

Upgrade Network Devices to the Latest Version through FindIT Network Management

Objective

A firmware is a program that controls the operation and functionality of the network device. It is the combination of software and hardware that has program code and data stored in it in order for the device to function. New firmware releases have advanced features for network devices. Updated firmware versions on network devices keep them up-to-date with the latest releases and technologies like enhanced security, new features, bug fixes, or performance upgrades.

The performance of a network device can be enhanced when used with upgraded software or firmware. This process is also necessary if you encounter the following:

- Frequent network disconnection or intermittent connection on your devices
- Slow connection

This article provides instructions on how to upgrade the firmware of an individual or all network devices through FindIT Network Probe.

Applicable Devices

- FindIT Network Probe
- Cisco Small Business 100 to 500 Series

Software Version

- 1.1

Upgrade Firmware

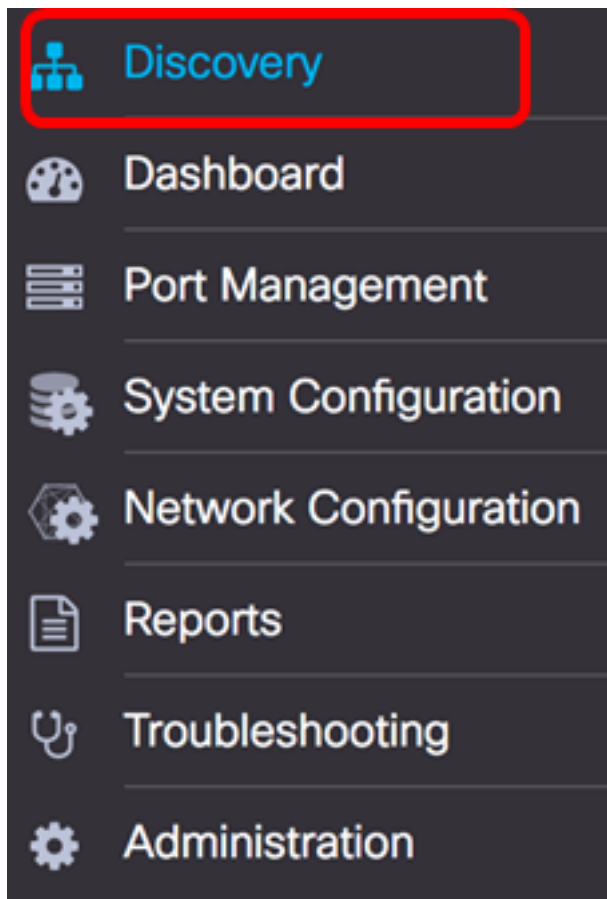
The FindIT Network Probe will notify you if there are firmware updates available for the devices in your network, and an **Update Firmware** icon will be displayed against the device in some areas of the Administration GUI.

[Upgrade Firmware of All Network Devices](#)

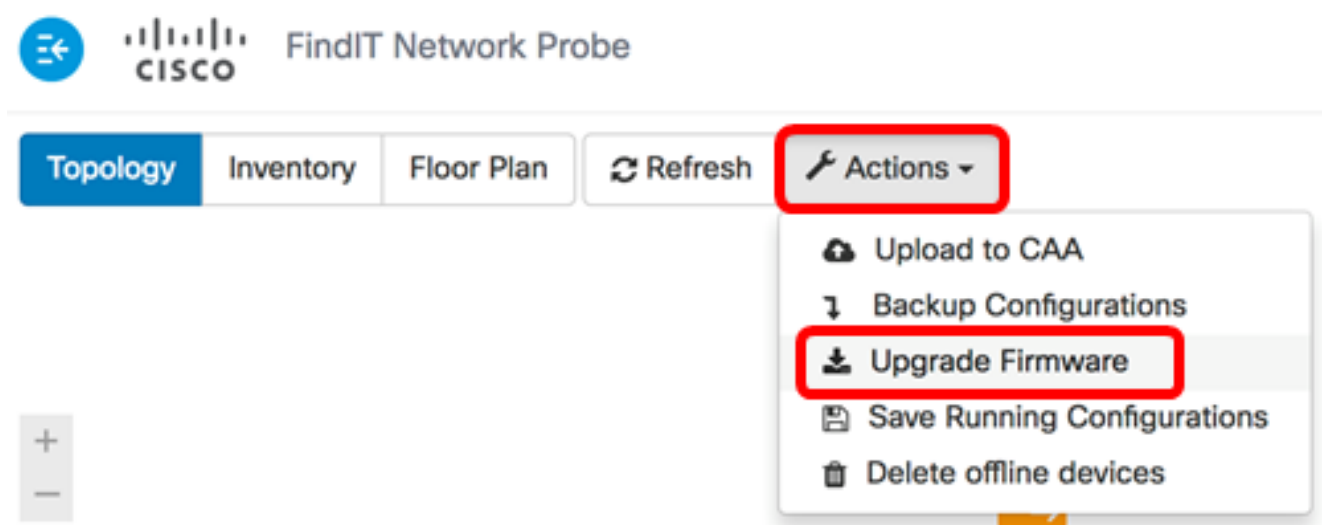
[Upgrade Firmware of an Individual Network Device](#)

[Upgrade Firmware of All Network Devices](#)

Step 1. Log in to the Administration GUI of the Probe and choose **Discovery** from the Navigation pane.



