Configure Captive Portal on a WAP571 or WAP571E

Objective

A Captive Portal (CP) allows you to restrict access to your wireless network until wireless users have been verified. When a user opens a web browser, they are redirected to a login page where they must enter their username and password. Two types of users can be authorized to access your network; authenticated users, and guests. Authenticated users must provide a username and password that matches either a local database, or the database of a RADIUS server. Guests do not need to provide a username or password.

This article explains how to configure captive portal on your Wireless Access Point (WAP).

Applicable Devices

- WAP500 Series - WAP571, WAP571E

Software Version

- 1.0.0.15 - WAP571, WAP571E

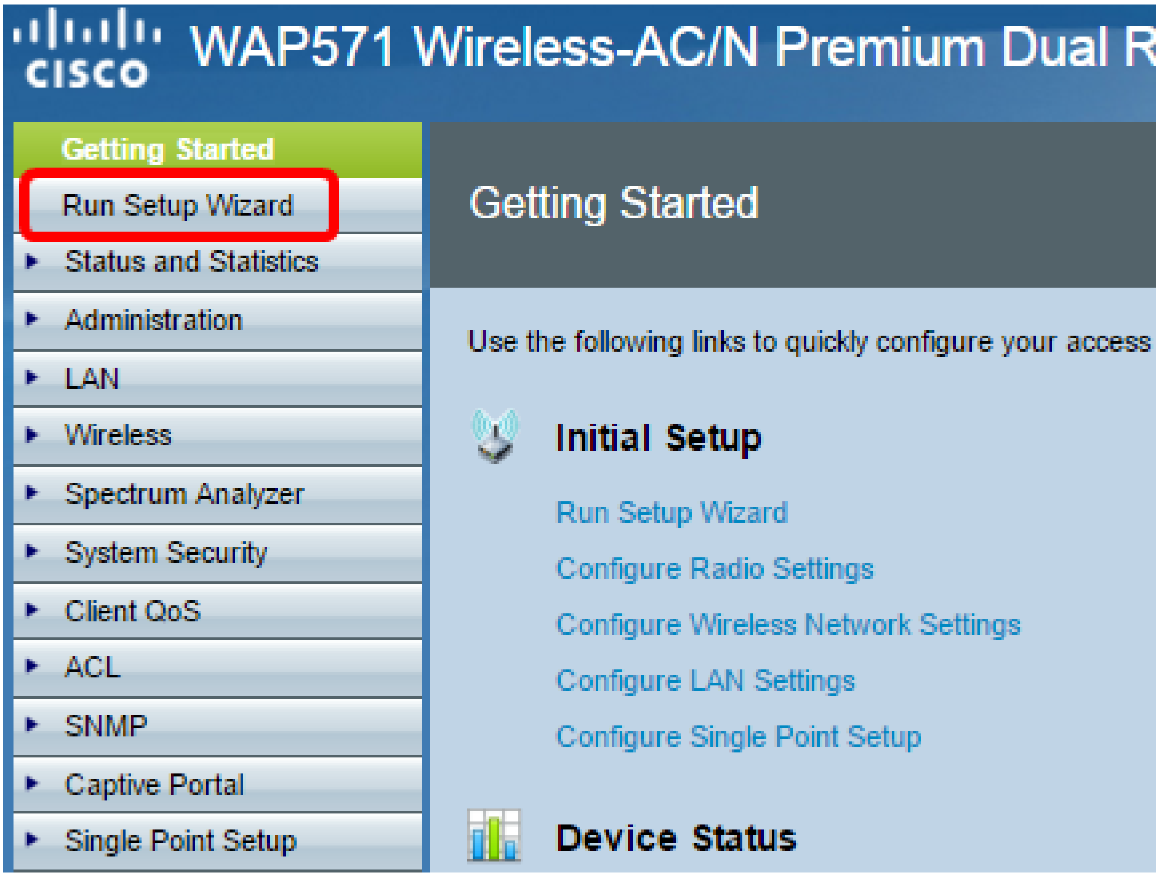
Configure Captive Portal

The basic settings of the Captive Portal can be set up through the setup wizard, while the advanced settings can be configured through the web-based utility. For fast and basic setup, you can use the setup wizard to enable the feature. See steps below:

Note: The images below are captured from WAP571.

Using the Setup Wizard

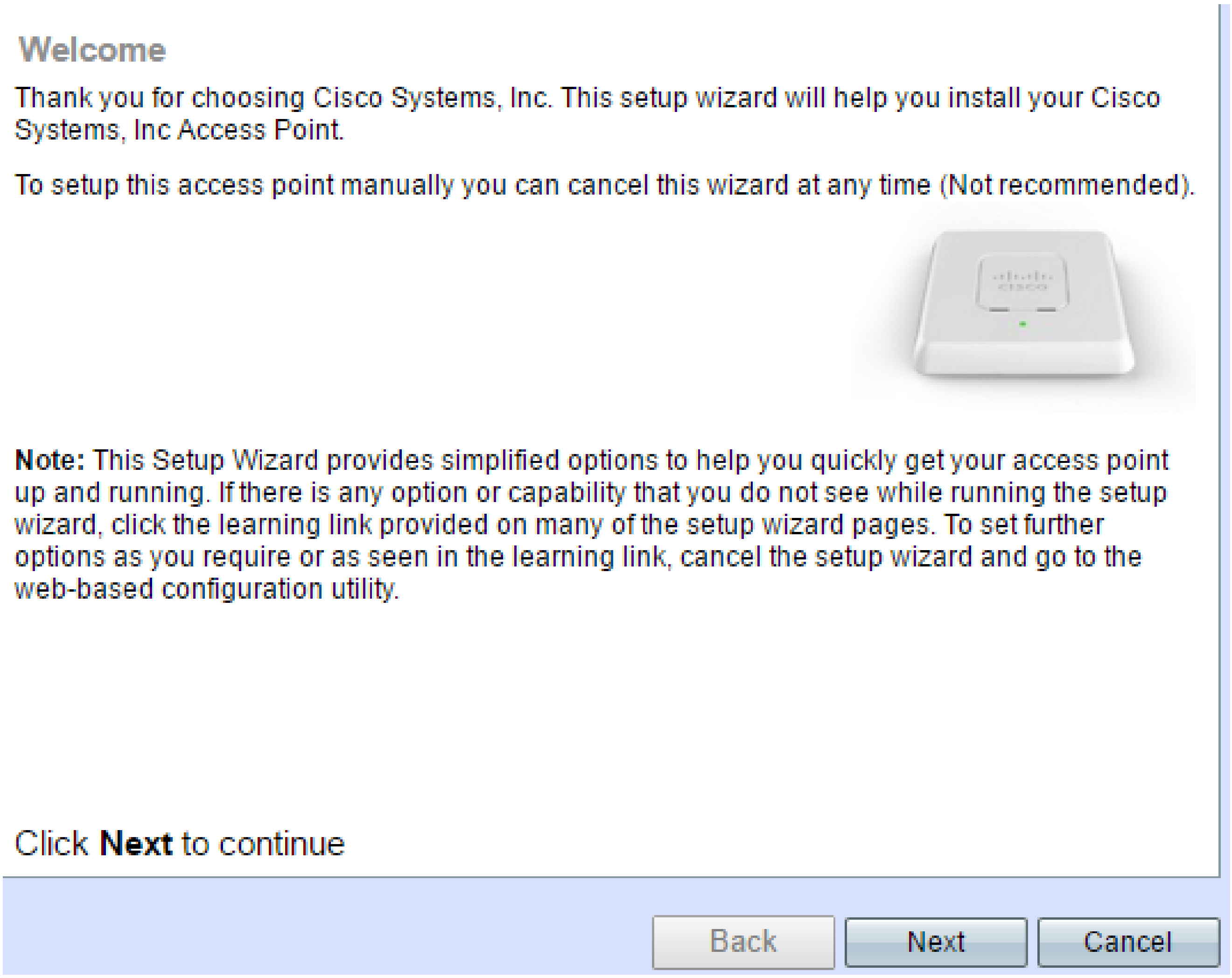
Step 1. Log in to the web-based utility and then click **Run Setup Wizard**.



Use the following links to quickly configure your access

Note: If this is the first time you are setting up your WAP, the setup wizard will automatically pop-up.

Step 2. Follow the instructions in the setup wizard screens. For a step-by-step configuration of your WAP using the setup wizard, click here for instructions.



Welcome

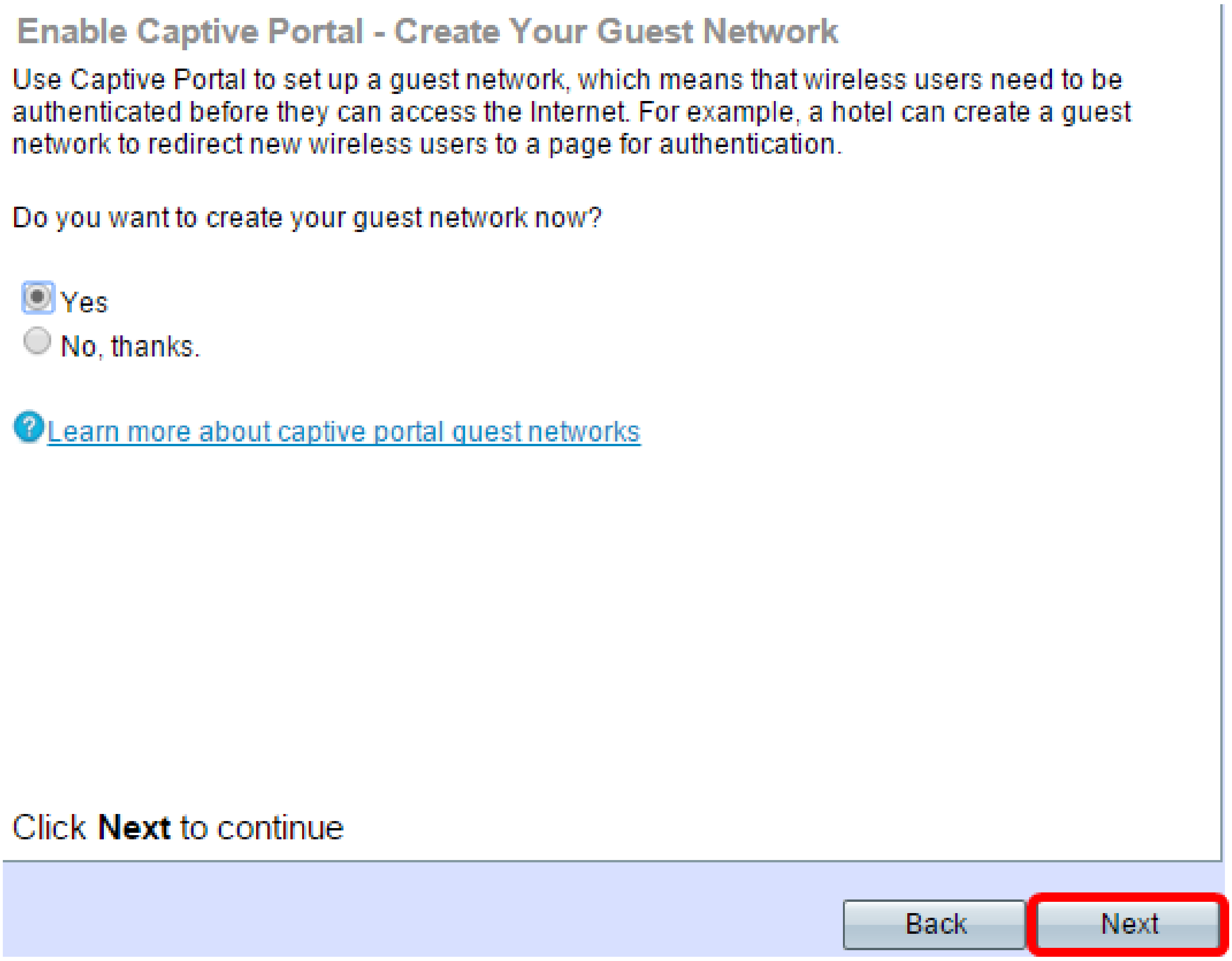
Thank you for choosing Cisco Systems, Inc. This setup wizard will help you install your Cisco Systems, Inc Access Point.

To setup this access point manually you can cancel this wizard at any time (Not recommended).

Note: This Setup Wizard provides simplified options to help you quickly get your access point up and running. If there is any option or capability that you do not see while running the setup wizard, click the learning link provided on many of the setup wizard pages. To set further options as you require or as seen in the learning link, cancel the setup wizard and go to the web-based configuration utility.

Click **Next** to continue

Step 3. Once the Enable Captive Portal – Create Your Guest Network screen appears, choose **Yes** 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?

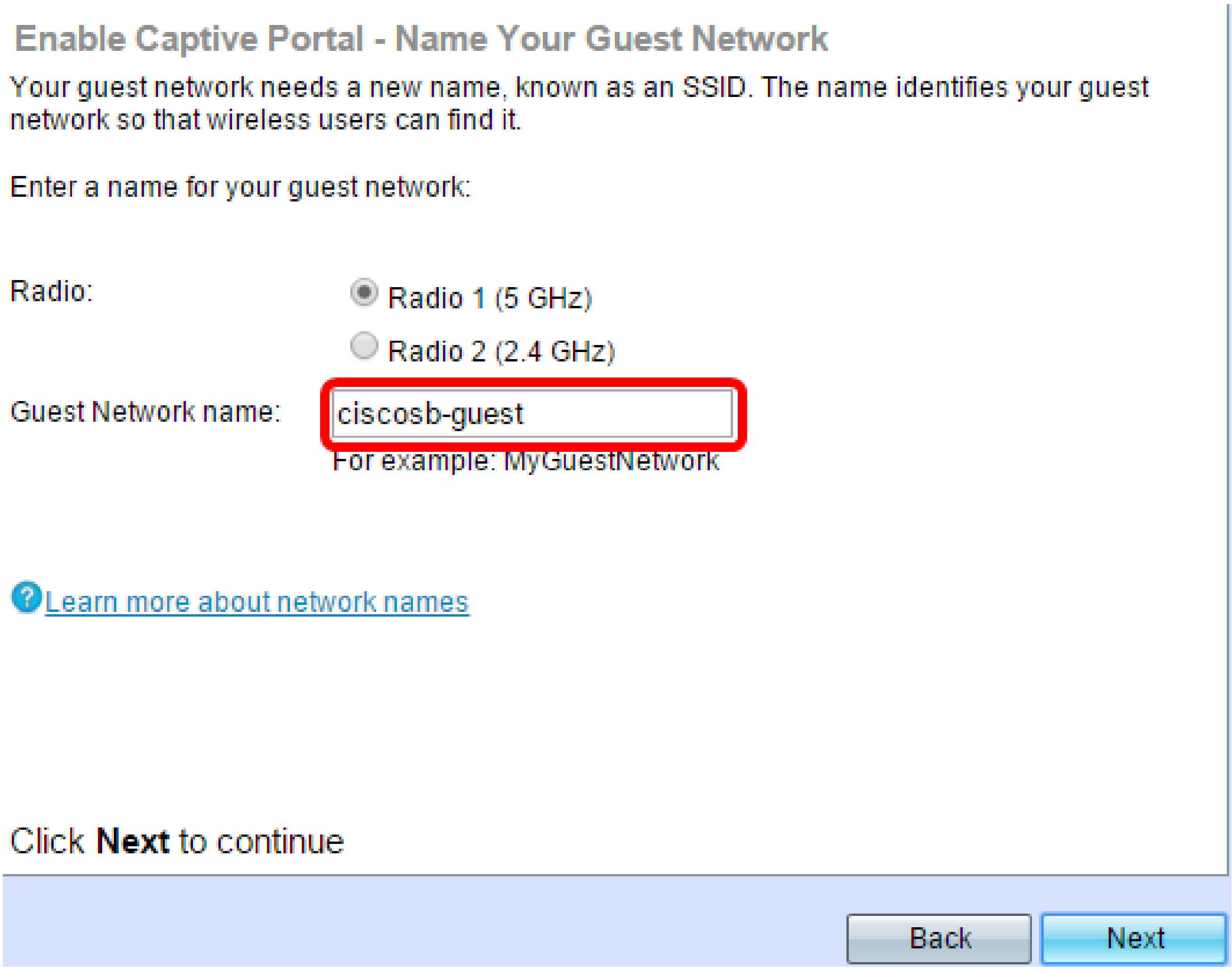
● Yes
○ No, thanks.

