

# Configure Captive Portal on your Wireless Access Point Using the Setup Wizard

## Objective

Captive Portal is a feature on your Wireless Access Point that allows you to set up a guest network where wireless users need to be authenticated first before they can have access to the Internet. It provides wireless access to your visitors while maintaining the security of your internal network.

The objective of this article is to show you how to configure Captive Portal on your Wireless Access Point using the Setup Wizard.

## Applicable Devices

- WAP131
- WAP150
- WAP321
- WAP361

## Software Version

- 1.0.2.8 — WAP131
- 1.0.1.7 — WAP150, WAP361
- 1.0.6.5 — WAP321

## Configure Captive Portal

### Configure Captive Portal Using the Setup Wizard

**Note:** The images below are taken from WAP150. These images may vary depending on the exact model of your Access Point.

Step 1. Log in to your access point web-based utility and choose **Run Setup Wizard** from the navigation pane.



Step 2. Keep clicking **Next** until you get to the Enable Captive Portal – Create Your Guest Network screen.

**Enable Captive Portal - Create Your Guest Network**

Use Captive Portal to set up a guest network, which means that wireless users need to be authenticated before they can access the Internet. For example, a hotel can create a guest network to redirect new wireless users to a page for authentication.

Do you want to create your guest network now?

Yes

No, thanks.

[? Learn more about captive portal guest networks](#)

Click **Next** to continue

Back Next Cancel

Step 3. Click the **Yes** radio button to create the guest network then click **Next**.

**Enable Captive Portal - Create Your Guest Network**

Use Captive Portal to set up a guest network, which means that wireless users need to be authenticated before they can access the Internet. For example, a hotel can create a guest network to redirect new wireless users to a page for authentication.

Do you want to create your guest network now?

Yes

No, thanks.

[? Learn more about captive portal guest networks](#)

Click **Next** to continue

Back Next Cancel

Step 4. Click the radio button for the Radio band where you want to create the guest network.

**Enable Captive Portal - Name Your Guest Network**

Your guest network needs a new name, known as an SSID. The name identifies your guest network so that wireless users can find it.

Enter a name for your guest network:

Radio:

Radio 1 (2.4 GHz)

Radio 2 (5 GHz)

Guest Network name:

For example: MyGuestNetwork

**Note:** In this example, Radio 1 (2.4 GHz) is chosen.

Step 5. Create a name for the guest network in the *Guest Network name* field then click **Next**

**Enable Captive Portal - Name Your Guest Network**  
Your guest network needs a new name, known as an SSID. The name identifies your guest network so that wireless users can find it.

Enter a name for your guest network:

Radio:  Radio 1 (2.4 GHz)  
 Radio 2 (5 GHz)

Guest Network name:   
For example: MyGuestNetwork

[? Learn more about network names](#)

Click **Next** to continue

Back Next Cancel

**Note:** In this example, ForTheGuests is used as the guest network name.

Step 6. Click a radio button to choose a type of security you want to use on the guest network. The options are:

- **Best Security (WPA2 Personal - AES)** — Provides the best security and is recommended if your wireless devices support this option. WPA2 Personal uses Advanced Encryption Standard (AES) and a Pre-Shared Key (PSK) between the clients and the access point. It uses a new encryption key for each session, which makes it difficult to compromise.
- **Better Security (WPA/WPA2 Personal - TKIP/AES)** — Provides security when there are older wireless devices that do not support WPA2. WPA Personal uses AES and Temporal Key Integrity Protocol (TKIP). It uses IEEE 802.11i Wi-Fi Standard.
- **No Security (Not recommended)** — The wireless network does not require a password and can be accessed by anyone. If chosen, a pop-up window will appear asking if you want to disable security; click **Yes** to continue. If this option is chosen, skip to

**Enable Captive Portal - Secure Your Guest Network**  
Select your network security strength.

**Best Security (WPA2 Personal - AES)**  
Recommended for new wireless computers and devices that support this option.  
Older wireless devices might not support this option.