Step 2. Click on the **Actions** drop-down list and click **Upgrade Firmware**.



The FindIT Network Probe will then download the necessary firmware from the Cisco website for each device that has an available update and apply each update to each device.

Step 3. (Optional) Click on the **Task Status** icon at the top right portion of the Header toolbar to view the progress of the upgrade. Each device will then reboot as part of the process.



You should now have successfully upgraded the firmware of all devices in your network through the FindIT Network Probe.

[Upgrade Firmware of an Individual Network Device](#)

To upgrade a single Cisco SMB device on your network, choose from the following options:

[Upgrade firmware to the latest](#)

[Upgrade From Local](#)

[Upgrade firmware to the latest](#)

Step 1. Log in to the Administration GUI of the Probe and click on the device in the Topology Map.

Note: In this example, SG350X switch is chosen.



Step 2. In the Basic Information panel, click on the **Actions** tab. In this example, the current firmware version of SG350X is 2.2.8.4 and the latest firmware available is version 2.3.0.130.

SG350X ×
IP address: 192.168.100.105 🌐 ⋮

Overview **Actions**

General ^

Model : SG350X-48MP

Description : SG350X-48MP 48-Port Gigabit PoE Stackable Managed Switch

Firmware Version : 2.2.8.4

Latest Firmware : 2.3.0.130

PID VID : SG350X-48MP V01

MAC Address : 40:A6:E8:E6:F4:D3

Serial Number : DNI200206SA








Status : Online

Step 3. Click **Upgrade firmware to latest**.

Note: If the FindIT Network Probe detects that the device firmware is already the latest version, this button is grayed out.

Overview

Actions

-  **Upgrade firmware to latest**
-  Upgrade From Local
-  Backup Configuration
-  Restore Configuration
-  Reboot
-  Save Running Configuration
-  Delete

The FindIT Network Probe will then download the necessary firmware from the Cisco website and apply the update to the device.

Step 4. (Optional) Click on the **Task Status** icon at the top right portion of the Header toolbar to view the progress of the upgrade.



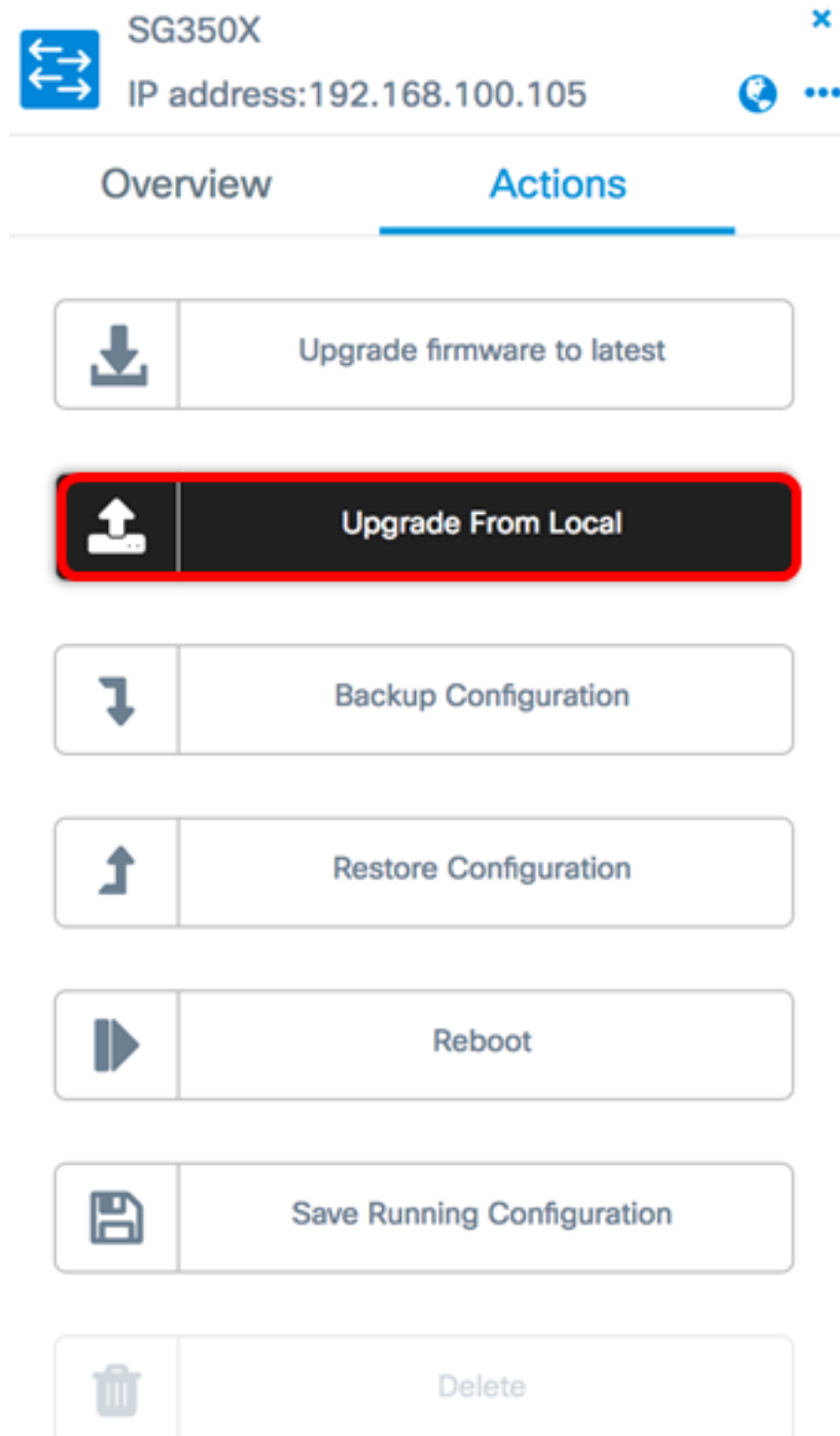
The device will then reboot as part of the process.

