Advanced Wireless Configuration in Cisco Business Dashboard

Objective

The objective of this article is to go over some advanced wireless configuration options using the Cisco Business Dashboard (CBD) version 2.5.0.

Applicable Devices | Software Version

Cisco Business Dashboard | 2.5.0

Introduction

CBD provides tools that help you monitor and manage the devices in your Cisco Business network. It automatically discovers your network and allows you to configure and monitor all supported devices such as switches, routers, and wireless access points.

CBD version 2.5.0 adds many new options to help control your wireless networks from the Dashboard itself. This includes the ability to configure Application Visibility and Local Profiling on SSIDs that you have created via CBD.

You can also customize RF optimization settings, Rogue AP detection, and Interferer detection as part of the new Wireless Radio menu by creating a profile and applying it to groups of access points (AP).

Finally, you can customize some radio settings on an AP-by-AP basis by going into the detailed properties of a device.

Keep reading to find out more!

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Wireless LANs

You can now enable Application Visibility and Local Profiling settings for a specific SSID using CBD.

If you have these enabled when you create the SSID, they will be enabled on all CBW devices that have the SSID.

To access this menu:

Step 1

Login to your CBD.

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Cisco Business Dashboard

		-
	This field is required	-
Password*		2
	Login 3	

Step 2

Navigate to **Network Configuration > Wireless LANs**.

English -



Step 3

You can either create or edit an existing Wireless LAN profile. This is an easy way to deploy wireless networks to a larger number of access points. To create a new profile, click on the **plus icon**.

Wireless L	ANs
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Wireless LANs



Profile Name

Step 4

Configure the Profile Name, Organization, and Device Groups.

Wireless LANs->Update WLANProfile2 **Device Group Selection** Profile Name WLANProfile2 1 * Organization Default Available Groups Selected Groups Device Groups Branch 1 Default > < >> <<

Step 5

To add a WLAN, click on the plus icon under Wireless LANs.

Wireless L	ANs
+	
	SSID Name

Step 6

Configure the fields in the window. Under *Advanced Settings*, you can specify *Application Visibility* and *Local Profiling* settings for this SSID. Once you have configured the settings, click **Save.**

Add Wireless LANs	×
Enable	Enable
SSID Name	CBDTestWLAN 🗸
VLAN ID	1 🗸
Security	WPA2-WPA3-Personal
Preshared Key	•••••••
 Advanced Settings 	
Broadcast	Enable
Application Visibility	Enable
Local Profiling	Enable
Radio	BOTH -
	Save Cancel

If you have these enabled when you create the SSID, they will be enabled on all CBW

Wireless Radios

Wireless Radios is a new menu that can be found in CBD 2.5.0 user interphase. To access this:

Step 1

Login to your CBD and navigate to **Network Configuration > Wireless Radios**.



Step 2

Click on the **plus icon** to add a profile.

Wireless Radios



Step 3

Here, you can create a profile and configure multiple devices in a device group to set the *RF Optimization* settings, *Rogue Detection*, and *Interferer Detection* settings for your CBW APs.

Wireless Radios->Update CBDProfile								
Device Group Selection								
A Changing the radio configuration will disrupt the network momentarily								
Profile Name	CBDProfile		1					
Organization	Organization Default -							
Device Groups	Available Groups		Selected Groups					
2	Branch 1	>						
-	Default	<						

Radio Settings

You can more easily customize the radio settings including channel, power level, and enable or disable on a per-device basis.

Step 1

Go to Inventory in the CBD menu.



Step 2

Select a device from the list and click **More** on the right side of the user interphase.

≡	Cisco Busine	ss Dashboard		Inventory							0 🕱 🛱	0	D
	+ ଫ ⊨≛ 🕨 🗎		All Organizations -	Type: Network Device \times	Show Discovery: Er	abled × Add Filter			Q	AP5CE1.76 172.16.1.21	6F2.3F0C	M	Aore
	Hostname	Type Tags	¢ IP	Serial I	Number	♦ Model	Organization	Network	Notificati	Overview	Act	ions	
	2	Switch	10.0.0.2	36	1		Branch Offices	Branch 1	0 0				^
	142ME	AP	192.168	.1.108	10.6.1.0	CBW142ACM-B-xx	Branch Offices	Lab	0 0	Information		^	-
	AP220A70	AP	172.16.1	1.204 null	10.7.1.0	CBW141ACM-B-US	Project X	Branch 2	8 3	Model	CBW140AC-B		
Ų	AP4CBC.48C0.74	AP	172.16.1	1.214 P	P 10.7.1.0	CBW240AC-B	Project X	Branch 2	02	Desidentia	Cisco Business 100A	C	
8	AP5CE1.76F2.3F0	AP	172.16.1	1.216 F	2 10.7.1.0	CBW140AC-B	Project X	Branch 2	8 3	Description	Access Point	2)	
	MP6C71.0D54.02/	AP	172.16.1	1.217 F	F 10.7.1.0	CBW140AC-B	Project X	Branch 2	0 3	Firmware Version	10.7.1.0		

Step 3

Navigate to the Wireless LANs tab.

						Inventory
0000 AP5CE1.76F2.3F	0C 🕝	Dashboard	PnP	Wireless LANs	Pending Config	Event Log
CBW140AC-B 5	C: 0C	Radio0 (2.	4GHz)			
Online	Action -	Configuratio	on			

Step 4

You will see the current Radio settings for the device. To edit a specific Radio, click on the **pencil icon** next to it.

Dashboard PnP Wireless L	ANs Pending Config Event Log			\otimes
Radio0 (2.4GHz)		Radio1 (5GHz)		^
Configuration		Configuration		ß
Admin Status	Enabled	Admin Status	Enabled	
Cham E				



The edit button will change to a *Save icon*. After making the desired changes to the Radio settings, click **Save**.

Radio0 (2.4GHz)			Radio1 (5GHz)	Í
Configuration		ß	Configuration	BC
Admin Status	Enabled		Admin Status	Enable
Automatic Channel Selection	Enabled		Automatic Channel Selection	Enable
Transmit Power	Auto		Transmit Power	Auto 👻

Conclusion

That's it! Now you know all about the advanced wireless configuration options in CBD 2.5.0 to control and manage your wireless networks.