Authentication Servic	e: 🕑 Use the controller as proxy 🗌 Use Reatin-based profile	
	July AAA Judi v52 + + + Create	
Accounting Service	a: Use the controller as provy	
	Arth AAA Acct v52	
	The second state of the second state state and the location is said.	
Options		v
Acct Delay Time	Enable	
* Wireless Client Isolation	O Disable 🛞 Enable (boliste vineless client traffic from all hosts on the same VLAV subnet)	
Isolation Whitelist	Cotomoy Orig (Automatic)	
	(The whitelist can only contain wired destinations; wireless clients are not supported on the whitelist.)	
• Priority	® High ⊖Lov	
ADIUS Options		Þ
Advanced Options		. ►

FIGURE 16 Onboarding SSID Configuration for Unleashed

Create WLAN		×
* Name:	Anna43UnleashedOB	
Usage Type:	 Standard for most regular wireless network usage Guest Access guest access policies and access control will be applied Hotspot Service known as WISPr Social Media authenticate through social media network WeChat 	
Hotspot Services:	Anna43HS	
Show Advanced Options ►	OK Cancel	

- 3. Authentication Options Method=Open for ZoneDirector, MAC Address for SmartZone. (Not applicable for Unleashed.)
- 4. The checkbox next to MAC Authentication (SmartZone only) called "Use user defined text as authentication password (default is device MAC address):" can be left unchecked.
- 5. The MAC Address Format (SmartZone only) recommended selection is: AA:BB:CC:DD:EE:FF. This is the default for most RADIUS servers.
- 6. Encryption Options Method=None (ZoneDirector and SmartZone).
- 7. Select the Hotspot Service from the drop-down list that you should already have created in a previous step procedure.
- 8. Enable the Bypass CNA feature as follows, depending on the controller:
 - For SmartZone: Check the box to enable "Bypass CNA," as shown in Figure 15.
 - For ZoneDirector, after you finish configuring the onboarding SSID, refer to Figure 17 on page 22.
 - For Unleashed, after you finish configuring the onboarding SSID, refer to Figure 19 on page 23.
- 9. Select the Cloudpath RADIUS Authentication Server (SmartZone only).
- 10. Select the Cloudpath RADIUS Accounting Server (SmartZone only).
- 11. Leave the defaults for the remaining settings and click OK (or Apply).

Enabling Bypass CNA on ZoneDirector

It is recommended to enable the "Bypass Apple CNA Feature," which you can do globally for wireless LANs in ZoneDirector.

1. In the Wireless LANs main screen, click on Bypass Apple CNA Feature, as shown in the following figure:

FIGURE 17 Enabling the Bypass Apple CNA Feature Globally on ZoneDirector

/ C ×	€ <	+ Create / Edit C	lone 🗍 🗇 Delete	S	earch	Q	0
System		Name	ESSID	Authentication	Encryption	Status	
WG Default		Lab Onboard SSID	Lab Onboard SSID	open	none	Enabled	
		HQ1-Jeff	HQ1-Jeff	802.1x-eap	wpa2	Enabled	
		dpsk test	dpsk test	open	wpa2	Enabled	
		eng-PEAP	eng-PEAP	802.1x-eap	wpa2	Enabled	
		Jeff PSK	Jeff PSK	open	wpa2	Enabled	
		Lab Secure SSID	Lab Secure SSID	802.1x-eap	wpa2	Enabled	
/LAN Pooling Zero-IT /	Activation	Dynamic PSK Batch Generation	Bypass Apple CNA Feature	Web Portal Logo	1-6 of 6 Events/Activitie	SHOWIT	1
/LAN Pooling Zero-IT / Bypass Apple CNA I		Dynamic PSK Batch Generation	Bypass Apple CNA Feature	Web Portal Logo		SHOWIT	1

- 2. In the "Bypass Apple CNA Feature" area of the screen, check the "Hotspot service" box.
- 3. Click Apply to enable the "Bypass Apple CNA Feature" globally on all Wireless LANs that are configured as type "Hotspot Service (WISPr)."

Enabling Bypass CNA on Unleashed

It is recommended to enable the "Bypass Apple CNA Feature," which you can do globally for wireless LANs in Unleashed.

1. In the WiFi Networks main screen (see figure below), click Edit.

FIGURE 18 Clicking the Edit Button Brings you to Global Configuration

		1110	tworks	T	raffic: 0.00 MB	Total 6 Working 6	Disabled	
Create		Ed	it D	isable [Delete	Data duration	1 hour	۲
Sum	mary	- To	tal 6 WiFi	Networks		Summary		
c			0					
	Cliv	nts		Traffic		6 WiFi Network(s) enabled, 0 WiFi Network(s) disabled.		

2. In the Global Configuration screen that pops up, click Bypass Apple CNA Feature.

FIGURE 19 Enabling the Bypass Apple CNA Feature Globally on Unleashed

Global Co	onfiguration				^
Zero-IT Activation	Bypass Apple CNA Feature	Default Web Portal Logo	Users		
iDevices and OS				aptive Network Assistance (CNA) on Chat	

- 3. In the "Bypass Apple CNA Feature" area of the screen, check the "Hotspot service" box.
- 4. Click Apply to enable the "Bypass Apple CNA Feature" globally on all Wireless LANs that are configured as type "Hotspot Service (WISPr)."

Creating the Secure SSID

To configure the onboarding SSID, navigate to: For ZoneDirector and SmartZone, go to the Wireless LANS section of the controller UI; for Unleashed, go to Wifi Networks to create the WLAN.

