

Article ID: 5081

Configuring MAC Filtering on the WAP131, WAP351, and WAP371

Objective

MAC filtering lets the WAP block or allow clients that try to authenticate with a VAP (Virtual Access Point) based on their MAC address. This feature can be enabled or disabled on a per-VAP basis. In addition, a VAP can be configured to look at a MAC filter list on an external RADIUS (Remote Authentication Dial In User Service) or a list stored locally on the WAP itself.

The objective of this document is to show you how to configure the MAC filtering feature on the WAP131, WAP351, and WAP371.

Applicable Devices

- WAP131
- WAP351
- WAP371

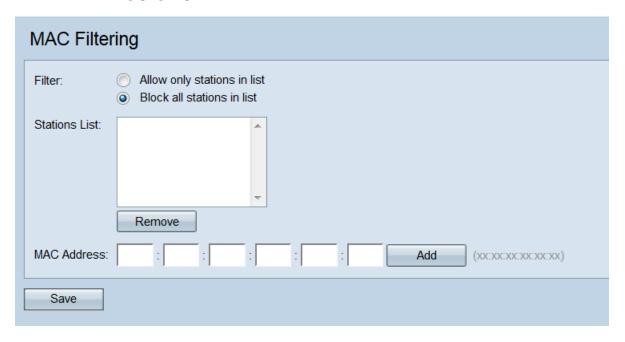
Software Version

- v1.0.1.3 (WAP131, WAP351)
- v1.2.0.2 (WAP371)

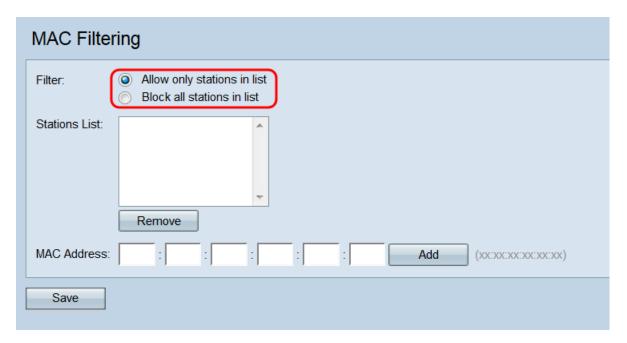
Configure MAC Filtering

Configuring Local MAC Filtering List

Step 1. Log in to the web configuration utility and choose **Wireless > MAC Filtering**. The *MAC Filtering* page opens.



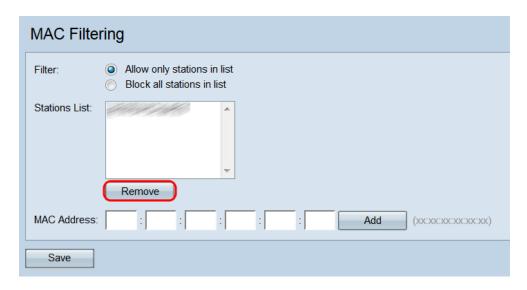
Step 2. In the *Filter* field, choose one of the radio buttons to determine how the WAP uses the filter list.



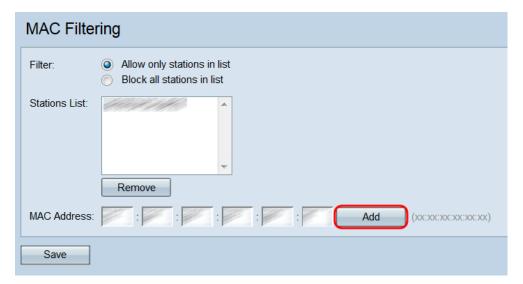
The options are:

- Allow only stations in list When selected, the WAP will deny access to any client whose MAC address isn't in the list; only clients on the list will be allowed.
- Block all stations in list When selected, the WAP will deny access to any client whose MAC address is on the list; all other clients will be allowed.

Step 3. The *Stations List* contains all of the MAC addresses that the WAP will check when authenticating a client. To remove an address from the list, click on it and then click the **Remove** button.



Step 4. To add a MAC address to the list, enter it in the *MAC Address* field, then click the **Add** button. The address will appear in the *Stations List*.



Step 5. Click **Save**.

MAC Filtering		
	Filter:	 Allow only stations in list Block all stations in list
	Stations List:	
		Remove
	MAC Address:	: : : : : : : : : : Add (xx:xx:xx:xx:xx)
(Save	

Step 6. In order for the MAC Filtering list to be used, each VAP that you want to use MAC filtering must be configured. Go to the **Wireless > Networks** page in the web configuration utility.