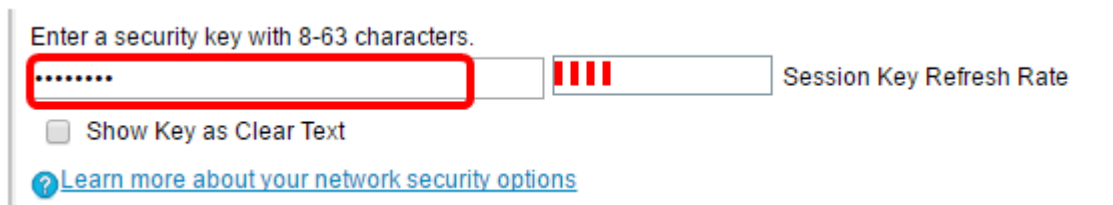
**Better Security (WPA/WPA2 Personal - TKIP/AES)**  
Recommended for older wireless computers and devices that might not support WPA2.

**No Security (Not recommended)**

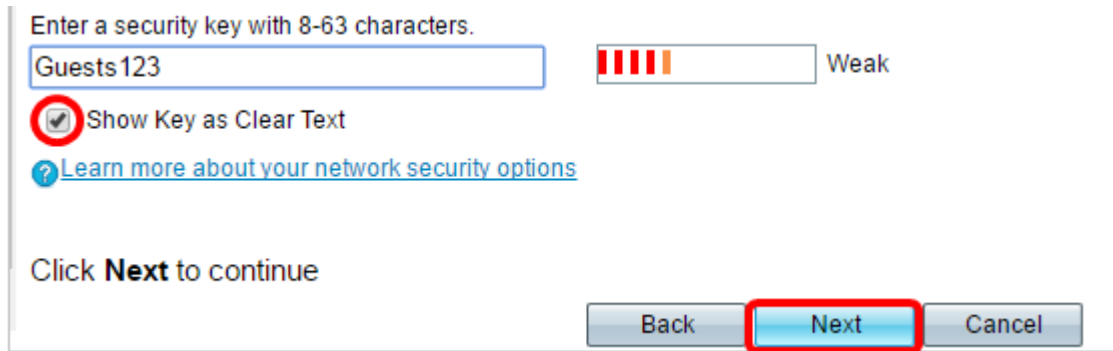
**Note:** In this example, Better Security (WPA/WPA2 Personal - TKIP/AES) is chosen.

Step 7. Create a password for the guest network in the field provided. The colored bar to the

right of this field shows the complexity of the entered password.