Learn more about captive portal guest networks

Click **Next** to continue

Step 4. Enter the guest network name then click **Next**.

Note: The default Guest Network Name is ciscosb-guest.



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 (5 GHz)
○ Radio 2 (2.4 GHz)

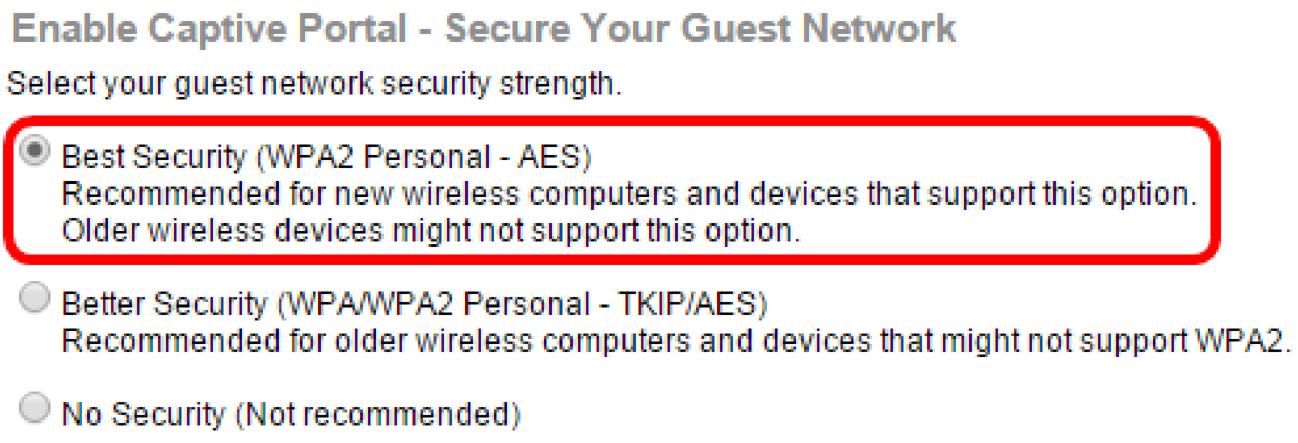
Guest Network name: ciscosb-guest
For example: MyGuestNetwork

Learn more about network names

Click **Next** to continue

Step 5. Choose a security type for your wireless guest network.

Note: Best security (WPA2 Personal - AES) is chosen as an example below.



Enable Captive Portal - Secure Your Guest Network

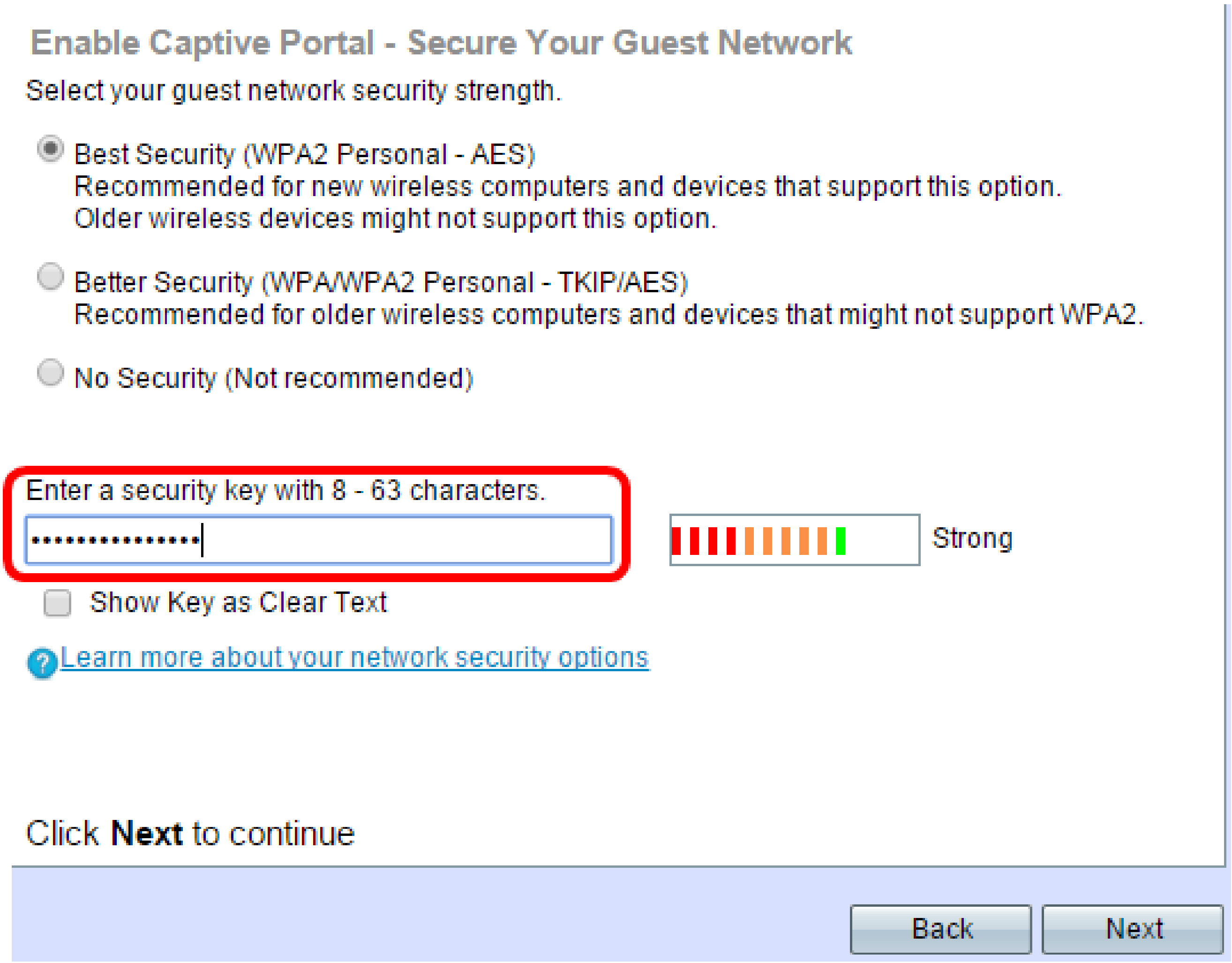
Select your guest network security strength.

● 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)

Step 6. Enter your security key then click **Next**.



Enable Captive Portal - Secure Your Guest Network

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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)

Enter a security key with 8 - 63 characters.

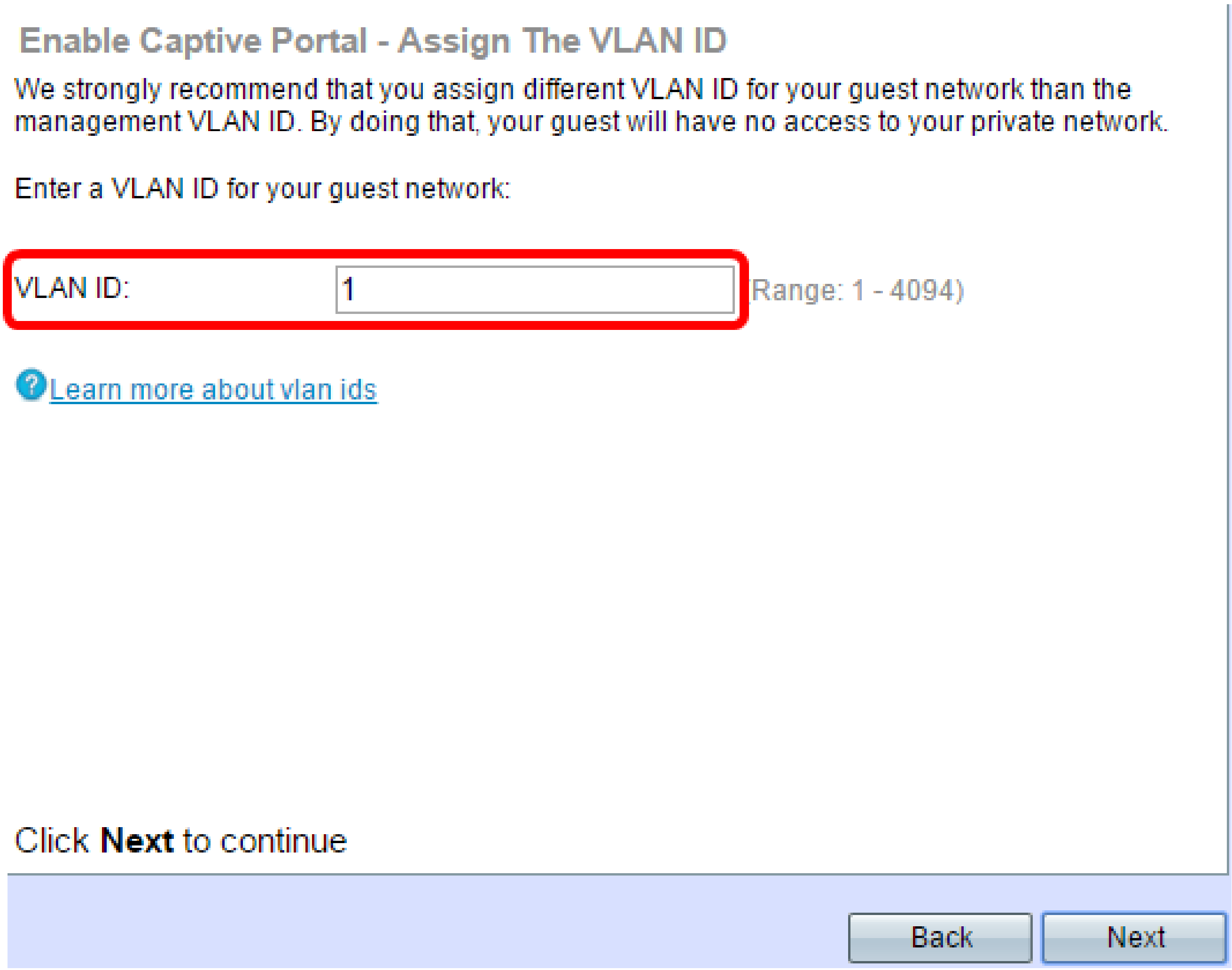
•••••••••••••••• Strong

□ Show Key as Clear Text

Learn more about your network security options

Click **Next** to continue

Step 7. Enter a VLAN ID for your guest network then click **Next**.



Enable Captive Portal - Assign The VLAN ID

We strongly recommend that you assign different VLAN ID for your guest network than the management VLAN ID. By doing that, your guest will have no access to your private network.

Enter a VLAN ID for your guest network:

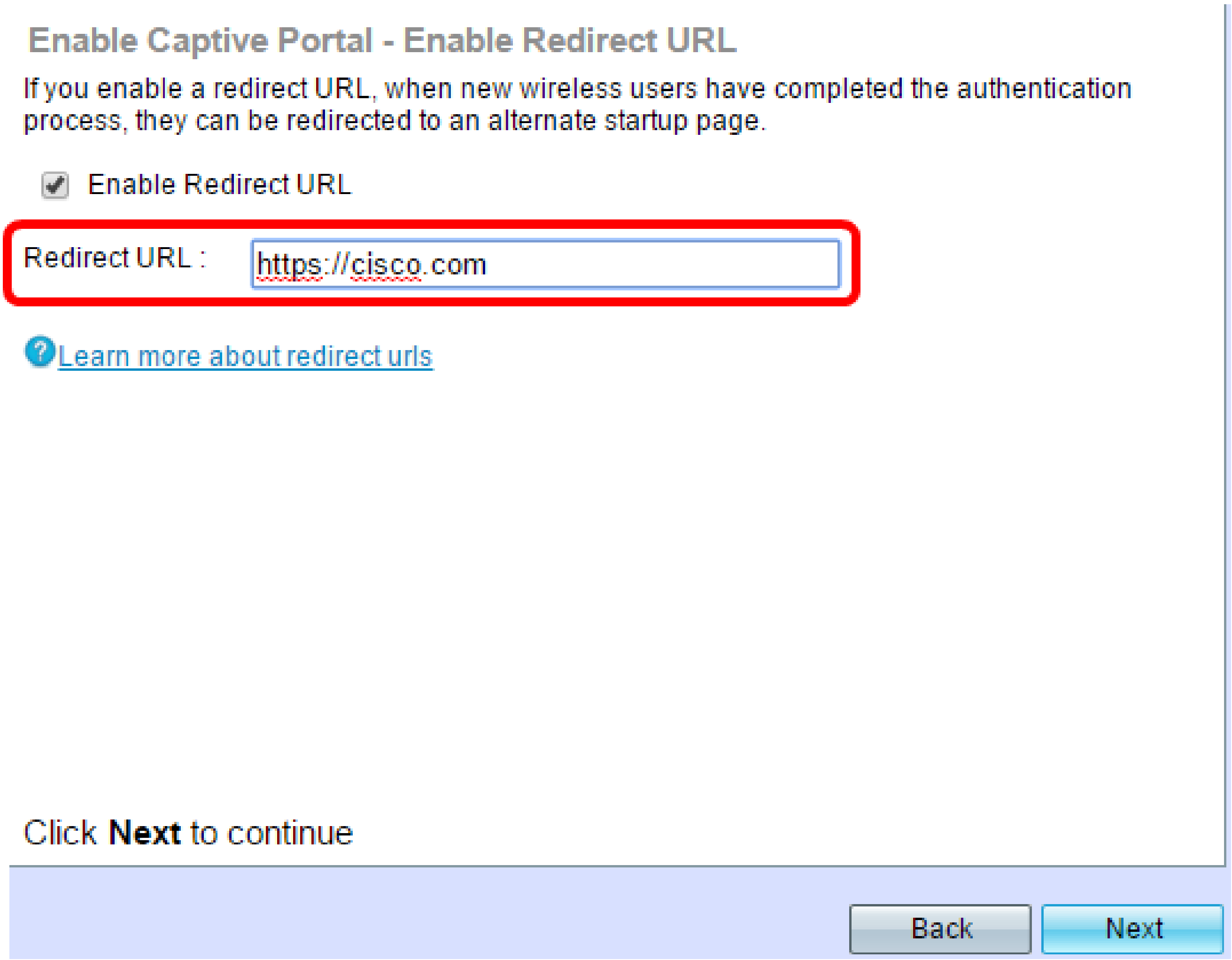
VLAN ID: 1 Range: 1 - 4094)

Learn more about vlan ids

Click **Next** to continue

Step 8. (Optional) If you have a specific web page you want to show after users accept the terms of service from the welcome page, check the **Enable Redirect URL** check box. Enter the URL and then click **Next**.