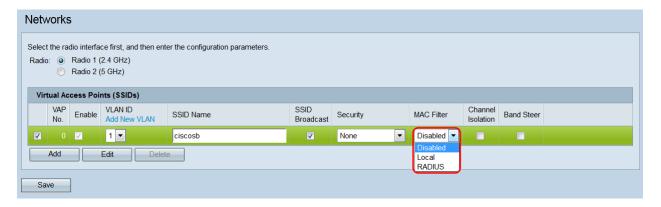
Step 7. Check the checkbox(s) of the VAP(s) you want to use MAC filtering.



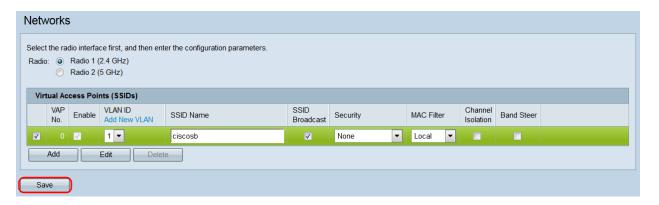
Step 8. Click Edit. The VAP(s) selected will now be available for editing.



Step 9. In the *MAC Filter* drop-down list, select which list the WAP will use during MAC filtering: the one stored locally on the WAP itself (Local) or the list stored remotely on a RADIUS server (RADIUS). Select **Local**.

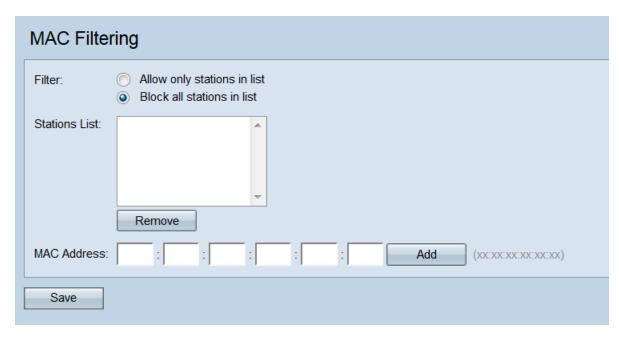


Step 10. Click Save.

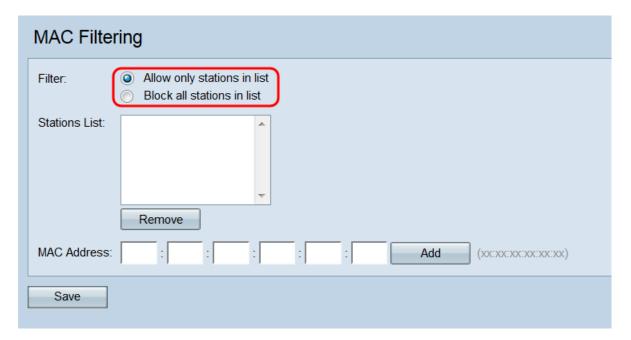


Configuring Remote RADIUS Filtering List

Step 1. Log in to the web configuration utility and choose **Wireless > MAC Filtering**. The *MAC Filtering* page opens.



Step 2. In the *Filter* field, choose one of the radio buttons to determine how the WAP uses the filter list.



The options are:

- Allow only stations in list When selected, the WAP will deny access to any client whose MAC address isn't in the list; only clients on the list will be allowed.
- Block all stations in list When selected, the WAP will deny access to any client whose MAC address is on the list; all other clients will be allowed.

Step 3. Log into the RADIUS server, and navigate to where users can be entered into the server.

Step 4. Add a new user to the RADIUS server. The user entered here represents an entry in the MAC filtering list the WAP looks at when filtering. Enter a valid Ethernet MAC address as the new user's username, and "NOPASSWORD" as the user's password. Repeat this step for each entry you wish to add to the list.

Step 5. Save your changes on the RADIUS server, then navigate to **Wireless > Networks** on the WAP's web configuration utility.



Step 6. Check the checkbox(s) of the VAP(s) you want to use MAC filtering.



Step 7. Click **Edit**. The VAP(s) selected will now be available for editing.



Step 8. In the *MAC Filter* drop-down list, select which list the WAP will use during MAC filtering: the one stored locally on the WAP itself (Local) or the list stored remotely on a RADIUS server (RADIUS). Select **RADIUS**.



Step 9. Click Save.

