

# Limit Discovery by IP in Cisco Business Dashboard

## Objective

The objective of this article is to show you how to configure the limit discovery by IP feature in Cisco Business Dashboard version 2.5.0.

## Applicable Devices | Software Version

- Cisco Business Dashboard | 2.5.0

## Introduction

Cisco Business Dashboard provides tools that help you monitor and manage the devices in your Cisco Business network. It automatically discovers your network and allows you to configure and monitor all supported devices such as switches, routers, and wireless access points.

Limit Discovery by IP controls which devices are managed by the Dashboard based upon their IP addresses. This functionality is configured on a per-network basis, and it requires that both the Dashboard and Probe are running version 2.5.0.

Are you ready to configure this on your network? Let's get started.

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## Configure Limit Discovery by IP

### Step 1

Login to your CBD.



## Cisco Business Dashboard

User Name\*

1

This field is required

Password\*

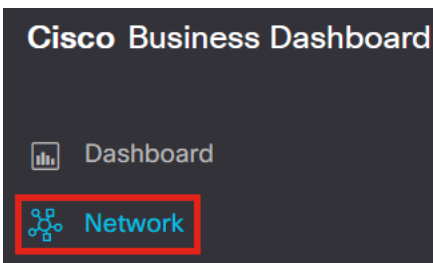
2

Login

3

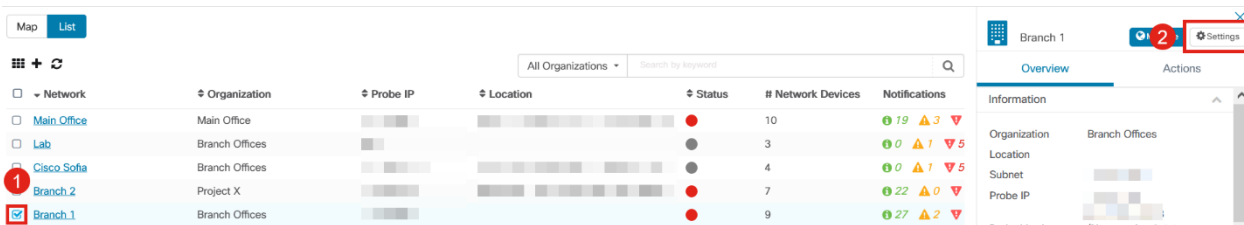
### Step 2

Select Network in the menu.



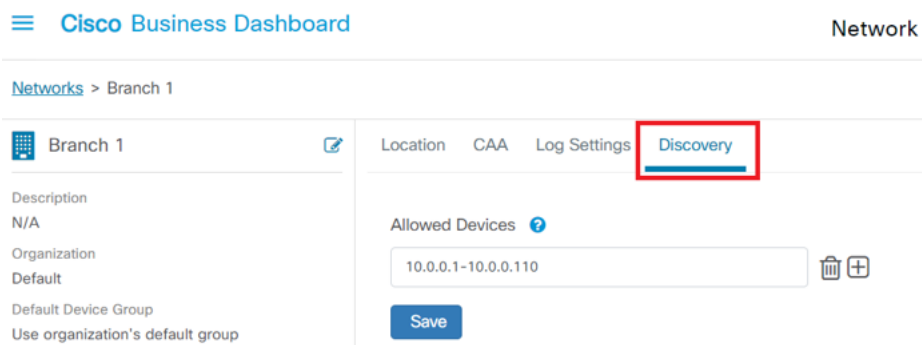
### Step 3

Select the desired network, and then click the **Settings** button.



### Step 4

Once in the Network settings, select the **Discovery** tab.



The Discovery tab is only displayed when BOTH the Dashboard and Probe are version 2.5.0.

## Step 5

Enter an IP address or address range in the configuration box. In this example, the IP range of **10.0.0.1 – 10.0.0.110** has been entered. Once the desired configuration is set, click the **Save** button.

Allowed Devices [?](#)

10.0.0.1-10.0.0.110 **1**  

Save **2**

## Step 6 (Optional)

Click the + box to add additional filters as needed, though three to four entries are the most anticipated to be used.

Allowed Devices [?](#)

10.0.0.1-10.0.0.110  

Save

## Step 7

Once the discovery filter is created and saved, a *Block Discovery* job will be created.

Cisco Business Dashboard Job Center

Jobs Schedule Profiles

All Organizations Filter by attributes

Summary: **Succeeded 908** **Failed 128**

Job Type	Organization	Status	Created By	Schedule Profile	Summary	Create Time	End Time
Delete offline devices	Default	Succeeded	system			Jun 29 2022 14:12:49	Jun 29 2022 14:12:50
Block discovery	Default	Succeeded	admin			Jun 29 2022 14:12:47	Jun 29 2022 14:12:51
Read device configuration	Default	Succeeded	system			Jun 29 2022 02:15:02	Jun 29 2022 02:15:46

You can access the *Jobs* tab by clicking on the *hourglass* icon at the top of the CBD interface.