Note: The URL can be your company website.



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.

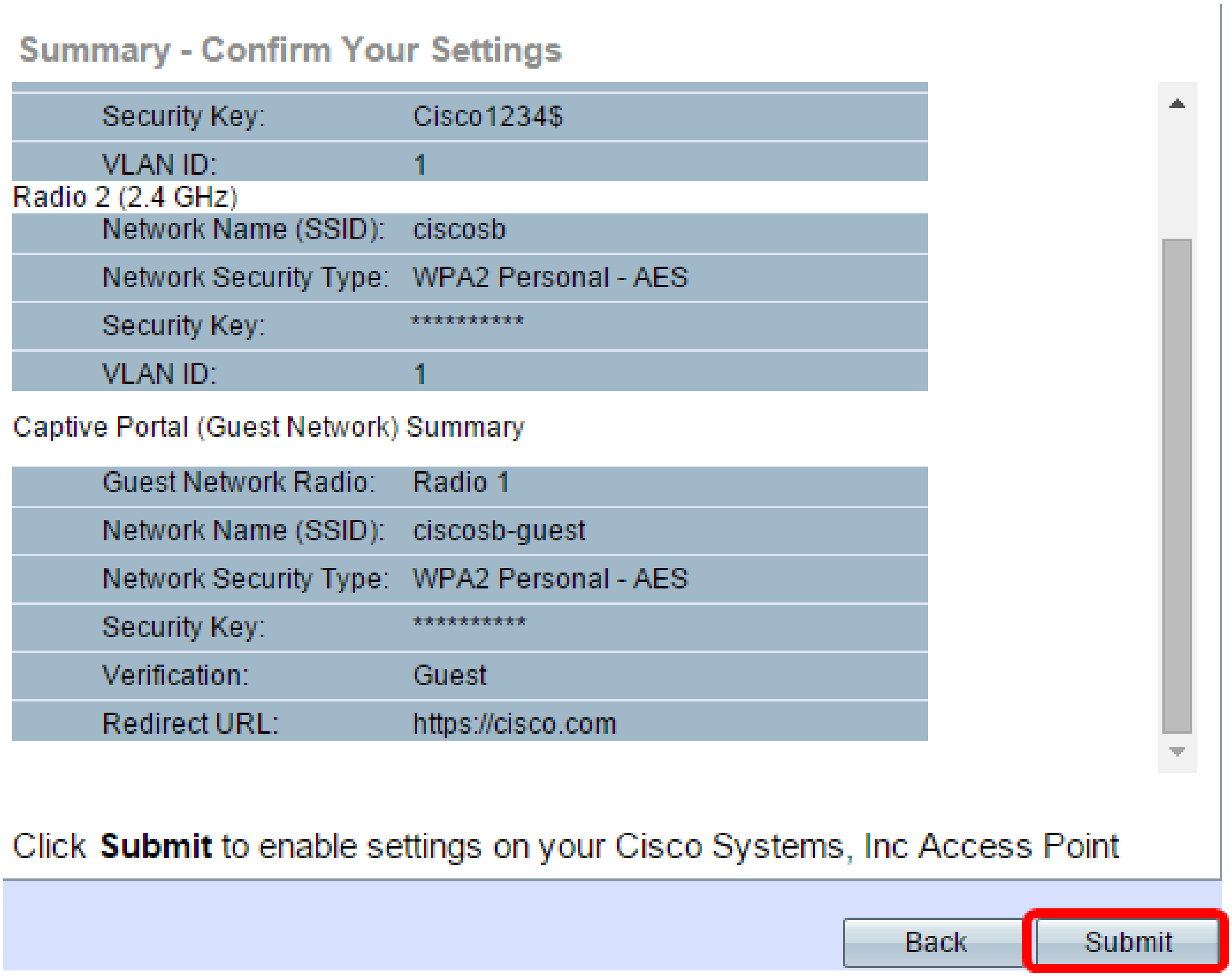
☑ Enable Redirect URL

Redirect URL : https://cisco.com

Learn more about redirect urls

Click **Next** to continue

Step 9. Review and confirm your settings and then click **Submit**.



Summary - Confirm Your Settings

Security Key:	Cisco1234$
VLAN ID:	1

Radio 2 (2.4 GHz)

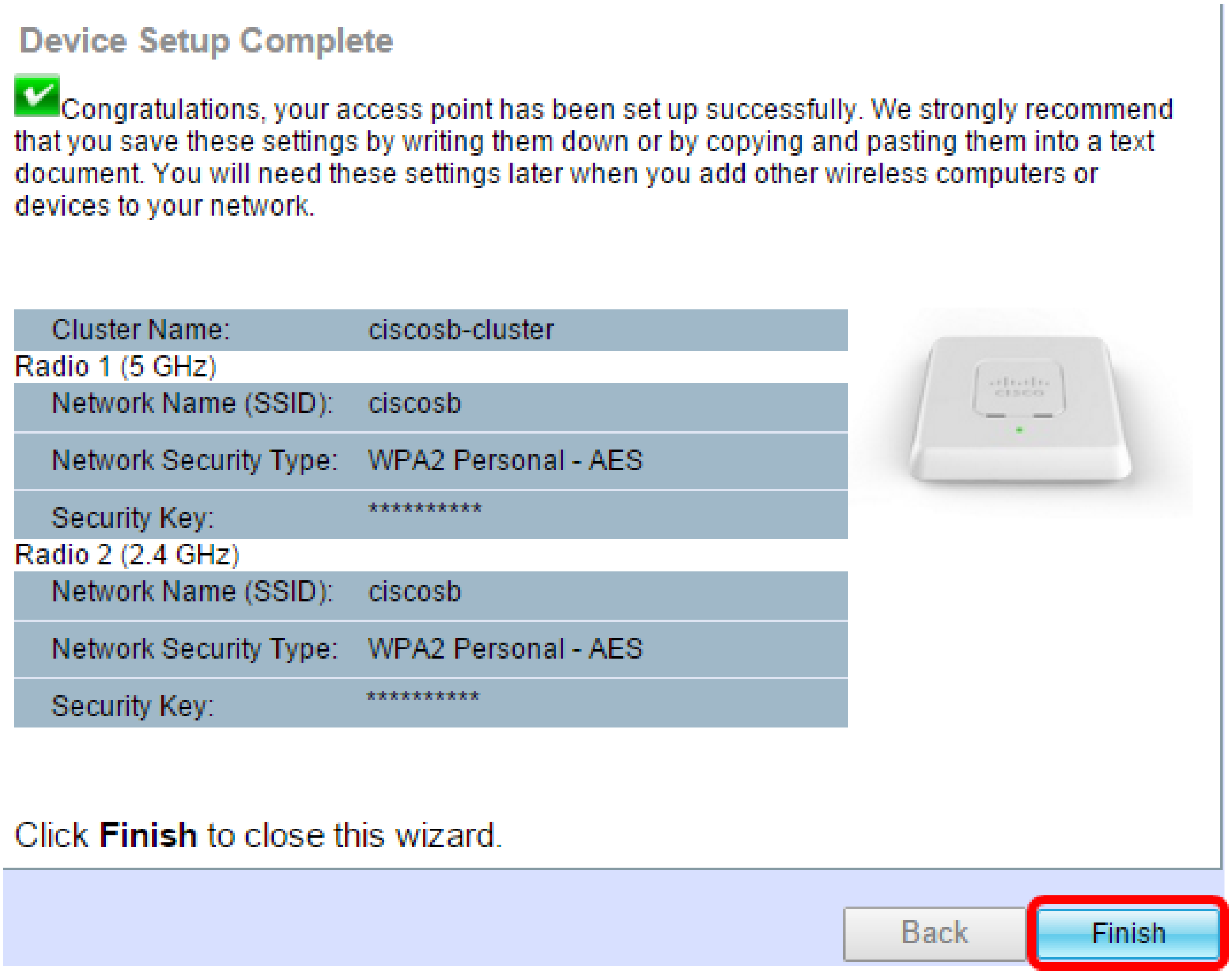
Network Name (SSID):	ciscosb
Network Security Type:	WPA2 Personal - AES
Security Key:	**********
VLAN ID:	1

Captive Portal (Guest Network) Summary

Guest Network Radio:	Radio 1
Network Name (SSID):	ciscosb-guest
Network Security Type:	WPA2 Personal - AES
Security Key:	**********
Verification:	Guest
Redirect URL:	https://cisco.com

Click **Submit** to enable settings on your Cisco Systems, Inc Access Point

Step 10. Once the Device Setup Complete screen appears, click **Finish** to close the setup wizard.



Device Setup Complete

✓ Congratulations, your access point has been set up successfully. We strongly recommend that you save these settings by writing them down or by copying and pasting them into a text document. You will need these settings later when you add other wireless computers or devices to your network.

Cluster Name:	ciscosb-cluster
Radio 1 (5 GHz)	
Network Name (SSID):	ciscosb
Network Security Type:	WPA2 Personal - AES
Security Key:	**********
Radio 2 (2.4 GHz)	
Network Name (SSID):	ciscosb
Network Security Type:	WPA2 Personal - AES
Security Key:	**********

Click **Finish** to close this wizard.

You should now have configured the basic settings of the Captive Portal feature of your WAP.

Using the Web-based Utility

To configure the advanced settings of the captive portal on the WAP, you must follow several steps:

Globally Enable the Captive Portal — This allows captive portals to take effect.

Create a Captive Portal Instance — A captive portal instance is a set of parameters that controls how a user logs on to a virtual access point (VAP).

Associate a Captive Portal Instance with a VAP — Users who attempt to access the VAP have to follow the parameters that are configured for the instance.

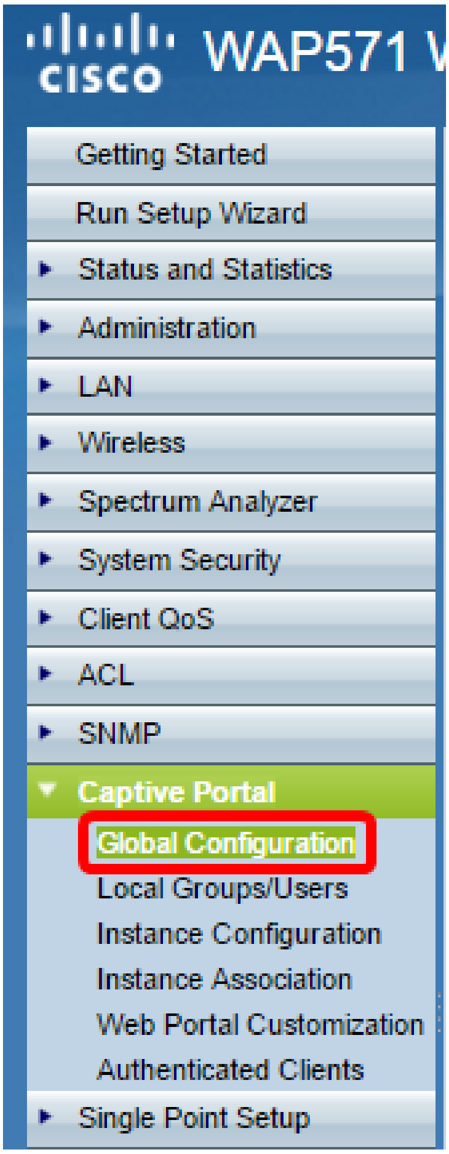
Customize the Web Portal — The web portal is the web page where users are redirected when they attempt to log on to the VAP.

Create Local Group — The local group can be assigned to an instance, which accepts users who belong to that group.

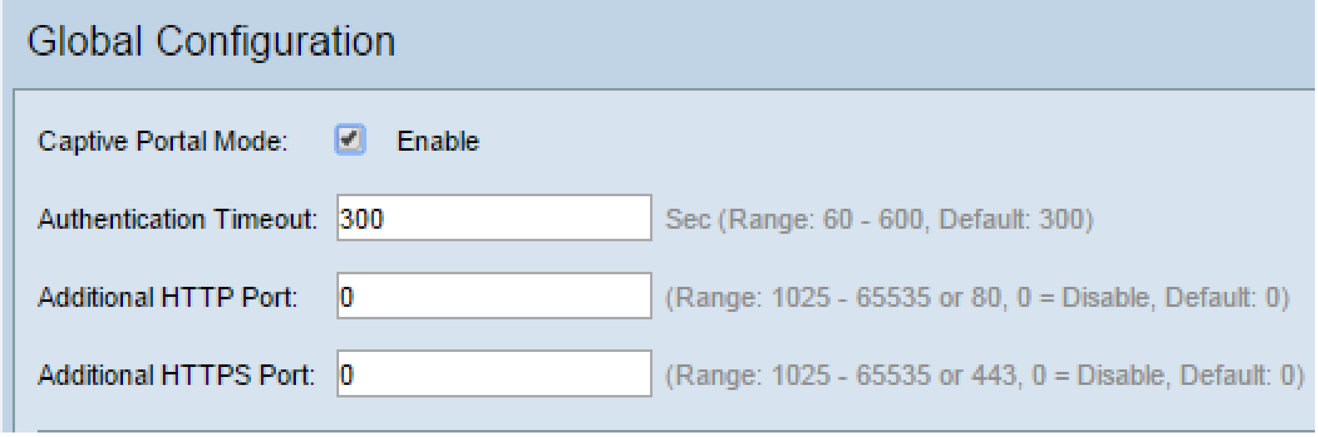
Create Local User — Local users are added to a local group and are allowed to access the captive portal that the group is configured to.

Globally Enable the Captive Portal

Step 1. In the web-based utility, choose **Captive Portal > Global Configuration**.



Step 2. (Optional) Enter the number of seconds that the user has to enter authentication information before the WAP closes the authentication session in the *Authentication Timeout* field.