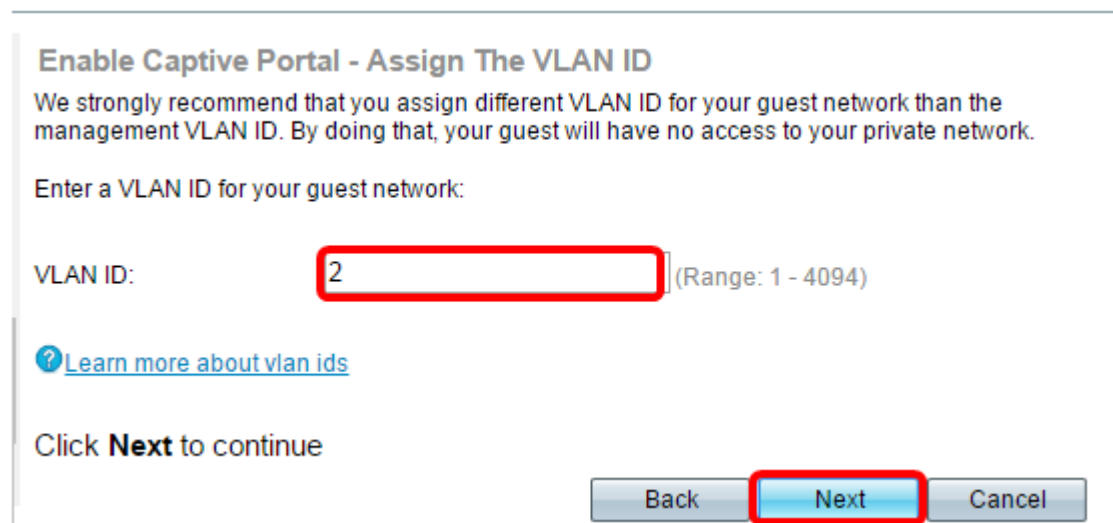


Step 8. (Optional) To see the password as you type, check the **Show Key as Clear Text** check box then click **Next**.



Step 9. In the Enable Captive Portal – Assign The VLAN ID area, enter the VLAN ID for the guest network then click **Next**. The VLAN ID range is from 1-4094.

**Note:** For WAP131 and WAP361, you need to choose the VLAN ID from the drop-down list.



**Note:** In this example, VLAN ID 2 is used.

Step 10. (Optional) In the Enable Captive Portal – Enable Redirect URL screen, check the **Enable Redirect URL** check box if you have a specific web page you want to show after users accept the terms of service from the welcome page.



Step 11. Enter the URL in the *Redirect URL* field then click **Next**.

**Enable Captive Portal - Enable Redirect URL**

If you enable a redirect URL, when new wireless users have completed the authentication process, they can be redirected to an alternate startup page.

Enable Redirect URL

Redirect URL :

[? Learn more about redirect urls](#)

Click **Next** to continue

Step 12. Check your configured settings in the Summary – Confirm Your Settings screen. If you would like to change a setting, click the **Back** button until the desired page is reached. Otherwise, click **Submit** to enable your settings on the WAP.

**Summary - Confirm Your Settings**

Security Key:	
VLAN ID:	1

Radio 2 (5 GHz)

Network Name (SSID):	ciscosb
Network Security Type:	plain-text
Security Key:	
VLAN ID:	1

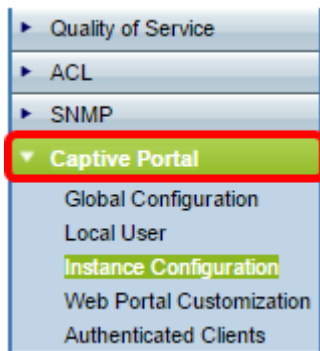
Captive Portal (Guest Network) Summary

Guest Network Radio:	Radio 1
Network Name (SSID):	ForTheGuests
Network Security Type:	WPA/WPA2 Personal - TKIP/AES
Security Key:	Guests123
Verification:	Guest
Redirect URL:	http://MyWebsite.com

Click **Submit** to enable settings on your Cisco Wireless Access Point

## Verify Captive Portal Settings

Step 13. Log in to the web-based utility and choose **Captive Portal > Instance Configuration**.



Step 14. In the Instance Configuration page, verify the settings you have configured in the Setup Wizard and make sure it is associated to the correct Virtual Access Point (VAP) or network. The guest network name should also show.

A screenshot of the Captive Portal Instance Configuration page. The settings are: Administrative Mode:  Enable; Protocol: HTTP; Verification: Guest; Redirect:  Enable; Redirect URL: http://MyWebsite.com (Range: 0 - 256 Characters); Away Timeout: 60 (Range: 0 - 1440 Min, Default: 60); Session Timeout: 0 (Range: 0 - 1440 Min, Default: 0); Maximum Bandwidth Upstream: 0 (Range: 0 - 300 Mbps, Default: 0); Maximum Bandwidth Downstream: 0 (Range: 0 - 300 Mbps, Default: 0); Associate VAP (2.4 GHz): VAP 1 (ForTheGuests) (highlighted with a red box); Associate VAP (5 GHz): (empty dropdown).

Step 15. Click .

You should now have successfully configured Captive Portal on your Cisco Wireless Access Point.

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