## Step 8

Under *Inventory* page, you can find the *Show Discovery* filter. The options include:

- *Enabled* - This is the default setting; this shows devices allowed by the network filter. Any device that is blocked by a network discovery filter will not be shown in the inventory list.
- *Both* - Shows both blocked and unblocked devices.
- *Blocked* - Shows only blocked devices.

In this example, the *Show Discovery* filter is set to **Both**. A blocked Ø symbol will be seen on devices which are being blocked by the network discovery filter.

Cisco Business Dashboard Inventory

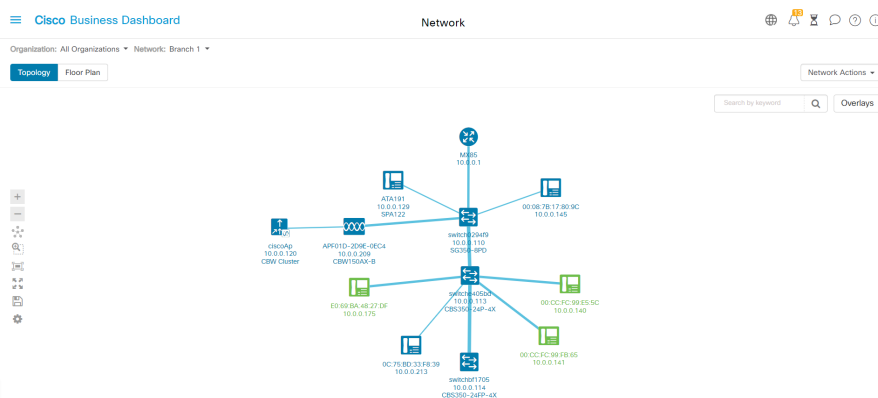
All Organizations Type: Network Device Network: Branch 1 Show Discovery: Both Add Filter

Hostname	Type	Tags	IP	Serial Number	Version	Model	Organization	Network
APF01D-2D9E-0EC4	AP		10.0.0.209	DNI2535002W	10.0.251.87	CBW150AX-B	Default	Branch 1
MX85	Router		10.0.0.1				Default	Branch 1
switch0294f9	Switch		10.0.0.110	PSZ213519ZJ	2.5.8.12	SG350-8PD	Default	Branch 1
switchbf1705	Switch		10.0.0.114	FOC2432L9DT	3.1.1.7	CBS350-24FP-4X	Default	Branch 1
switchc405bd	Switch		10.0.0.113	FOC2418V090	3.1.1.7	CBS350-24P-4X	Default	Branch 1

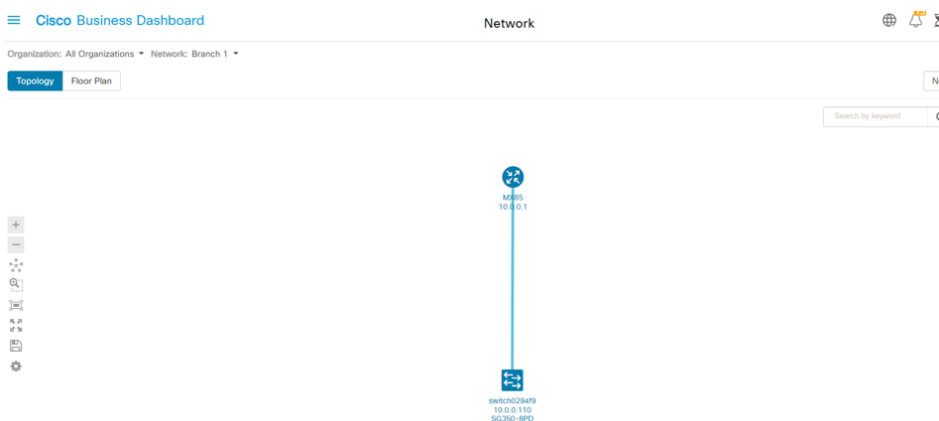
Even though a device may be blocked by a discovery filter, the network device could still be detected and listed in the inventory of CBD. This could be due to residual data if the device were previously discovered prior to a discovery filter being configured or that the device was learned through passive means, like LLDP or Bonjour.

## Network Topology

Here is an example of a topology map for a small network where there aren't any limits to network discovery.



After applying the discovery filter, the resulting topology map now consists of a single router and switch.



## Topology Map Overlays

If *Show Discovery* filter is set to **Both**, the topology map shows allowed and blocked devices.

The screenshot displays the Cisco Business Dashboard interface. The main area shows a network topology map with various devices connected. On the right, the 'Overlays and Filters' panel is open, showing the 'Show Discovery' section with the 'Both' radio button selected. The 'Network Actions' dropdown is also visible, with 'Overlays' highlighted.

Blocked devices will not require or consume a license for CBD.

## Conclusion

That's it! You know all about the limit discovery filter in CBD 2.5.0 and how to use it to manage your network with ease.

Check out the article on [Discovering the Network in the Cisco Business Dashboard](#) to explore more.