Global Configuration

Captive Portal Mode: ☑ Enable

Authentication Timeout: 300 Sec (Range: 60 - 600, Default: 300)

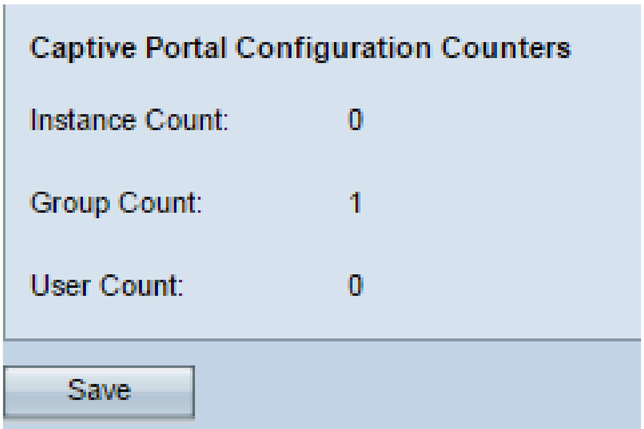
Additional HTTP Port: 0 (Range: 1025 - 65535 or 80, 0 = Disable, Default: 0)

Additional HTTPS Port: 0 (Range: 1025 - 65535 or 443, 0 = Disable, Default: 0)

Step 3. (Optional) If you would like for the HTTP information between the WAP and the client to use a different port besides the default, enter the HTTP port number you would like to add in the *Additional HTTP Port* field. HTTP and other Internet protocols use ports to make sure devices know where to find a certain protocol. The options are 80, between 1025 and 65535, or enter 0 to disable. The HTTP port and HTTPS port cannot be the same.

Step 4. (Optional) If you would like for the HTTP information between the WAP and the client to use a different port besides the default, enter the HTTPS port number you would like to add in the *Additional HTTPS Port* field. The options are 443, between 1025 and 65535, or enter 0 to disable. The HTTP port and HTTPS port cannot be the same.

The following information is displayed in the Captive Portal Configuration Counters area and cannot be configured.



Captive Portal Configuration Counters

Instance Count: 0

Group Count: 1

User Count: 0

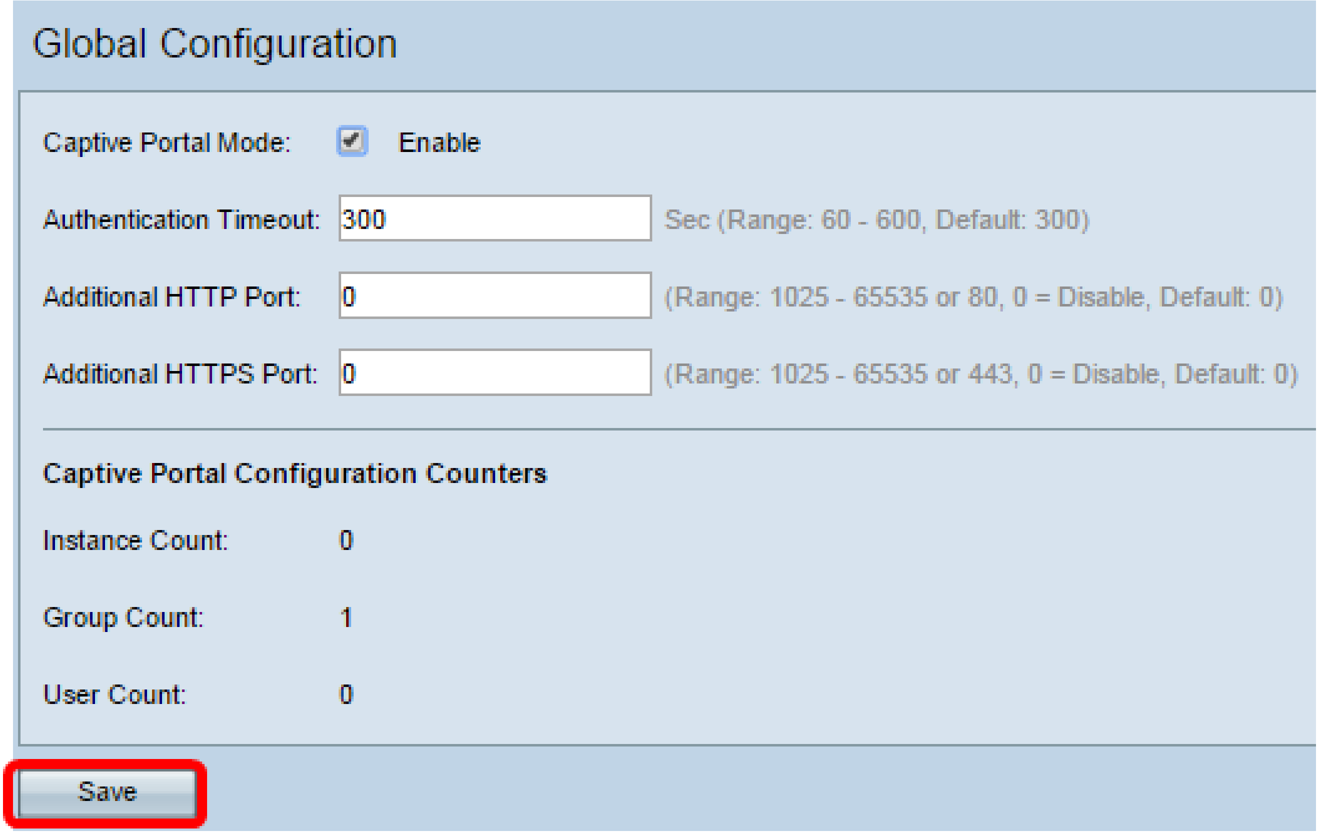
Instance Count — The number of CP instances configured on the WAP device. A maximum of two CPs can be configured on the WAP.

Group Count — The number of CP groups configured on the WAP device. Up to two groups can be configured. The Default Group cannot be deleted.

User Count — The number of CP users configured on the WAP device. A maximum of 128 users can be configured on the WAP.

Step 5. Click **Save**.

Note: The changes are saved to the Startup Configuration.



Global Configuration

Captive Portal Mode: ☑ Enable

Authentication Timeout: 300 Sec (Range: 60 - 600, Default: 300)

Additional HTTP Port: 0 (Range: 1025 - 65535 or 80, 0 = Disable, Default: 0)

Additional HTTPS Port: 0 (Range: 1025 - 65535 or 443, 0 = Disable, Default: 0)

Captive Portal Configuration Counters

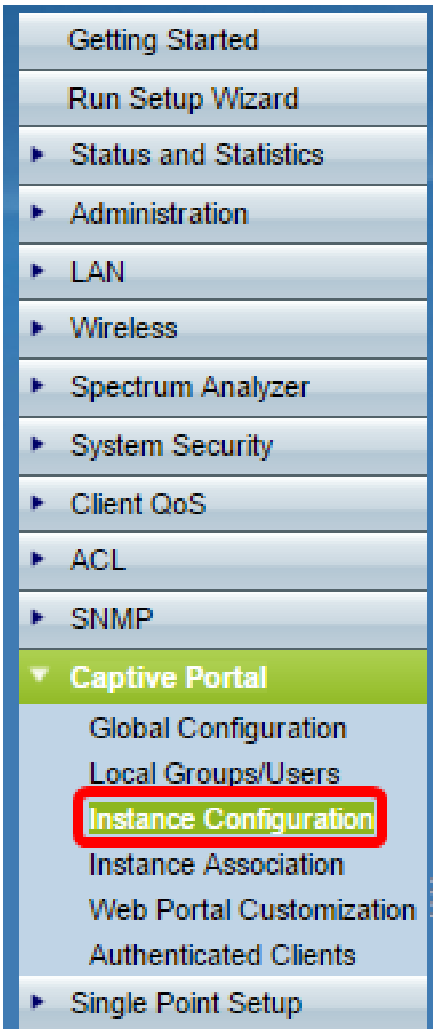
Instance Count: 0

Group Count: 1

User Count: 0

Instance Configuration

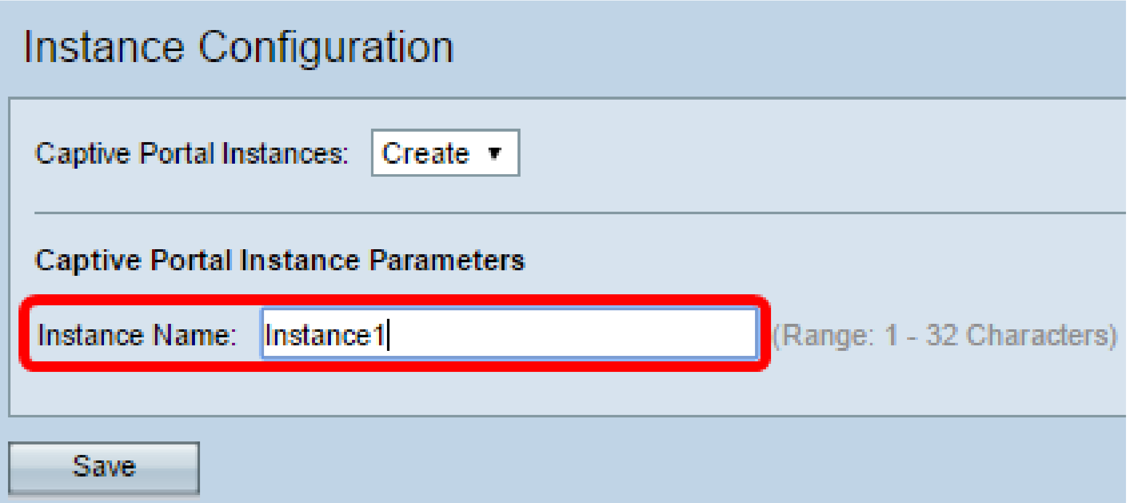
Step 6. In the web-based utility, choose **Captive Portal > Instance Configuration**.



Step 7. In the Captive Portal Instances drop-down list, you should notice the wiz-cp-inst1 instance. You can choose this name or create a new name for your Instance Configuration.

Step 8. (Optional) In the *Instance Name* field, enter a name for the configuration then click **Save**.

Note: In this example, a new instance is created.



Instance Configuration

Captive Portal Instances: Create

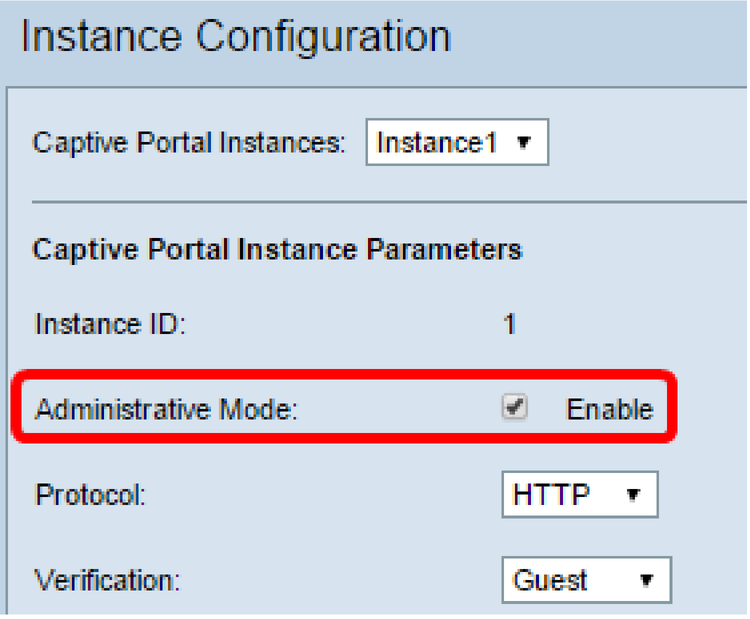
Captive Portal Instance Parameters

Instance Name: Instance1 (Range: 1 - 32 Characters)

Note: You can create a maximum of up to two configurations. If you have already created two instances, you have to choose an instance to edit.

Step 9. The Instance Configuration window displays additional information. The Instance ID is a non-configurable field that shows the instance ID of the current instance.

Step 10. Check the **Enable** check box in the Administrative Mode to enable the CP instance.



Instance Configuration

Captive Portal Instances: Instance1

Captive Portal Instance Parameters

Instance ID: 1

Administrative Mode: ☑ Enable

Protocol: HTTP

Verification: Guest

Step 11. From the Protocol drop-down list, choose the protocol you would like to use for the authentication process.

HTTP —Does not encrypt information used in the authentication process.

HTTPS —Provides encryption for information used in the authentication process.

Note: In this example, HTTP is used.

Step 12. Choose an authentication method for CP to use from the Verification drop-down list.

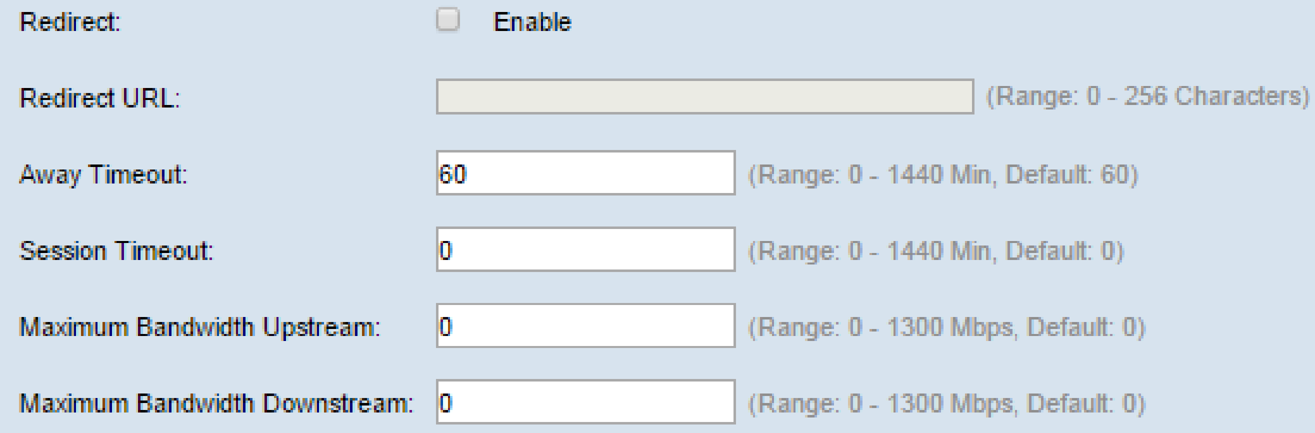
Guest —The user does not need to provide any authentication.

Local —The WAP checks the authentication information provided by the user against a local database that is stored on the WAP.

RADIUS —The WAP checks the authentication information provided by the user against the database of a remote RADIUS server.

Timesaver: If you choose Local or Guest, skip to Step 28.

Step 13. (Optional) If you want to redirect users who are verified to a configured URL, check the **Enable** Redirect check box. If this option is disabled, verified users will see a locale-specific welcome page.



Redirect:	□ Enable	
Redirect URL:		(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 - 1300 Mbps, Default: 0)
Maximum Bandwidth Downstream:	0	(Range: 0 - 1300 Mbps, Default: 0)

Step 14. (Optional) Enter the URL to which you would like to redirect verified users to.

Note: This step is only applicable if you enabled Redirect in Step 13.

