

Configuration of RADIUS Sever on RV220W and RV120W

Objective

A Remote Authentication Dial In User Service (RADIUS) server is an authentication server that provides authentication to users to connect to a device and use network service. When a user enters the username and password, the data is sent to the RADIUS server. Here, it is checked against the data stored on the server to ensure its authenticity.

The objective of this document is to explain how to add a RADIUS server for authentication and how to edit or delete a configured RADIUS server on the Cisco RV220W and RV120W.

Applicable Devices

- RV220W
- RV120W

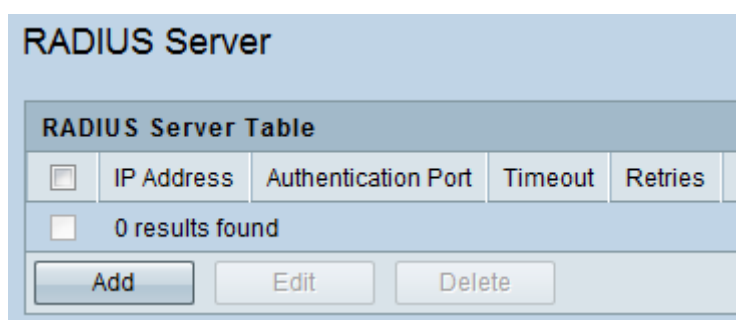
Software Version

- v1.0.5.9 - RV120W

Configuration of RADIUS Server

Add a RADIUS Server

Step 1. Log in to the web configuration utility and choose **Security > RADIUS Server**. The *RADIUS Server* page opens:



Step 2. Click **Add** to add a RADIUS server. The *Add/Edit RADIUS Server Configuration* window appears.

RADIUS Server

RADIUS Server Table				
<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
0 results found				
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>				

Step 3. Enter the IP address of the RADIUS server which provides authentication in the *Authentication Server IP Address* field.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 4. Enter the port number of the authentication RADIUS server which sends the data in the *Authentication Port* field. The default port is 1812.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 5. Enter the password which allows the router to get authentication from the RADIUS server in the *Secret* field

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Note: The secret key cannot contain single quotes, double quotes, or spaces.

Step 6. Enter the timeout interval (in seconds) when the router re-authenticates with the RADIUS server in the *Timeout* field. The default time is 30 seconds.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 7. Enter the number of retries for the router to re-authenticate with the RADIUS server in the *Retries* field. The default amount is 4 retries.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

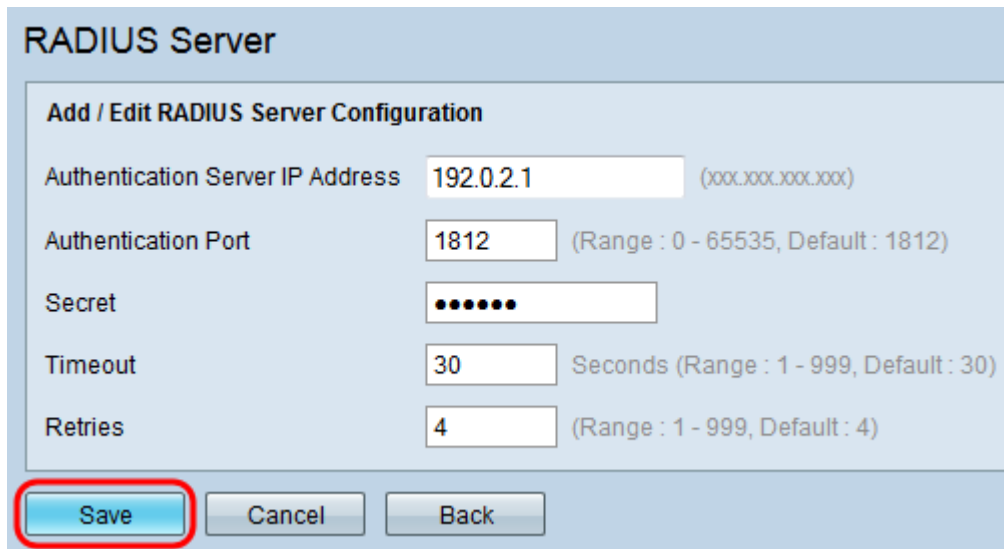
Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 8. Click **Save** to save the settings.



RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

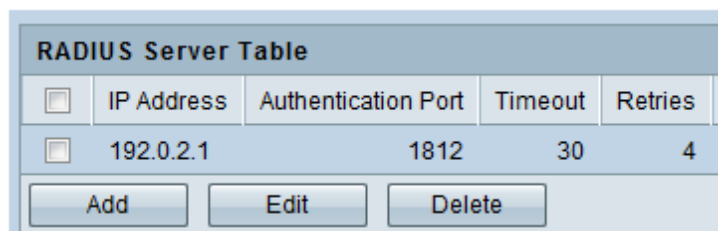
Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

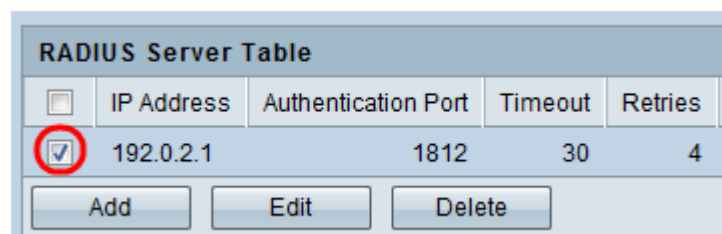
Edit a RADIUS Server

Step 1. Log in to the web configuration utility and choose **Security > RADIUS Server**. The *RADIUS Server* page opens:



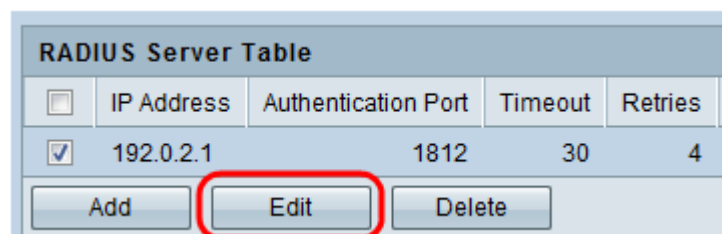
<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input type="checkbox"/>	192.0.2.1	1812	30	4

Step 2. Check the check box next to the IP address of the added server.



<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input checked="" type="checkbox"/>	192.0.2.1	1812	30	4

Step 3. Click **Edit** to edit the RADIUS server.



<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input checked="" type="checkbox"/>	192.0.2.1	1812	30	4

The *Add/Edit RADIUS Server Configuration* window appears:

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address	<input type="text" value="192.0.2.1"/>	(xxx.xxx.xxx.xxx)
Authentication Port	<input type="text" value="1812"/>	(Range : 0 - 65535, Default : 1812)
Secret	<input type="password" value="•••••"/>	
Timeout	<input type="text" value="30"/>	Seconds (Range : 1 - 999, Default : 30)
Retries	<input type="text" value="4"/>	(Range : 1 - 999, Default : 4)

Note: The Authentication Server IP Address cannot be edited.

Step 4. Enter the port number of the authentication RADIUS server which sends the data in the *Authentication Port* field.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address	<input type="text" value="192.0.2.1"/>	(xxx.xxx.xxx.xxx)
Authentication Port	<input type="text" value="1812"/>	(Range : 0 - 65535, Default : 1812)
Secret	<input type="password" value="•••••"/>	
Timeout	<input type="text" value="30"/>	Seconds (Range : 1 - 999, Default : 30)
Retries	<input type="text" value="4"/>	(Range : 1 - 999, Default : 4)

Step 5. Enter the password which allows the router to get authentication from the RADIUS server in the *Secret* field.

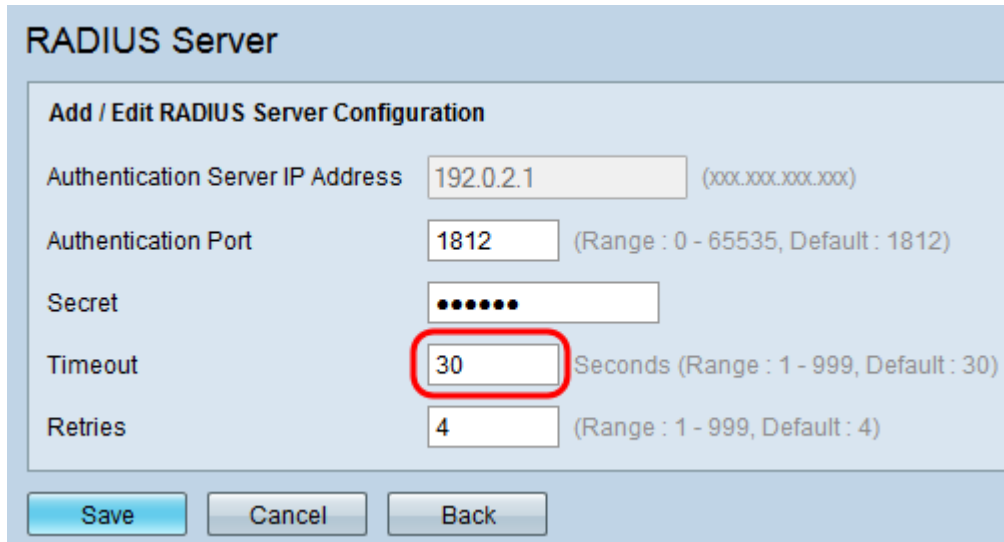
RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address	<input type="text" value="192.0.2.1"/>	(xxx.xxx.xxx.xxx)
Authentication Port	<input type="text" value="1812"/>	(Range : 0 - 65535, Default : 1812)
Secret	<input type="password" value="•••••"/>	
Timeout	<input type="text" value="30"/>	Seconds (Range : 1 - 999, Default : 30)
Retries	<input type="text" value="4"/>	(Range : 1 - 999, Default : 4)

