

# Getting Started with the Cisco Catalyst Wireless Mobile Application

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# **Prerequisites for App Usage**

To enable convenient usage and proper functioning of the Cisco Catalyst Wireless mobile app, ensure that the app is granted the following permissions on your mobile device:

- Location permission on your mobile device (all Android devices and Apple devices with iOS Version 13 and later).
- Permission to access the mobile device camera to enable auto provisioning through QR code scanning.

# Setting Up a Wi-Fi Network

Use the Cisco Catalyst Wireless Mobile App to set up the Wi-Fi network for your Cisco Embedded Wireless Controller deployment by performing the procedures provided here, in the same order. The following sections also provide information about connecting to the provisioning SSID:

## **Connecting to the Provisioning SSID**

Figure 1: Landing Screen and Provisioning Screen of the Cisco Catalyst Wireless Mobile App

utl Airtel 🗢	4:52 PM	45%	K Back	Setup Method
Setup a Wi-Fi Net fo setup a Wi-Fi Ne SETUP button	twork twork, click on th	SETUP		
			м	anually connect to provisioning SSID
Manage Wi-Fi Ne To manage an existing on the MANAGE button	<b>twork</b> Wi-Fi Network, clic	MANAGE	Use Wi-Fi s	ettings on your device to setup your network
				Scan QR code
Managed Network SSID : networkpsk Site : Of	S	an hour ago	Use QR connetwork	de on the back of the Access Point to setup you
IP : 73.170.151.17 Site : Ra	1	9 hours ago		
Pov	wered by IOS-XE			Powered by IOS-XE

To connect to the provisioning SSID, use either of the following methods.

### Scanning the QR code

1. You can locate the QR code at the back of your Cisco Catalyst Series access point.

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Figure 2: Back view of Cisco Catalyst 9120AX Series AP



Location of the QR code at the back of the Cisco Catalyst 9120A	X Series AP
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2. If the access point is capable of becoming a Cisco Embedded Wireless Controller, you can use the Cisco Catalyst Wireless mobile app to scan this QR code and automatically provision the AP to set up your Wi-Fi network.



Figure 3: Scanning the QR code on the AP using the Cisco Catalyst Wireless mobile app

**3.** To initiate day zero configuration, follow the instructions in the Logging in to the Day 0 Wizard, on page 5 from Step 3.

### Manually Connecting to the Provisioning SSID

Figure 4: Manually Connecting to the Provisioning SSID Using the Cisco Catalyst Wireless Mobile App

Setup Method Setup
Step 1 Go to Wi-Fi in your 'Settings' app
Step 2 Select CiscoAirProvision_XXXX under 'Choose A Network'
Step 3 Return to the Catalyst Wireless App and click on SETUP button again
If you do not see CiscoAirProvision_XXXX SSID under 'Choose A Network' make sure the Access Point is powered up and LED on the Access Point is solid Green.
Goto Settings

- **Step 1** In your mobile device, under **Settings**, go to **Wi-Fi**.
- **Step 2** Under Choose A Network, tap CiscoAirProvision-xxxx from the list of available SSIDs.
- **Step 3** In the **Password** field, enter the default password for the CiscoAirProvision-xxxx SSID.
- Step 4 Tap Join.

Your mobile device is now connected to the CiscoAirProvision-xxxx SSID.

#### What to do next

To initiate day zero configuration, return to the Landing screen of the app, and follow the instructions provided in Logging in to the Day 0 Wizard, on page 5.

#### Troubleshooting the Task of Connecting to the Provisioning SSID

**Problem** During SSID provisioning on your Android device, the login screen is repeatedly displayed in the mobile device browser.

Solution Manually navigate to the Cisco Catalyst Wireless mobile app to continue using it.

**Problem** Your mobile device is connected to the corresponding SSID, but the error message "Please check your Wi-Fi connection and try again" is displayed. This error might also appear during the Day 1 setup.

Solution Switch off your mobile data and connect to the provisioning SSID.

**Problem** In Android 6.0 (Marshmallow) or later versions, you may see the error message "Connection to SSID ssid-name failed" even after repeated attempts to reconnect to the corresponding SSID. For more details, see

https://developer.android.com/about/versions/marshmallow/android-6.0-changes#behavior-network. This error might also appear during Day 1 setup.

Figure 5: Error Message in Android 6.0 and Later Versions While Connecting to the SSID

÷	Start Provisioning	
	Connection to SSID 'testpsk' failed	
	8	
	Next Steps	
	Try Reconnecting	
$\subset$	Goto Settings	
		DEGADB

Solution Navigate to Settings > Wi-Fi > Choose A Network and do one of the following:

- **Solution** Navigate to the corresponding SSID, and tap **Forget**. Wait for a couple of minutes and then return to the Cisco Catalyst Wireless mobile app to continue usage.
- **Solution** Manually connect to the corresponding SSID and return to the Cisco Catalyst Wireless mobile app.

## **Provisioning the Network**

The following sections provide information about the tasks involved in provisioning the network.