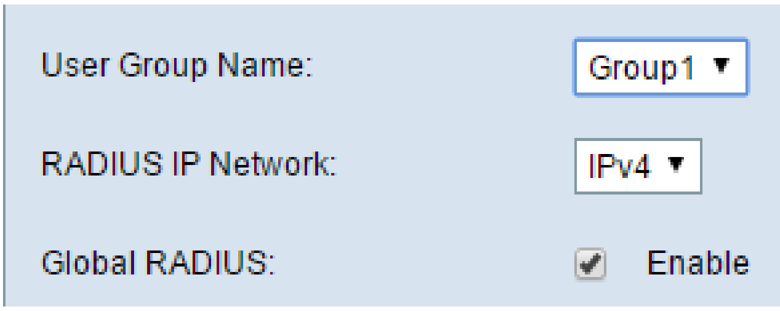
Step 15. In the *Away Timeout* field, enter the amount of time (in minutes) that a user can be disassociated from the WAP and remain on the WAP authenticated client list. If the user is not connected to the WAP for longer then the Away Timeout value, they have to be reauthorized before they can use the WAP.

Step 16. In the *Session Timeout* field, enter the amount of time (in minutes) that the WAP waits before it terminates the session. A value of 0 means the timeout is not enforced.

Step 17. In *the Maximum Bandwidth Upstream* field, enter the maximum upload speed (in Mbps) that a client can send data via the captive portal.

Step 18. In the *Maximum Bandwidth Downstream* field, enter the maximum download speed (in Mbps) that a client can receive data via the captive portal.

Step 19. From the User Group Name drop-down list, choose the group that you wish to assign to the CP instance. Any user that is a member of the group you choose is allowed to access the WAP.



User Group Name:	Group1 ▼
RADIUS IP Network:	IPv4 ▼
Global RADIUS:	☑ Enable

Note: The Verification mode in Step 12 must be either Local or RADIUS to assign a group.

Step 20. From the RADIUS IP Network drop-down list, choose the type of Internet protocol that is used by the RADIUS client.

IPv4 —The address of the RADIUS client will be in the format xxx.xxx.xxx.xxx (192.0.2.10).

IPv6 —The address of the RADIUS client will be in the format xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx (2001:DB8::CAD5:7D91).

Step 21. (Optional) Check the **Enable** Global RADIUS check box if you want to use the global RADIUS server list for authentication. If you want to use a separate set of RADIUS servers, leave the check box unchecked and configure the RADIUS servers on this page.

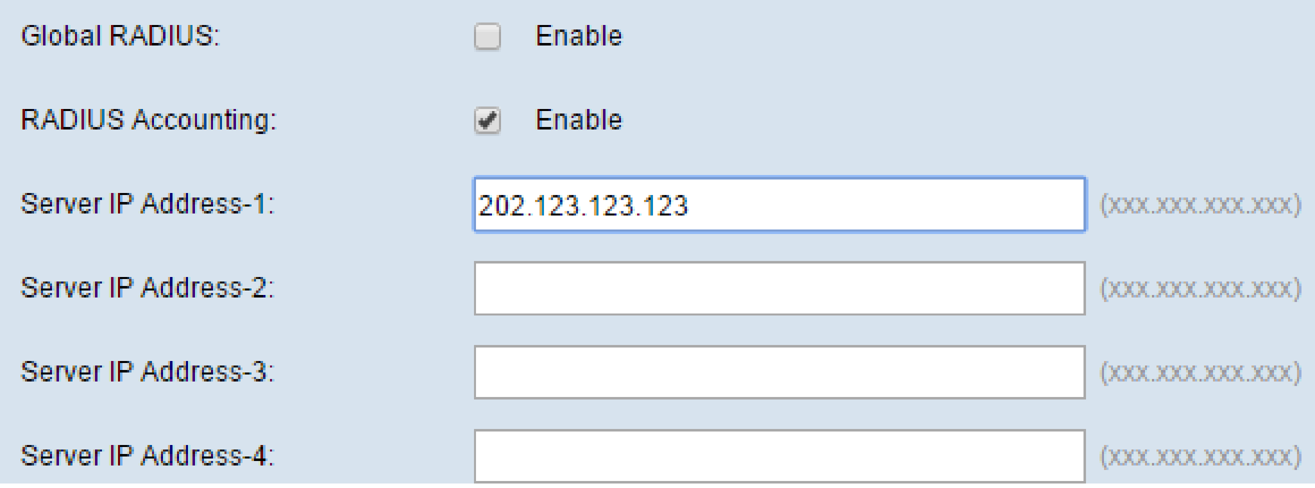
Timesaver: Skip to Step 28 if you enable Global RADIUS.

Note: In this example, Global RADIUS is not enabled.

Step 22. (Optional) Check the **Enable** RADIUS Accounting check box if you want to track and measure the time and data usage of the clients on the WAP network.

Note: If the Global RADIUS check box was enabled in Step 21, you do not need to configure additional RADIUS servers.

Step 23. In the *Server IP Address-1* field, enter the IP address of the RADIUS server which you want to use as the primary server. The IP address should conform with the respective address format of IPv4 or IPv6.



Global RADIUS: □ Enable

RADIUS Accounting: ☑ Enable

Server IP Address-1: 202.123.123.123 (xxx.xxx.xxx.xxx)

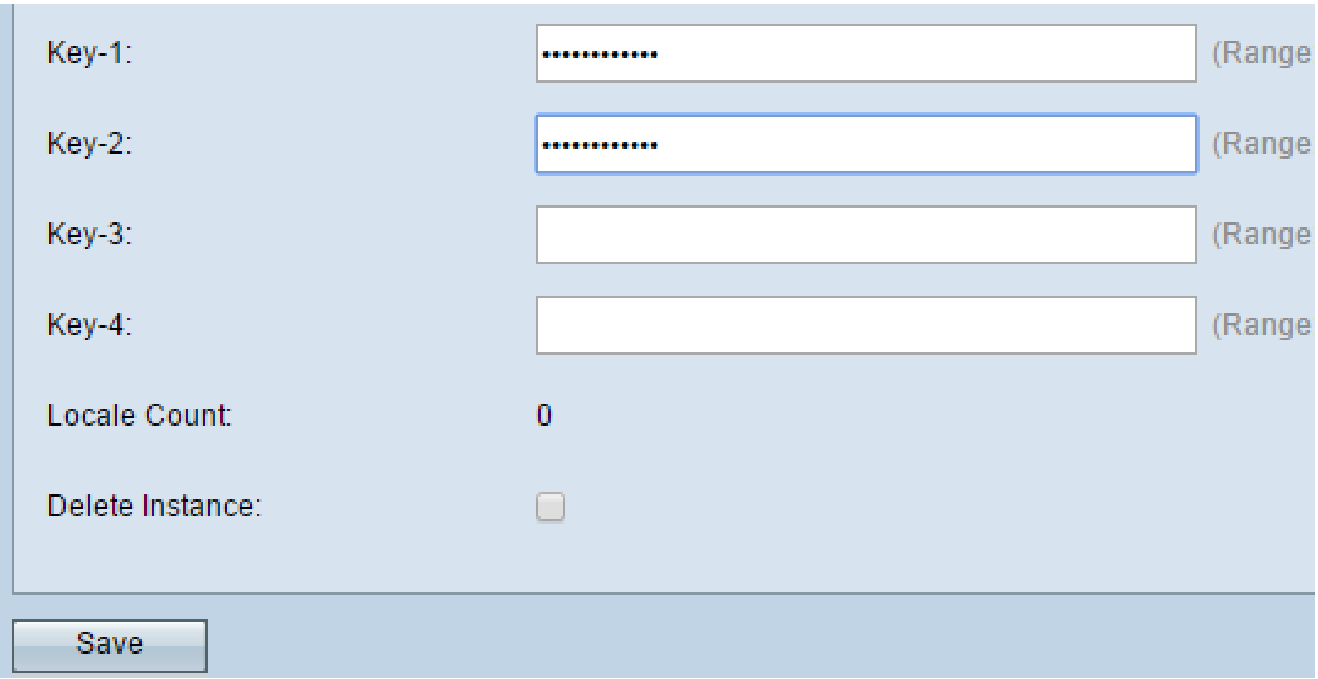
Server IP Address-2: (xxx.xxx.xxx.xxx)

Server IP Address-3: (xxx.xxx.xxx.xxx)

Server IP Address-4: (xxx.xxx.xxx.xxx)

Step 24. (Optional) You can configure up to three backup RADIUS servers which will be checked in sequence until a match is found. If no match is found, the user will be denied access. In the Server IP Address-(2 to 4) fields, enter the IP address of the backup RADIUS servers to use if authentication fails with the primary server.

Step 25. In the *Key-1* field, enter the shared secret key that the WAP device uses to authenticate to the primary RADIUS server. This needs to be the same key that was configured on the RADIUS server.



Key-1:	•••••••••••••	(Range
Key-2:	•••••••••••••	(Range
Key-3:		(Range
Key-4:		(Range
Locale Count:	0	
Delete Instance:	□	

Step 26. In the rest of the Key fields (2-4), enter the shared secret key that the WAP device uses to authenticate to the respective backup RADIUS servers.

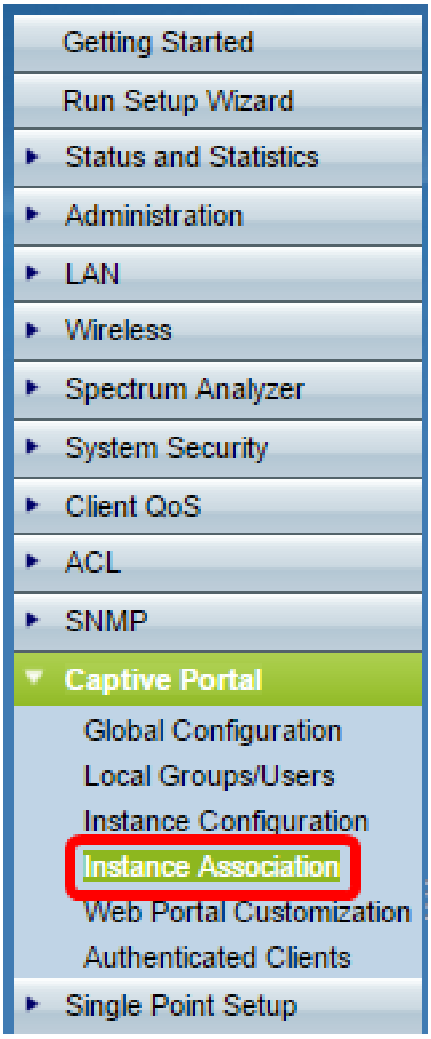
Note: Locale Count is a non-configurable field that displays the number of locales associated with this instance.

Step 27. (Optional) To delete the current instance, check the **Delete Instance** check box.

Step 28. Click **Save**.

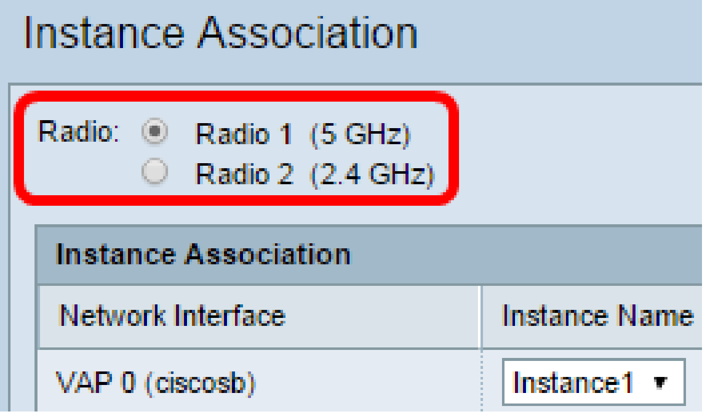
Associate Instance with VAP

Step 29. In the web-based utility, choose **Captive Portal > Instance Association**.



Step 30. Click the radio button of the radio to which you would like to associate an instance in the Radio area.

Note: In this example, Radio 1 (5 GHz) is chosen.


Instance Association

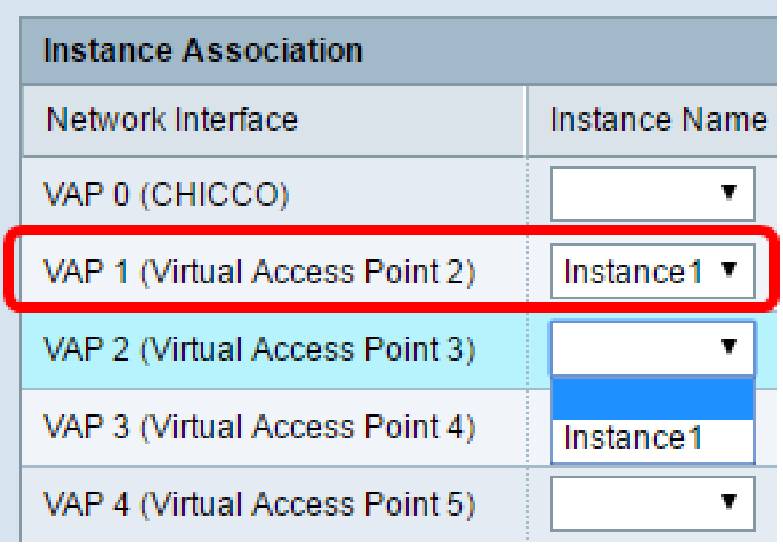
Radio: ● Radio 1 (5 GHz)
○ Radio 2 (2.4 GHz)

Instance Association

Network Interface	Instance Name
VAP 0 (ciscosb)	Instance1 ▼

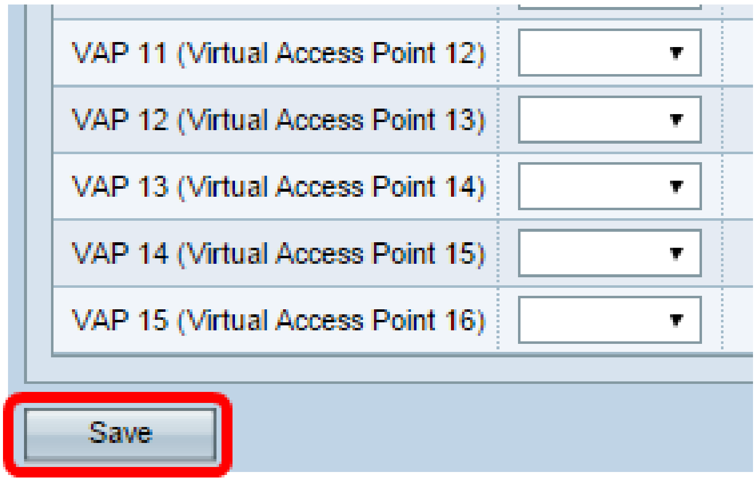
Step 31. Choose an instance configuration from the Instance Name drop-down list to associate with the given VAP.

Note: In this example, the created Instance1 in Step 8 is used for VAP 1 (Virtual Access Point 2).



Instance Association	
Network Interface	Instance Name
VAP 0 (CHICCO)	
VAP 1 (Virtual Access Point 2)	Instance1
VAP 2 (Virtual Access Point 3)	
VAP 3 (Virtual Access Point 4)	
VAP 4 (Virtual Access Point 5)	

Step 32. Click **Save**.