Upgrade From Local

You can manually update your network device firmware by downloading the specified firmware to your computer and manually uploading it to your device.

Important: Before proceeding, make sure to download first the specified firmware of the device you want to upgrade from the [Cisco Download Software](#) page and save it to your computer.

Step 1. Click **Upgrade From Local** in the Basic Information panel.



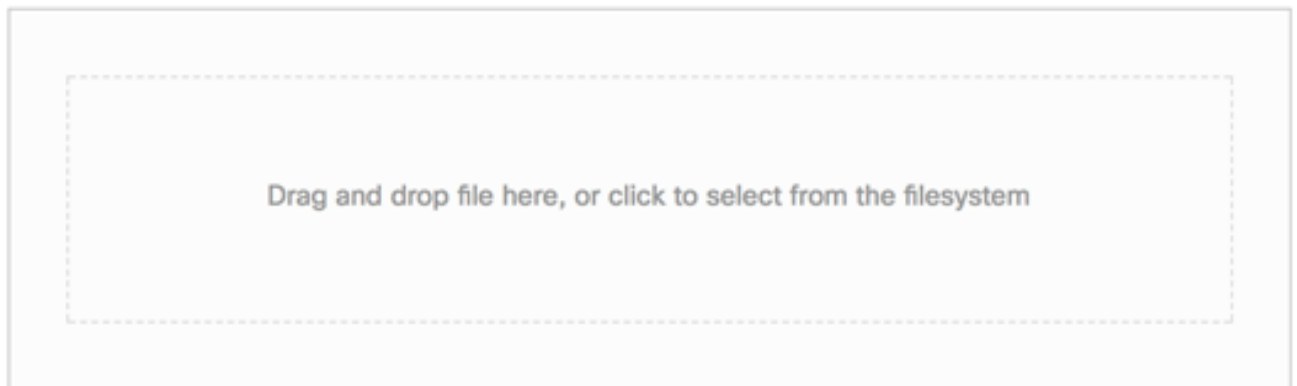
The screenshot shows a network device management interface. At the top, the device is identified as 'SG350X' with an IP address of '192.168.100.105'. Below this, there are two tabs: 'Overview' and 'Actions'. The 'Actions' tab is selected and highlighted with a blue underline. Under the 'Actions' tab, there is a list of seven buttons: 'Upgrade firmware to latest', 'Upgrade From Local', 'Backup Configuration', 'Restore Configuration', 'Reboot', 'Save Running Configuration', and 'Delete'. The 'Upgrade From Local' button is highlighted with a red border, indicating it is the target of the instruction.

Step 2. To load the file, you can either drag and drop the specified firmware file in the pop-up

window, or click anywhere inside the window and locate the file from your computer.

Note: In this example, the window is clicked to locate the file.