Note: The secret key cannot contain single quotes, double quotes, or spaces.

Step 6. Enter the timeout interval (in seconds) when the router re-authenticates with the RADIUS server in the *Timeout* field. The default time is 30 seconds.



RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

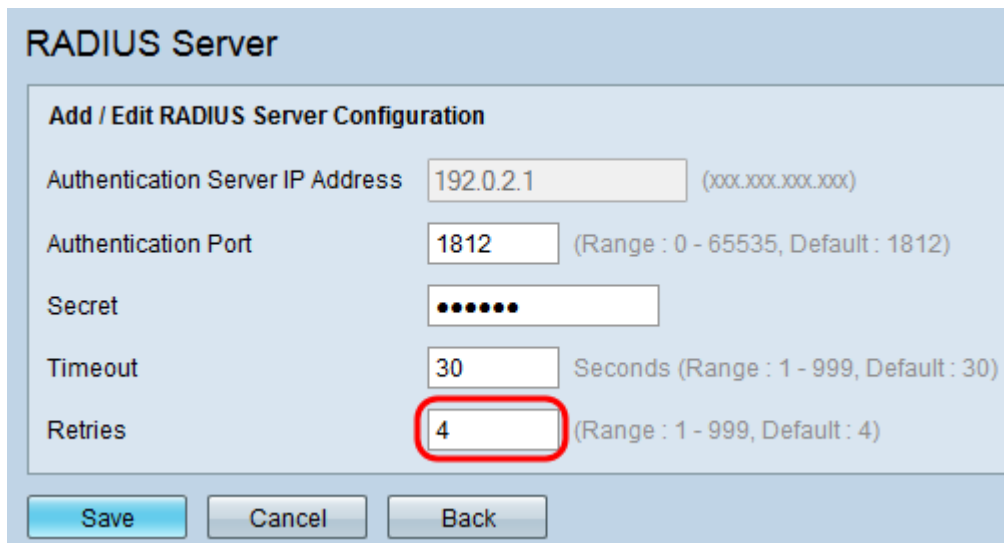
Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 7. Enter the number of retries for the router to re-authenticate with the RADIUS server in the *Retries* field. The default amount is 4 retries.



RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Step 8. Click **Save** to save the settings.

RADIUS Server

Add / Edit RADIUS Server Configuration

Authentication Server IP Address (xxx.xxx.xxx.xxx)

Authentication Port (Range : 0 - 65535, Default : 1812)

Secret

Timeout Seconds (Range : 1 - 999, Default : 30)

Retries (Range : 1 - 999, Default : 4)

Delete a RADIUS Server

Step 1. Log in to the web configuration utility and choose **Security > RADIUS Server**. The *RADIUS Server* page opens:

<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input type="checkbox"/>	192.0.2.1	1812	30	4

Step 2. Check the check box next to the IP address of the added server you wish to delete.

<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input checked="" type="checkbox"/>	192.0.2.1	1812	30	4

Step 3. Click **Delete** to delete the RADIUS server.

RADIUS Server

RADIUS Server Table

<input type="checkbox"/>	IP Address	Authentication Port	Timeout	Retries
<input checked="" type="checkbox"/>	192.0.2.1	1812	30	4

Step 4. Click **OK** to delete.

Please note that the configuration will not persist once deleted. Press OK to continue with the delete operation else press Cancel.

OK

Cancel