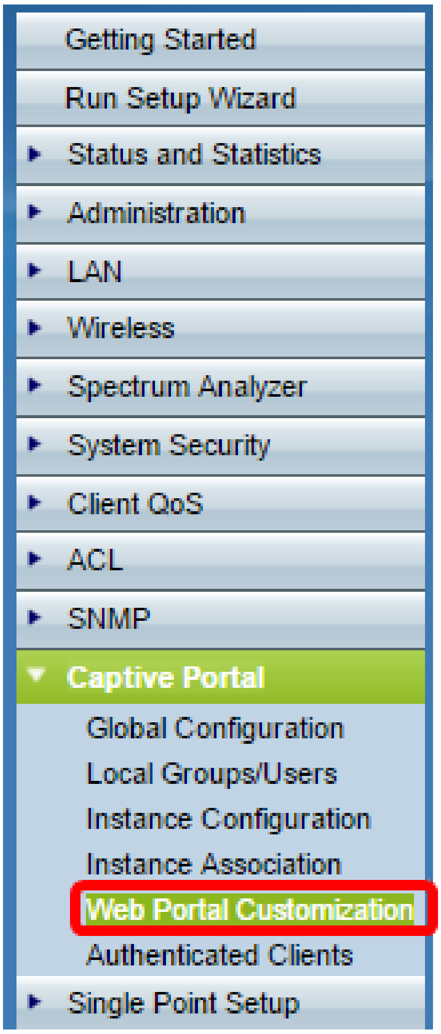


VAP 11 (Virtual Access Point 12)	
VAP 12 (Virtual Access Point 13)	
VAP 13 (Virtual Access Point 14)	
VAP 14 (Virtual Access Point 15)	
VAP 15 (Virtual Access Point 16)	

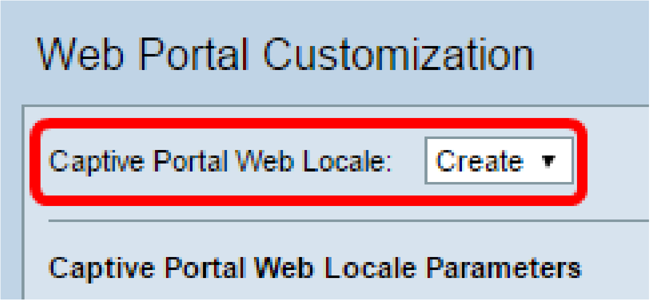
Customize Web Portal

A locale (authentication web page) is the web page that the WAP user sees when they attempt to access the Internet. The Web Portal Customization page allows you to customize a locale and assign it to a captive portal instance.

Step 33. In the web-based utility, choose **Captive Portal > Web Portal Customization**.



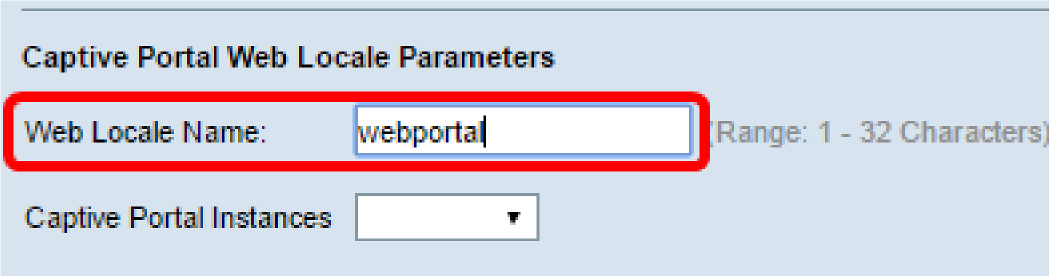
Step 34. Choose **Create** from the Captive Portal Web Locale drop-down list to create a new locale.


Web Portal Customization

Captive Portal Web Locale: Create ▾

Captive Portal Web Locale Parameters

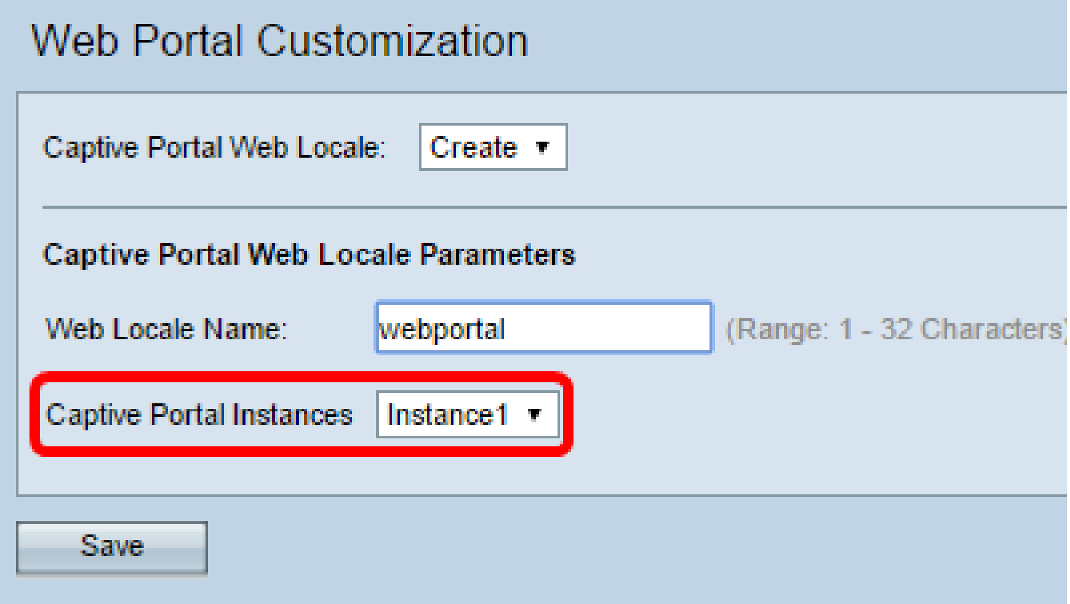
Step 35. Enter the name of the locale in the *Web Locale Name* field.


Captive Portal Web Locale Parameters

Web Locale Name: webportal (Range: 1 - 32 Characters)

Captive Portal Instances ▾

Step 36. Choose a captive portal instance that the locale is associated with from the Captive Portal Instances drop-down list. You may associate multiple locales to a single captive portal instance. The user can click a link to switch to a different locale.



Web Portal Customization

Captive Portal Web Locale: Create

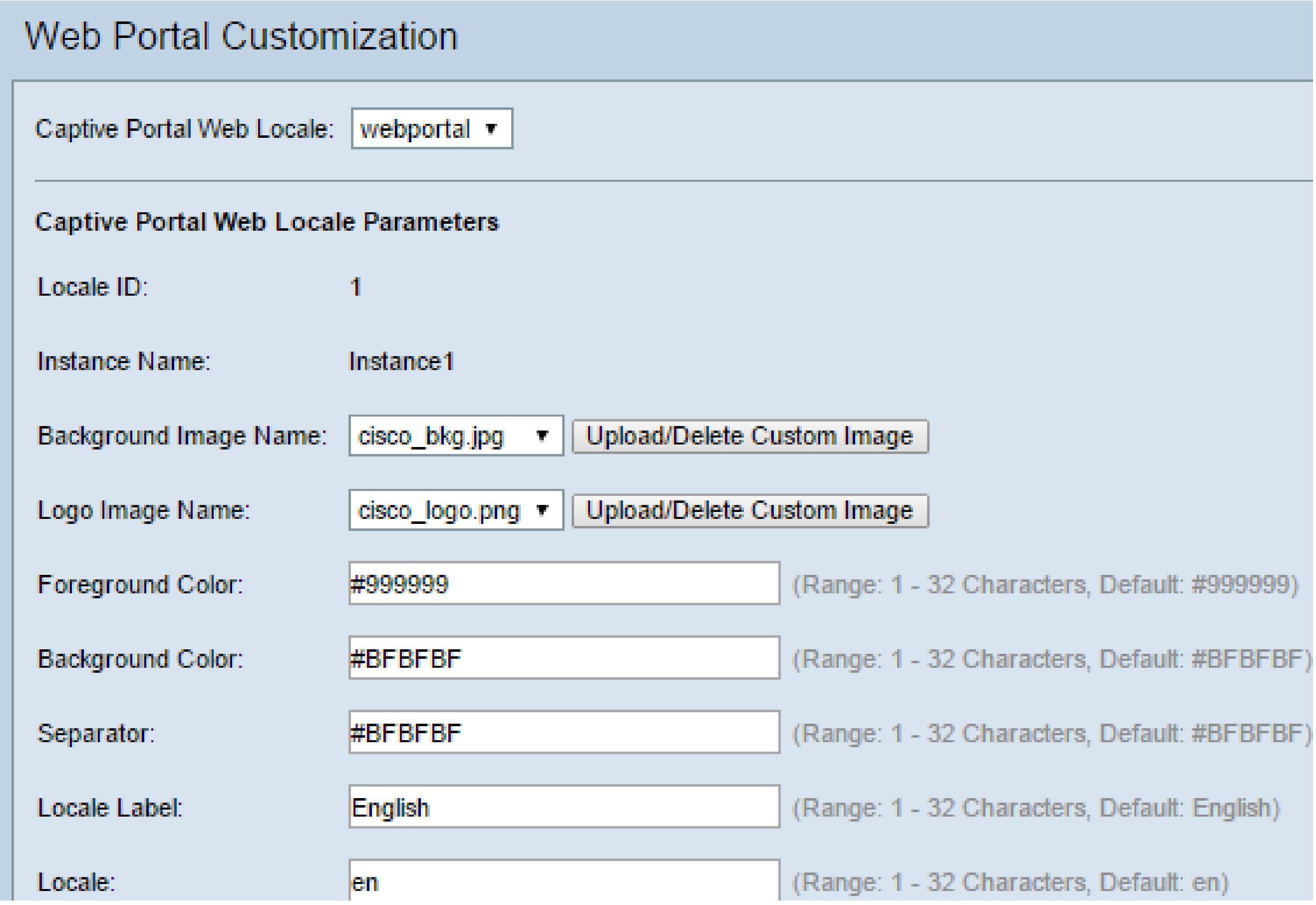
Captive Portal Web Locale Parameters

Web Locale Name: webportal (Range: 1 - 32 Characters)

Captive Portal Instances: Instance1

Step 37. Click **Save** to create a new locale.

Note: The Web Portal Customization page displays additional information.



Web Portal Customization

Captive Portal Web Locale: webportal

Captive Portal Web Locale Parameters

Locale ID: 1

Instance Name: Instance1

Background Image Name: cisco_bkg.jpg

Logo Image Name: cisco_logo.png

Foreground Color: #999999 (Range: 1 - 32 Characters, Default: #999999)

Background Color: #BFBFBF (Range: 1 - 32 Characters, Default: #BFBFBF)

Separator: #BFBFBF (Range: 1 - 32 Characters, Default: #BFBFBF)

Locale Label: English (Range: 1 - 32 Characters, Default: English)

Locale: en (Range: 1 - 32 Characters, Default: en)

Locale ID is a non-configurable field that displays the ID number of the current locale.

Instance Name is a non-configurable field that displays the captive portal instance name that is associated with the locale.

Step 38. From the Background Image Name drop-down list, choose an image to display in the locale background. Click the **Upload/Delete Custom Image** button to add your own image. Go to the section Upload/Delete Custom Image for more information.

Step 39. From the Logo Image Name drop-down list, choose an image to display in the top left corner of the page.

Step 40. In the *Foreground Color* field, enter the 6-digit Hyper Text Transfer Protocol (HTML) code for the foreground color of the locale.

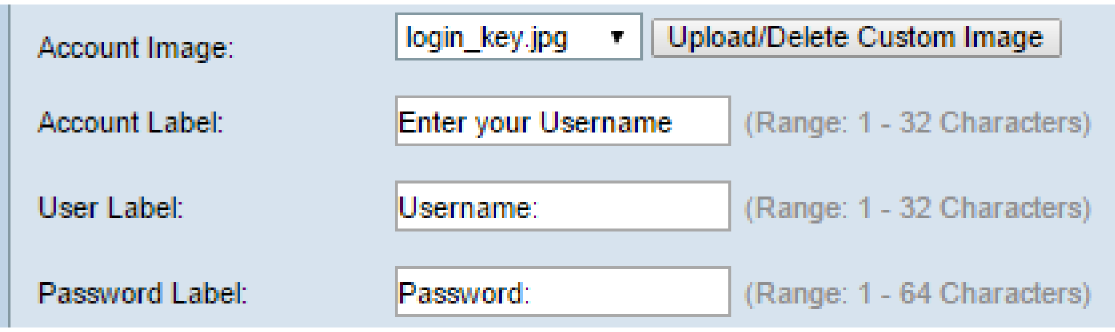
Step 41. In the *Background Color* field, enter the 6-digit HTML code for the background color of the locale.

Step 42. In the *Separator* field, enter the 6-digit HTML code for the color of the horizontal line that separates the page header from the page body.

Step 43. Enter a descriptive name for the locale in the *Locale Label* field. If you have multiple locales, this is the name of the link you click to change between locales. For example, if you have an English and Spanish locale, you may want to signify that in your locale name.

Step 44. Enter an abbreviation for the locale in the *Locale* field.

Step 45. From the Account Image drop-down list, choose an image to display above the login field.



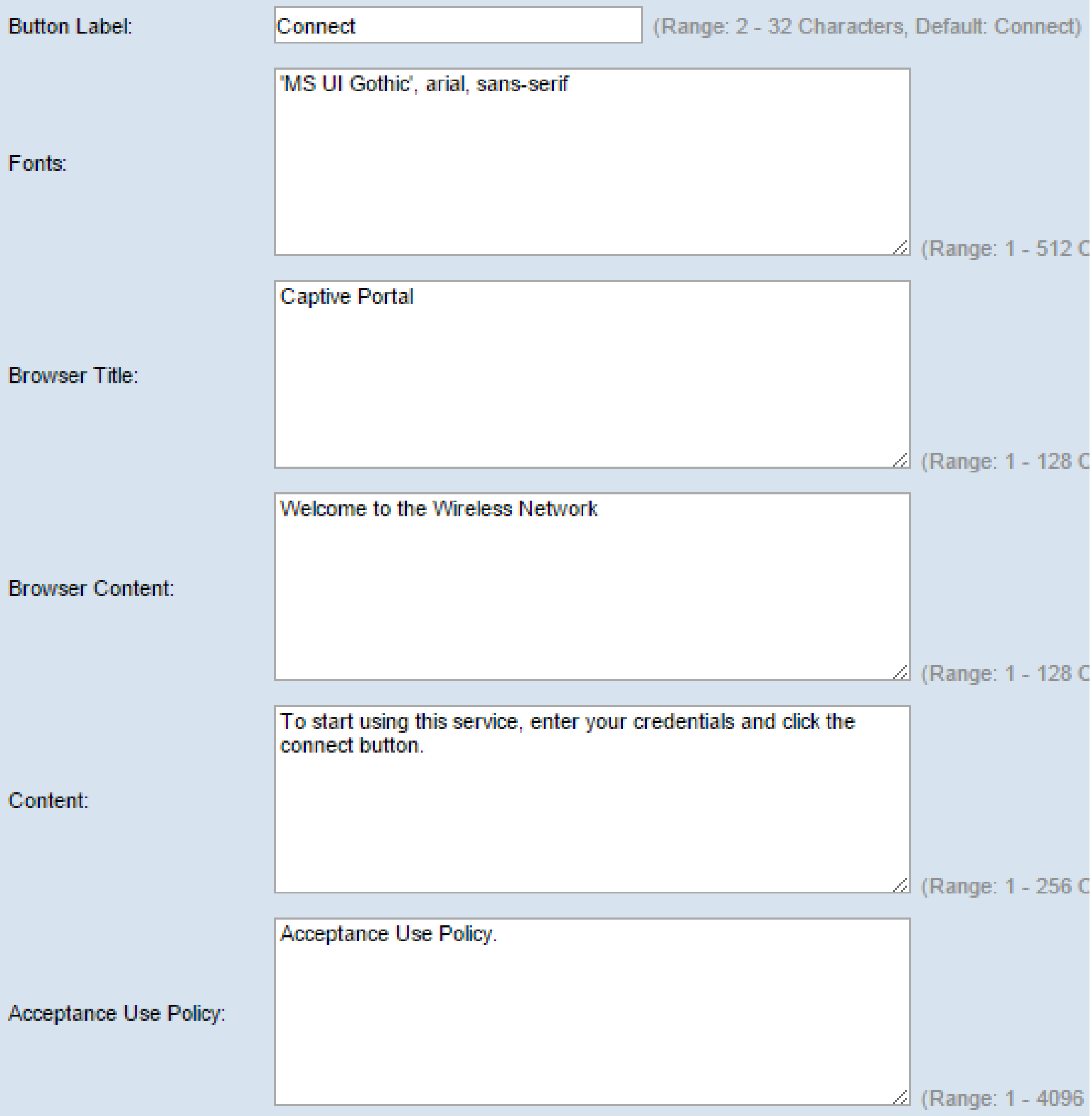
Account Image:	login_key.jpg ▼	
Account Label:	Enter your Username	(Range: 1 - 32 Characters)
User Label:	Username:	(Range: 1 - 32 Characters)
Password Label:	Password:	(Range: 1 - 64 Characters)

Step 46. In the *Account Label* field, enter the instructions that request the user to enter their username.

