



Device Tracking

- [Device Tracking, on page 1](#)
- [Filtering Tracked Devices, on page 3](#)

Device Tracking

Enable or Disable Device Tracking

Cisco Spaces: Detect and Locate can track the following devices in your network.

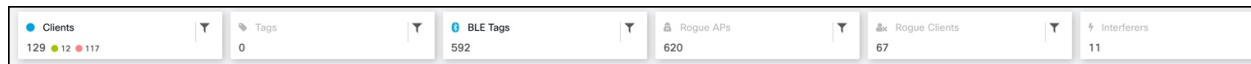
Choose **Configure > Tracking** to enable or disable the tracking of devices.

- Wireless Clients
- Interferers
- Rogue Access Points
- RFID
- Rogue Clients

View the enabled components from the Cisco Spaces: Detect and Locate dashboard.

Enable that the respective **Show/Hide** button (represented by the eye icon) so that you can view the component on the dashboard.

Figure 1: Dashboard: Total Count Toolbar



Cisco Spaces: Detect and Locate maintains a device eviction time of 10 minutes. As long as you receive updates (RSSI, AOA, Info, Stats) from the controller, the device is kept active and is displayed on the dashboard. If updates (RSSI, AOA, Info, Stats) are not received for a particular device within this eviction time, the device is removed from the system.

Configuring Thresholds and Cutoffs

Choose **Configure > Location Setup** to configure various thresholds and cutoffs.

Table 1: Thresholds and Cutoffs

Thresholds and Cutoffs	Descriptions
Relative discard RSSI time (secs)	Enter the time, in seconds, after which the RSSI measurement should be considered obsolete and discarded from use in location calculations. This time is from the most recent RSSI sample, and not an absolute time. For example, if this value is set to 3 minutes, and two samples are received at 10 minutes and 12 minutes, both the samples will be retained. However, an additional sample received at 15 minutes is discarded.
Absolute discard RSSI time (mins)	Enter the time, in minutes, after which the RSSI measurement should be considered obsolete and discarded from use in location calculations regardless of the most recent sample.
RSSI Cutoff (dBm)	Enter the RSSI cutoff value, in dBm, at which you want the server to discard AP measurements.

Figure 2: Configuring Thresholds and Cutoffs

The screenshot shows the 'Location Setup' configuration page. On the left is a navigation menu with 'Tracking', 'Fast Locate', 'Filtering', and 'location Setup' (highlighted). The main content area is titled 'Location Setup' and contains three configuration items:

- Relative discard RSSI time (secs)**: Input field contains '60', with a 'Save' button to the right.
- Absolute discard RSSI time (mins)**: Input field contains '60', with a 'Save' button to the right.
- RSSI Cutoff (dBm)**: Input field contains '-75', with a 'Save' button to the right.

Filtering Tracked Devices

Filtering Tracked Devices

You can filter tracked devices by various parameters from the **CONFIGURE > Filtering** tab.

Parameters	Description
RSSI Cutoff	Specify the cutoff value for filtering out weak probing clients. The cut off value allows Cisco Spaces: Detect and Locate to filter out weak probing clients in the initial stage.
Enable Locally Administered MAC Filtering:	Toggle button that allows you to enable or disable locally administered MAC filtering.
Exclude Probing Only client:	Toggle button allows you to exclude or include probing-only clients.
Allow MAC Address:	List of MAC addresses that are allowed.
Disallow MAC Addresses:	List of MAC addresses that are not allowed.
Enable MAC Filtering:	This toggle button allows you to enable or disable MAC filtering.
Allow Location SSID Filtering:	List of SSIDs that are allowed.
Disallowed Location SSID Filtering:	List of SSIDs that are not allowed.