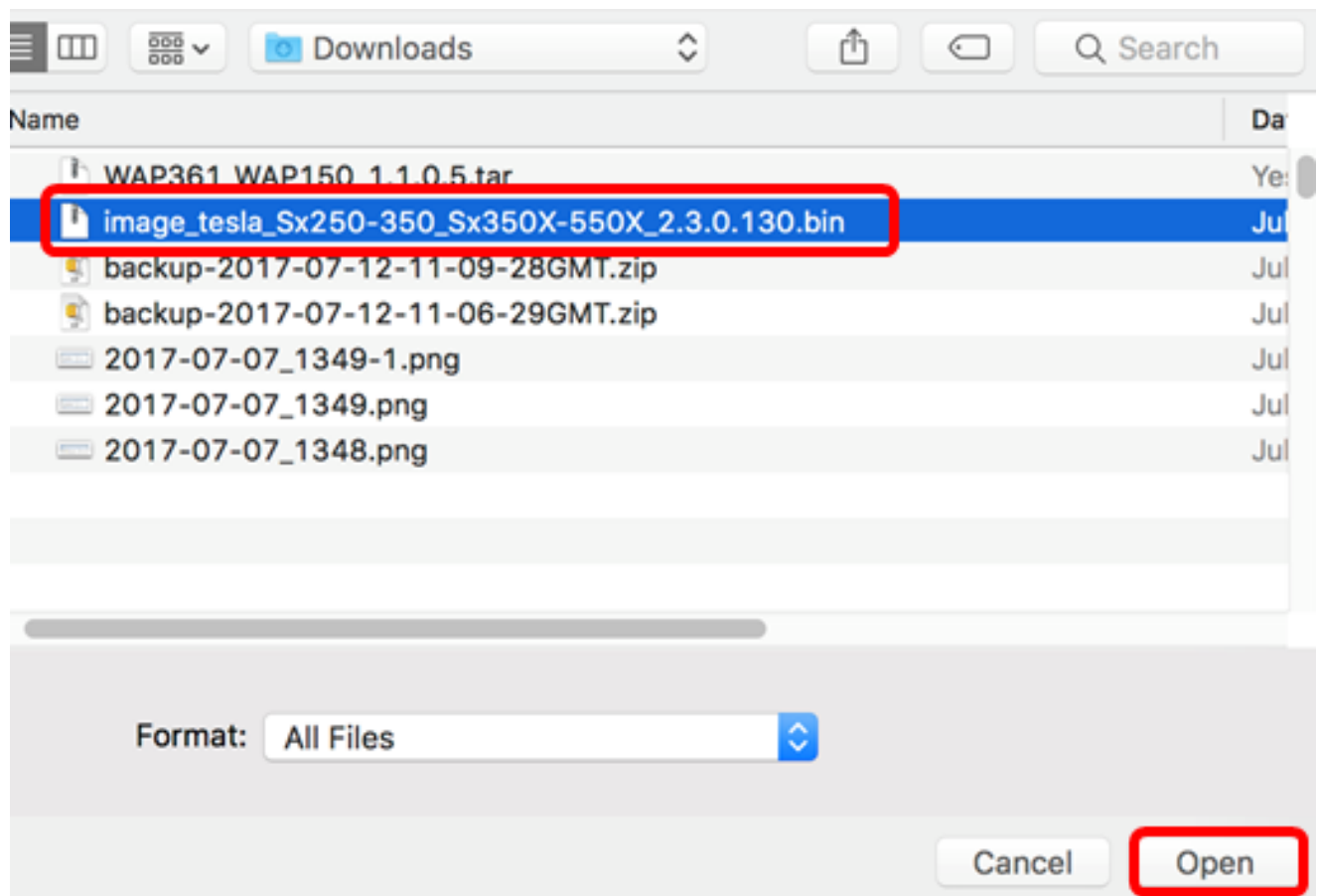
Apply Firmware Upgrade from Local for device SG350X x



The maximum file size is 100M. Click close button to cancel uploading file.

Apply

Step 3. Choose the file and click **Open**.



Note: In this example, the firmware file with version 2.3.0.130.bin is used.

Step 4. (Optional) A notification will appear indicating that the upgrade was successful. Click **Close**.



Upgrade Complete!

View [More](#) details or [Close](#).

Verify the Upgrade Firmware

Step 1. To verify the upgraded firmware version, click the device on the Topology Map.

Note: In this example, SG350X switch is chosen.



The Overview page of the Basic Information panel will display the current firmware version of the device.

 SG350X x
IP address:192.168.100.105  

Overview

Actions

General 

Model : SG350X-48MP

Description : SG350X-48MP 48-Port Gigabit PoE Stackable Managed Switch

Firmware Version : 2.3.0.130

PID VID : SG350X-48MP V01

MAC Address : 40:A6:E8:E6:F4:D3

Serial Number : DNI200206SA

Status : Online

You should now have successfully upgraded the firmware of your device through the FindIT Network Probe.