Step 47. In the *User Label* field, enter the label for the user name text box.

Step 48. In the *Password Label* field, enter the label for the password text box.

Step 49. In the *Button Label* field, enter the label for the button that the users click to submit their username and password.



Button Label:	Connect	(Range: 2 - 32 Characters, Default: Connect)
Fonts:	'MS UI Gothic', arial, sans-serif	(Range: 1 - 512 C
Browser Title:	Captive Portal	(Range: 1 - 128 C
Browser Content:	Welcome to the Wireless Network	(Range: 1 - 128 C
Content:	To start using this service, enter your credentials and click the connect button.	(Range: 1 - 256 C
Acceptance Use Policy:	Acceptance Use Policy.	(Range: 1 - 4096

Step 50. In the *Fonts* field, enter the font name used for the locale. You may enter several font names separated by a comma. If the first font style is not found by the client device, the next font is used. If a font name has multiple words separated by spaces, use single quotes to surround the font name. For instance, 'MS UI Gothic', arial, sans-serif, and so on.

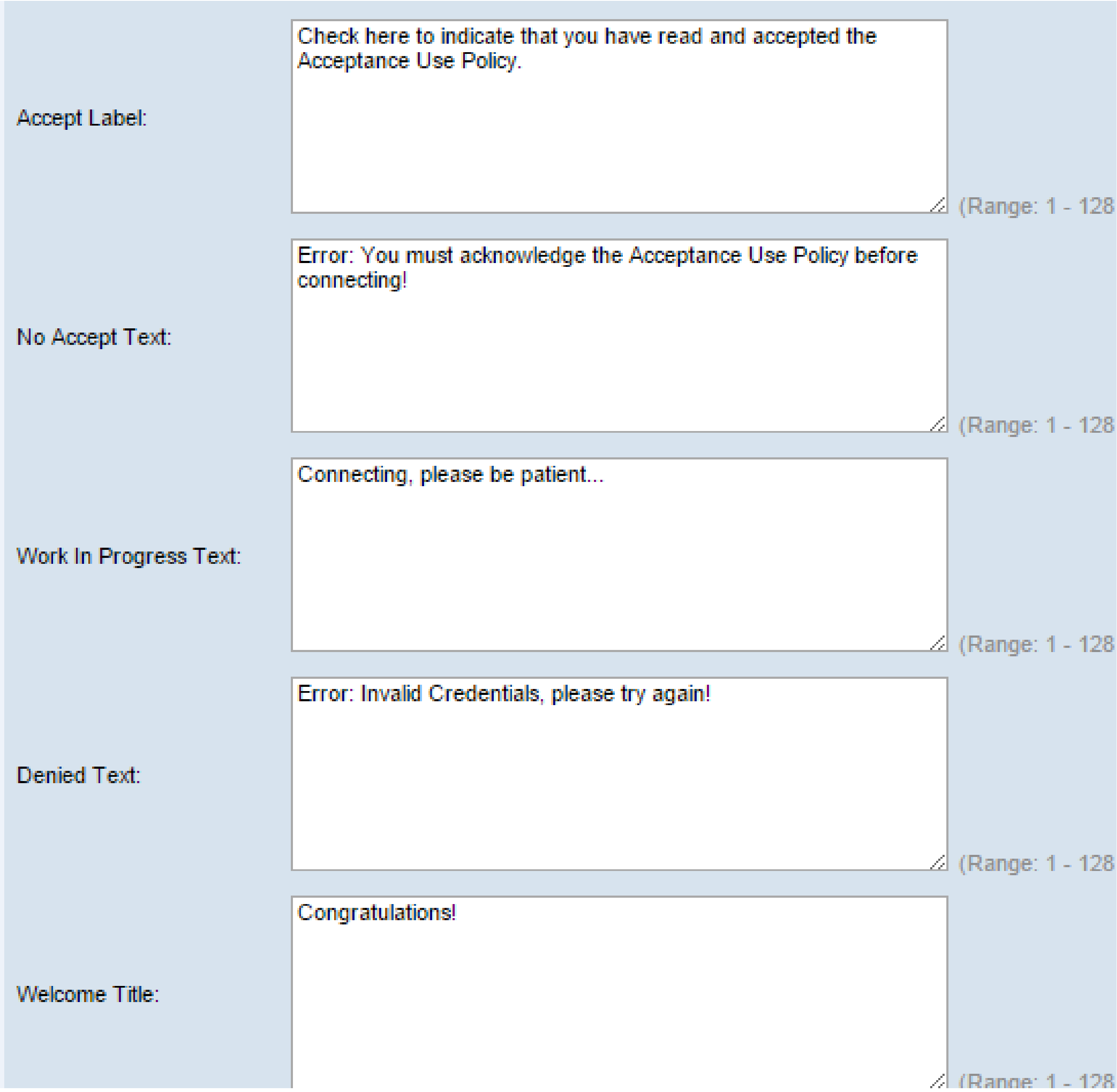
Step 51. In the *Browser Title* field, enter the text you would like to display in the browser title bar.

Step 52. In the *Browser Content* field, enter the text you would like to display in the page header.

Step 53. In the *Content* field,enter the text that instructs the user on what to do. This field is shown below the user name and password text boxes.

Step 54. In the *Acceptance Use Policy* field, enter the terms that users must agree to if they want to access the WAP.

Step 55. In the *Accept Label* field, enter the text that instructs users to check that they have read and accepted the Acceptance Use Policy.



Accept Label:	Check here to indicate that you have read and accepted the Acceptance Use Policy.	(Range: 1 - 128
No Accept Text:	Error: You must acknowledge the Acceptance Use Policy before connecting!	(Range: 1 - 128
Work In Progress Text:	Connecting, please be patient...	(Range: 1 - 128
Denied Text:	Error: Invalid Credentials, please try again!	(Range: 1 - 128
Welcome Title:	Congratulations!	(Range: 1 - 128

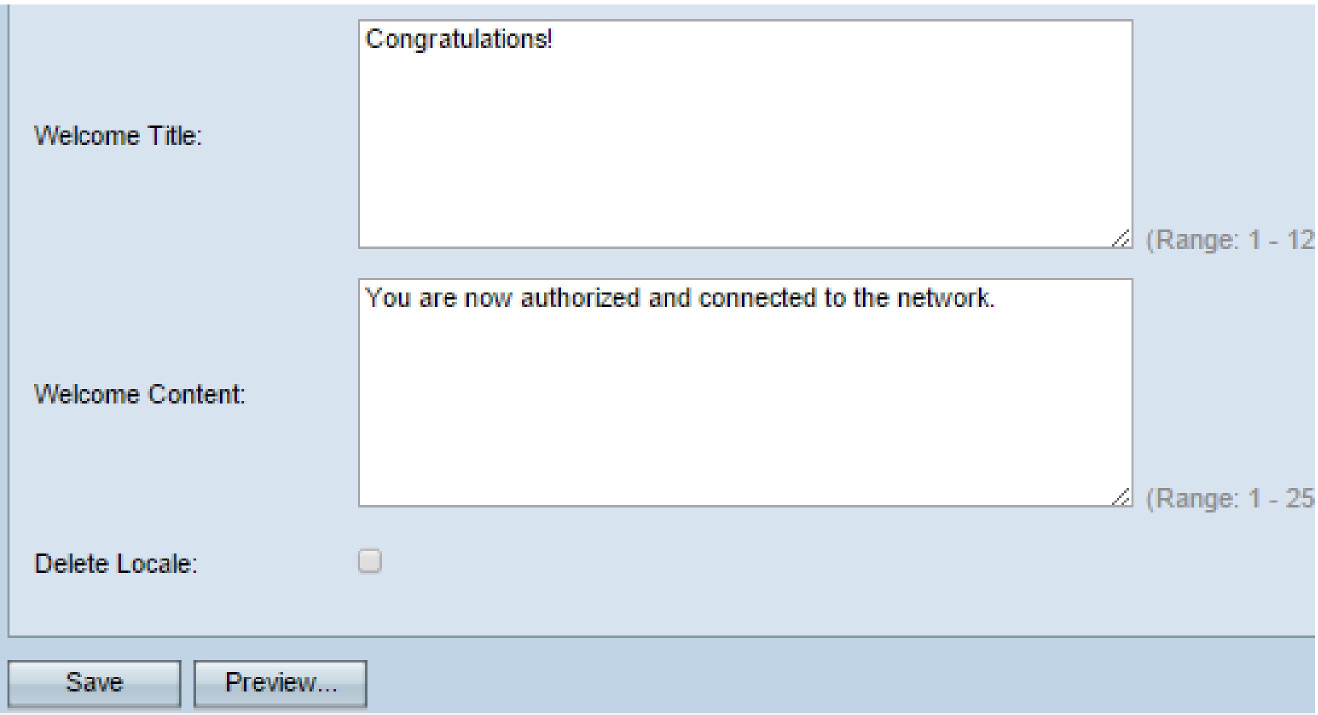
Step 56. In the *No Accept Text* field, enter the text that prompts a user if they submit login credentials but do not accept the Acceptance Use Policy.

Step 57. In the *Work In Progress Text* field, enter the text that is shown while the WAP checks the given credentials.

Step 58. In the *Denied Text* field, enter the text that is shown when a user fails authentication.

Step 59. In the *Welcome Title* field, enter the title text that is shown when a client is successfully authenticated.

Step 60. In the *Welcome Content field*, enter the text that is shown to a client who has connected to the network.



Welcome Title: Congratulations! (Range: 1 - 12

Welcome Content: You are now authorized and connected to the network. (Range: 1 - 25

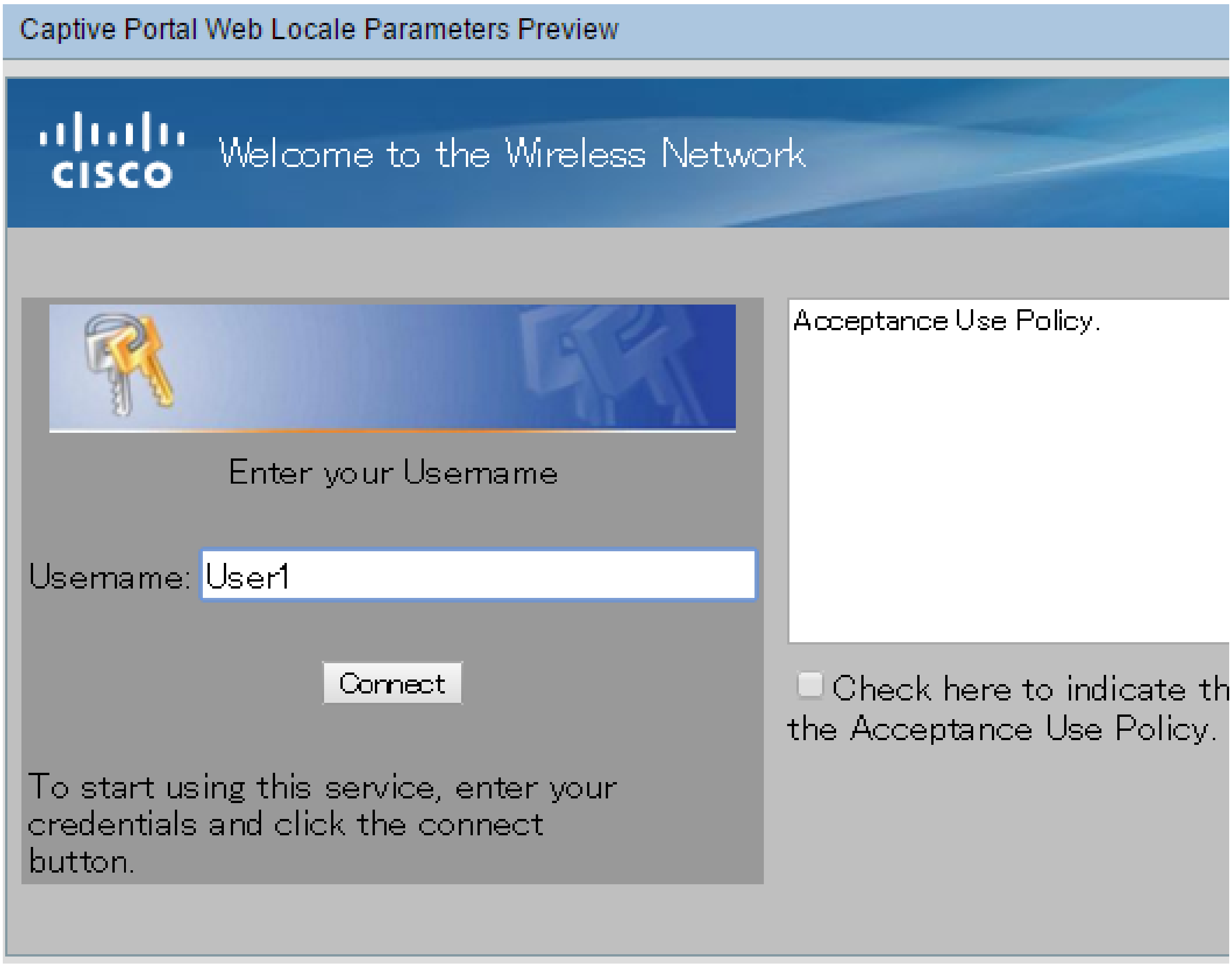
Delete Locale: □

Step 61. (Optional) To delete the current locale, check the **Delete Locale** check box.