### Logging in to the Day 0 Wizard

#### Before you begin

Your mobile device must be connected to the CiscoAirProvision-xxxx SSID.

Step 1In your mobile device, under Setup a Wi-Fi Network, tap Setup.

The **Provisioning** screen is displayed.

**Step 2** Tap **Continue** to proceed with the configuration.

The Device Login screen for your Cisco Embedded Wireless Controller network is displayed.

#### Figure 6: Logging in to the Day Zero Wizard



**Step 3** In the **Device Login** screen, enter the default admin credentials. The default **Username** is **webui** and **Password** is **cisco**.

Step 4 Tap Login.

## **Overview of the Day Zero Wizard**

The day zero wizard of the Cisco Catalyst Wireless mobile app helps in the initial setup of your Cisco Embedded Wireless Controller network. You can configure certain basic parameters on the controller and network parameters to get your Cisco Embedded Wireless Controller network running.

## **Initial Network Configuration**

After you log in to the day zero wizard of the Cisco Catalyst Wireless mobile application, perform the following steps to configure the basic settings for your Cisco Embedded Wireless Controller network:

Step 1In the Configuration screen, under General Configuration, tap the Country drop-down list and select a country.Step 2Tap Management Account and enter the required management credentials.

#### Figure 7: Day Zero Wizard - General Configuration

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← Configuration	
General Configuration $\P$	~
Country	
US	>
Management Account	
Username*	
Password*	Ø
Confirm Password*	Ø
IP Configuration	
DHCP	
IP address	
192.168.1.238	
Deploy	

**Step 3** Under **IP Configuration**, do one of the following:

- DHCP: Enable the DHCP option to get a dynamic management IP address.
- IP Address: Enter the static management IP address for the controller interface.
- **Step 4** Under the **Configuration Mode**, do one of the following:
  - a) Non Mesh: Enable the nonmesh configuration mode.
  - b) Mesh: Enable the mesh configuration mode and provide the following:
    - 1. Enable Wireless Bridge: Slide the toggle button to enable or disable the wireless bridge.
    - 2. MAC Address: Enter the MAC address of the mesh AP MAC address. Tap + to add a MAC address to the list of mesh AP MAC addresses.

Additionally, you can enter MAC addresses by tapping the Scan QR Code link and scanning the MAC addresses, and by scanning the image to read the MAC addresses.

List of Mesh APs: Tap the delete icon to clear the list of MAC addresses on the mesh APs.

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÷	Configuration	
IP Co	onfiguration	
DHCF IP addr 192.1	ress 68.1.238	•
Confi	guration Mode	
O No	on Mesh 💿 Mesh	
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MAC Ad	ldress :11:11:11:11	+
List o Ent	<b>f Mesh AP's</b> er the Mesh AP MAC ad to add	Scan QR Code Scan MAC Address dress and click '+'
Wirel	ess Networks !	>
	Deploy	

#### Figure 8: Day Zero Wizard - Configuration Mode

#### Figure 9: List of Mesh APs

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← Configura	ation	
DHCP		
IP address		
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Configuration N	lode	
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11:11:11:11:11:11:11		+
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		Scan MAC Address
List of Mesh AP's	;	
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Wireless Netwo	orks 😃	>
	Deploy	

**Step 5** Under **Wireless Networks**, tap the + icon to add a network SSID.

#### Figure 10: Day Zero Wizard – Wireless Network Configuration

← Configuration	
General Configuration $^{(1)}$	>
Wireless Networks 🕛	~
× Network 1	+
Network Name*	
Network Type	
🖲 Employee 🔵 Guest	
Security	
Personal	<b>~</b>
Passphrase*	0
Confirm Passphrase*	o
Deploy	
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- **Step 6** In the **Network Name** field, enter a name.
- **Step 7** Under the **Network Type**, tap either the **Employee** or the **Guest** radio button.
- **Step 8** From the **Security** drop-down list, choose the required security type.
  - If you selected **Employee** in the previous step, the available options are **Personal** or **Enterprise**.

The default security type is **Personal**. For more information about configuring **Enterprise** security, see the Configure AAA Server section.

- If you selected Guest in the previous step, the security type is fixed as Consent. Go to Step 11.
- If you selected **Employee** in the previous step, then continue from Step 9.
- **Step 9** In the **Passphrase** field, enter a passcode.
- **Step 10** In the **Confirm Passphrase** field, re-enter the passcode.
- Step 11 Tap Deploy.

A confirmation message is displayed.

**Step 12** (Optional) Tap **Review** to review the configured network settings.

The **Summary** screen is displayed. Here, you can view and edit the **General Configuration** and **Wireless Network** settings.

#### Step 13 Tap Deploy.

A confirmation screen is displayed. Here, you can enter the site name and opt to **Remember** the configured site.

Figure 11: Day Zero Wizard – Confirmation Screen

Configu	iration	
	Configuration is pushe	ed
ſ	Please enter the site nam for future use. Enter site name	le
	Remember •	
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## **Feedback and Support**

To submit feedback or to receive support for the Cisco Catalyst Wireless mobile application, write to catalyst-wireless-app-feedback@external.cisco.com.