1. Name the SSID.

- 2. Type=Standard Usage.
- 3. Authentication Option Method=802.1x EAP.
- 4. Encryption Option Method=WPA2 (not applicable for Unleashed once the 802.1x EAP authentication option method is selected).
- 5. Encryption Option Algorithm=AES (not applicable for Unleashed once the 802.1x EAP authentication option method is selected).
- 6. Select the Cloudpath RADIUS authentication server.
- Select the Cloudpath RADIUS accounting server (required only if you are using Cloudpath onboard RADIUS Accounting and Connection Tracking). Note: For ZoneDirector, you need to expand the Advanced Options section of the screen to locate the drop-down selection for the accounting server.

8. Leave the defaults for the remaining settings and click **OK**.

FIGURE 20 Configure Secure SSID on the ZoneDirector controller

eate WLAN		
		1200
General Options		•
"Name:	Lab Secure 5510	
*E550:	Lab Secure 550	
Description:		
WLAN Usages		-
туре.	Standard Usage (For most replier windows network unaper.)	
	Guest Access (duest access polices and access control will be applied) Hotspot Service (WISPr)	
	() Hotspot 2.0	
	© Autonomous	
	© Social Media	
	© Wednat	
Authentication Options		•
Method:	Open : 802.1x EAP O MAC Address 0 802.1x EAP + MAC Address	
End Bill Transform	Enable 802.11r FT Roaming (Recommended to enable 802.11s long/tox-last Report for assistant.)	
Encryption Options		-
Method:	8 WPA2 WPA-Mixed WEP-64 (40 bit) WEP-128 (104 bit) None	
Algorithm:	* AES 🕐 Auto (TKIP+AES)	
802.11w MFP:	Disabled Optional Required	
Options		•
Authentication Server:	Jeff AAA, Auth	
Wireless Client Isolation:	Isolate wireless client traffic from other clients on the same AP.	
	Isolate wireless client traffic from all hosts on the same VLANsubnet.	
	No WhiteList * Create New	
	(Requires subject of patients and other allowed horles.)	
ZeroiT Activation Th	✓ Enable Zero-T Activation	
	(HLAN uses are provided with weakers configuration installer after they log in.)	
Priority:	# High 🔾 Low	
Advanced Options		•
	ox	Ca

FIGURE 21 Select RADIUS Accounting Server on ZoneDirector

Advanced Options		• 1
Accounting Server:	Jeff AAA acct Create New Send Interim-Update every 10 minutes	
Access Control:	L2/MAC No ACLs Create New	
	L3/4/IP address No ACLs V Create New	
	Device Policy None Create New Precedence Policy Default Create New	
	Enable Role based Access Control Policy	
Application Recognition & Control:	Enable	
Call Admission Control:	Enforce CAC on this WLAN when CAC is enabled on the radio	
Rate Limiting:	Per Station Uplink Disabled + Per Station Downlink Disabled +	
SSID Rate Limiting:	UpLink 🔲 Enable 0 mbps (0.1~200)	
	DownLink Enable 0 mbps (0.1~200)	
	Per STA rate limiting will not work if SSID rate limiting is enabled.	
	ок	Cancel
	ок	Cancel

FIGURE 22 Configure Secure SSID on the SmartZone controller

fameral Onlines		-
General Options		
• Name:	Lab Secure SSD	
	Lab Secure SSD	
Description:		
Zane:	Cofult •	
* WLAN Group:		
Constraints [0000 · · · · · · · · · · · · · · · · ·	
Authentication Options		v
	Standard usage ffor next regular OHOSpot (MISPy Guest Access Web Authentication Motopot 2.6 OHOSpot 2.6 OHOSpot 2.6	
* Hethod: (Onbounding Open (# 802, IX CAP) NAC Address) 802, IX & MAC	
Encryption Options		v
· Nethod: 1	B WFA2 O WFA Mound C 1407-64 (40 tota) C 1407-123 (104 tota) C Nove	
	€ AIS ⊖ AUTO	
	Crabble R02.11r Fast, BSS Transition	
	Obactivel (● Capable) Required	
Data Plane Options		٧
Access Network	c 🗌 Turvel WLAN traffic through Ruckus GRE	
Authentication & Account	ting Service	٣
• (1) Authentication Service	Use the controller as prov	
	Ant AAA Auto VS2	
Accounting Service	C Due the controller as provy	
	Jeff AAA Acct v52	
Options		Ŧ
Acct Delay Time:	C Creble	
* Wreless Chent Isolation:	O Diable (Enable (solute r-freless client traffic from all hosts on the same YLAH) subnet)	
	Catering Only (Substantic) • •	
RADIUS Options		Þ
Advanced Options		

FIGURE 23 Configure Secure SSID on the Unleashed controller

Create WLAN				×
* Name: Usage Type:	Anna43UnleashedSecure Standard for most regular wire Guest Access guest access po Hotspot Service known as WIS Social Media authenticate thro WeChat	olicies and access SPr	control will be applied	
Authentication Method: Authentication Server: Accounting Server	 Open 802.1X EAP MA Anna43Unleashed Anna43UnleashedACCT Send Interim-Update every 10 	AC Address Create New Create New minutes		
Show Advanced Options ▶			ОК	Cancel

The SSIDs are now configured on the wireless LAN controller. When the user connects to the onboarding (open) SSID they are redirected to the Cloudpath web page. When the user successfully completes the enrollment process, they are migrated to the secure SSID.



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