Step 62. Click **Save**.

Step 63. (Optional) To view your current locale, click **Preview**. If you make changes, click **Save** before you preview to update the changes.

Note: The captive portal login screen looks similar to the following image:



Captive Portal Web Locale Parameters Preview

Welcome to the Wireless Network

Enter your Username

Username: User1

To start using this service, enter your credentials and click the connect button.

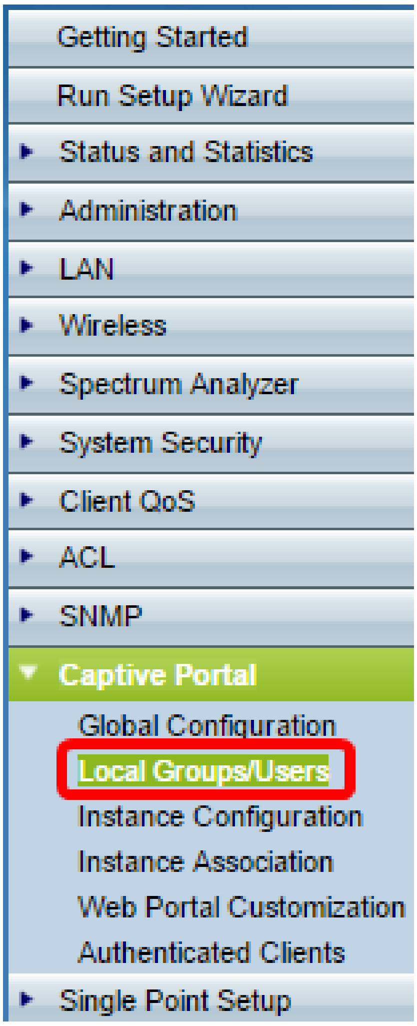
Acceptance Use Policy.

□ Check here to indicate th the Acceptance Use Policy.

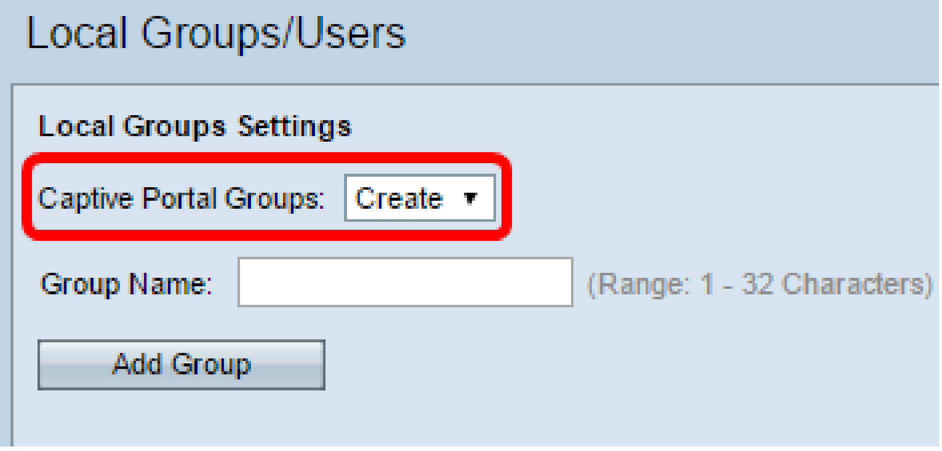
Create Local Group

A non-guest captive portal requires users to log in based on their username and password. The WAP creates a local group that contains a group of local users. The local group is then attached to an instance. Local users that are a member of the local group are able to gain access through the captive portal. The Default local group is always active and cannot be deleted. Up to two additional local groups can be added to the WAP.

Step 64. In the web-based utility, choose **Captive Portal > Local Groups/Users**.



Step 65. Choose **Create** from the Captive Portal Groups drop-down list.



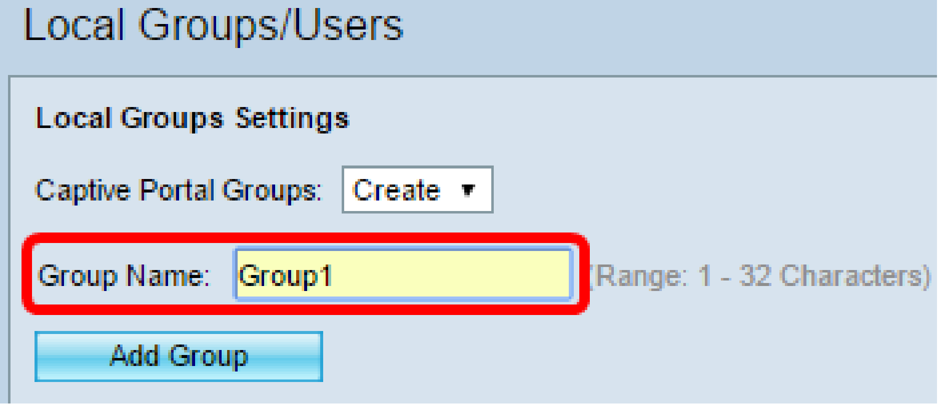
Local Groups/Users

Local Groups Settings

Captive Portal Groups: Create

Group Name: (Range: 1 - 32 Characters)

Step 66. Enter the name of the local group in the *Group Name* field.



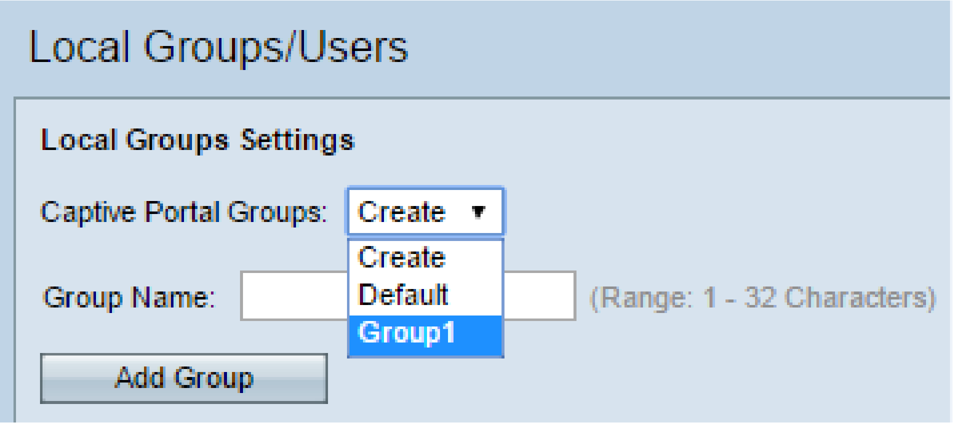
Local Groups/Users

Local Groups Settings

Captive Portal Groups: Create

Group Name: Group1 (Range: 1 - 32 Characters)

Step 67. Click **Add Group** to save the group.



Local Groups/Users

Local Groups Settings

Captive Portal Groups: Create

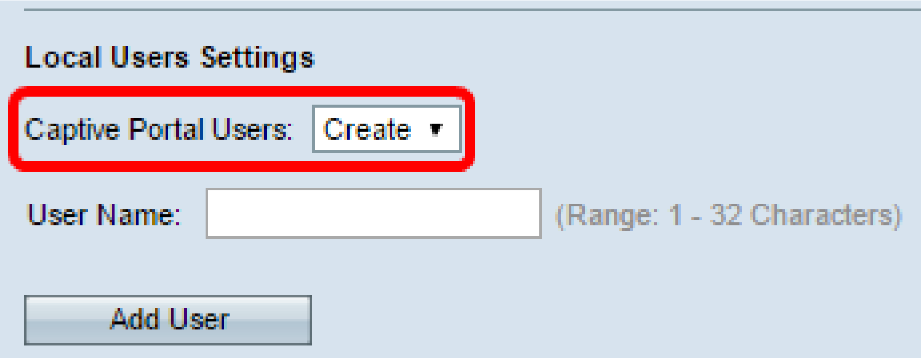
Group Name: (Range: 1 - 32 Characters)

Note: You can assign a local group to an instance in Step 19 of the section titled Instance Configuration.

Create Local User

Local users are added to a local group. These users are able to access a captive portal that has an instance with their local group configured. Some information that is configured in the Local Users page is also configured in the Instance Configuration page. The value configured for a local user has precedence over the value configured for an instance. You can configure up to 128 authorized users in the local database.

Step 68. Choose **Create** from the Captive Portal Users drop-down list.

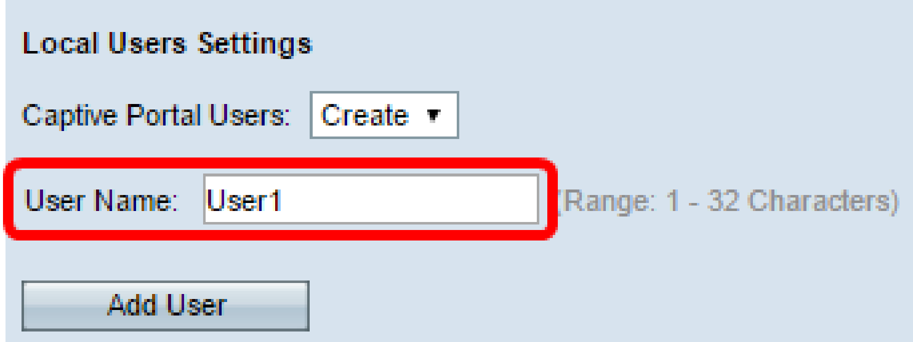


Local Users Settings

Captive Portal Users: Create

User Name: (Range: 1 - 32 Characters)

Step 69. In the *User Name* field, enter the user name you want to add.

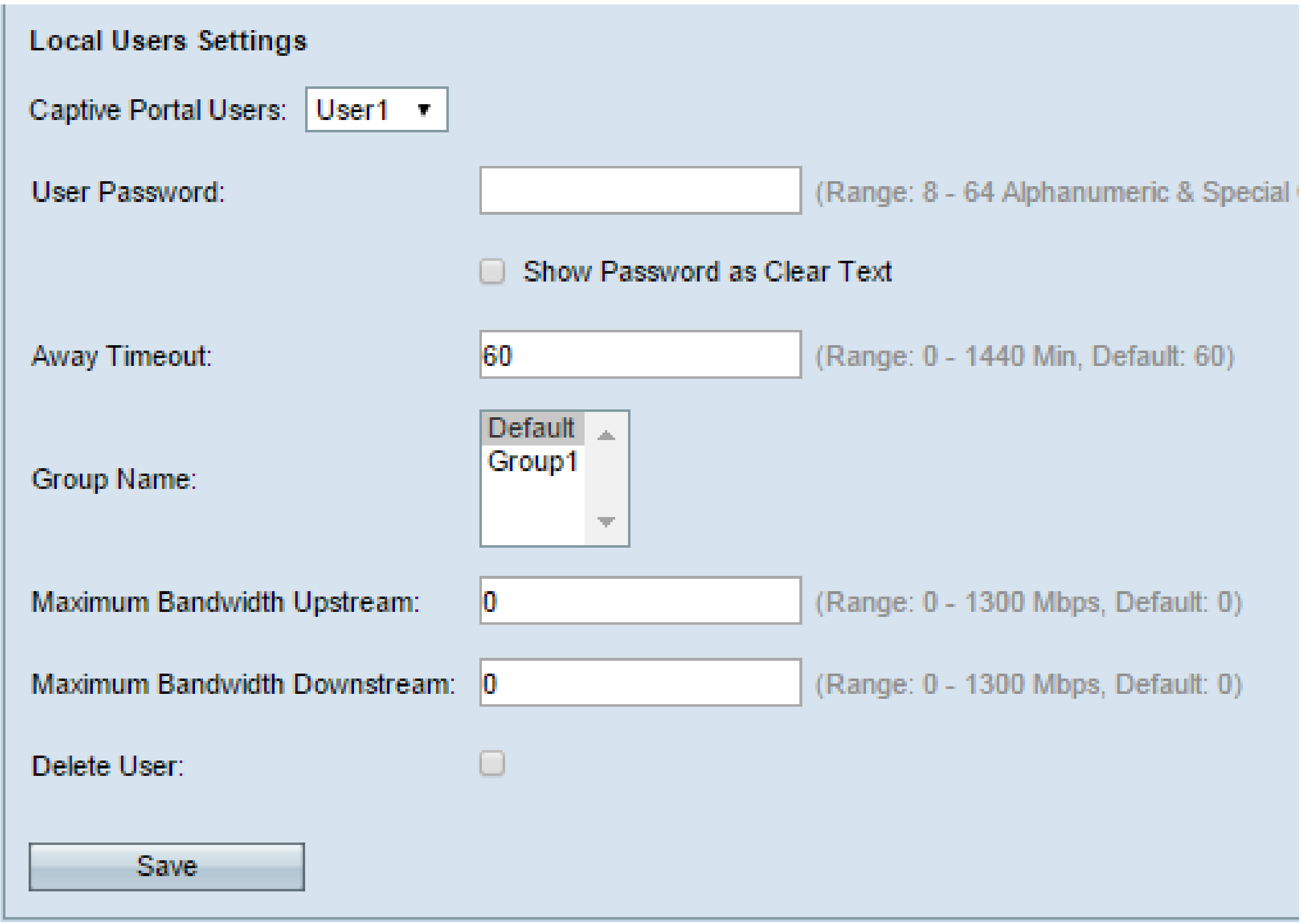


Local Users Settings

Captive Portal Users: Create

User Name: User1 (Range: 1 - 32 Characters)

Step 70. Click **Add User** to create the new user. The Local Users Settings window displays additional information.



Local Users Settings

Captive Portal Users: User1

User Password: (Range: 8 - 64 Alphanumeric & Special

□ Show Password as Clear Text

Away Timeout: 60 (Range: 0 - 1440 Min, Default: 60)

Group Name: Default, Group1

Maximum Bandwidth Upstream: 0 (Range: 0 - 1300 Mbps, Default: 0)

Maximum Bandwidth Downstream: 0 (Range: 0 - 1300 Mbps, Default: 0)

Delete User: □

Step 71. In the *User Password* field, enter the password associated with the user.

Step 72. (Optional) To have the password be displayed in clear text, check the **Show Password as Clear Text** check box. If the check box is unchecked, the password is masked.

Step 73. In the *Away Timeout* field, enter the amount of time (in minutes) a user can be disassociated from the WAP and remain on the WAP authenticated client list. If the user is not connected to the WAP for longer then the Away Timeout, they have to be reauthorized before they can use the WAP.

Step 74. In the *Group Name* field, click the local group you would like the user to join.

Step 75. In the *Maximum Bandwidth Upstream* field, enter the maximum upload speed in Mbps that a client can send data via the captive portal.

Step 76. In the *Maximum Bandwidth Downstream* field, enter the maximum download speed in Mbps that a client can receive data via the captive portal.

Step 77. (Optional) To delete a local user, check the **Delete User** check box.

Step 78. Click **Save**.

You should now have configured the advanced Captive Portal settings of your WAP571 or WAP571E.