

Upgrade Firmware on a Catalyst 1200 or 1300 Series Switch

Objective

The objective of this article is to show you how to upgrade the firmware on a Catalyst 1200 or 1300 switch.

Introduction

The firmware is the program that controls the operation and functionality of the switch. It is the combination of software and hardware that has program code and data stored in it in order for the device to function.

Upgrading the firmware improves the performance of the device, which could provide enhanced security, new features, and bug fixes. This process is also necessary if you encounter the following:

- Frequent network disconnection or intermittent connection using the switch
- Slow connection

Applicable Devices | Software Version

- Catalyst 1200 | 4.0.0.91 ([Data Sheet](#))
- Catalyst 1300 | 4.0.0.91 ([Data Sheet](#))

Best Practice:

Backup your configuration prior to upgrading the firmware. You can do this by navigating to **Administration > File Management > File Operations** in the menu. Download a copy of the running configuration to your PC. It is not recommended to do a firmware upgrade of your device remotely.

Upgrade Firmware on the Switch

Upgrade the Firmware

Note:

Before you proceed, make sure to download first the latest firmware of your switch from the appropriate link above. As an alternative, you can follow the steps in [How to Download and Upgrade Firmware on any Device](#).

Step 1

Log in to the web-based utility of the switch and choose **Administration > File Management > Firmware Operations**.

▼ Administration 1

System Settings

Console Settings

Stack Management

Bluetooth Settings

User Accounts

Idle Session Timeout

▶ Time Settings

▶ System Log

▼ File Management 2

3 Firmware Operations

File Operations

Step 2

On the *File Operations* page:

1 Click the **Update Firmware** radio button as the Operation Type.

2 Click the **HTTP/HTTPS** radio button as the Copy Method.

3 For the File Name, click **Choose File** and locate the previously downloaded firmware file from your computer.

Firmware Operations

Active Firmware File: image1.bin

Active Firmware Version: 4.0.0.91

Operation Type: 1 Update Firmware

Backup Firmware

Swap Image

Copy Method: 2 HTTP/HTTPS

USB

TFTP

SCP (File transfer via SSH)

⚙️ File Name:

3

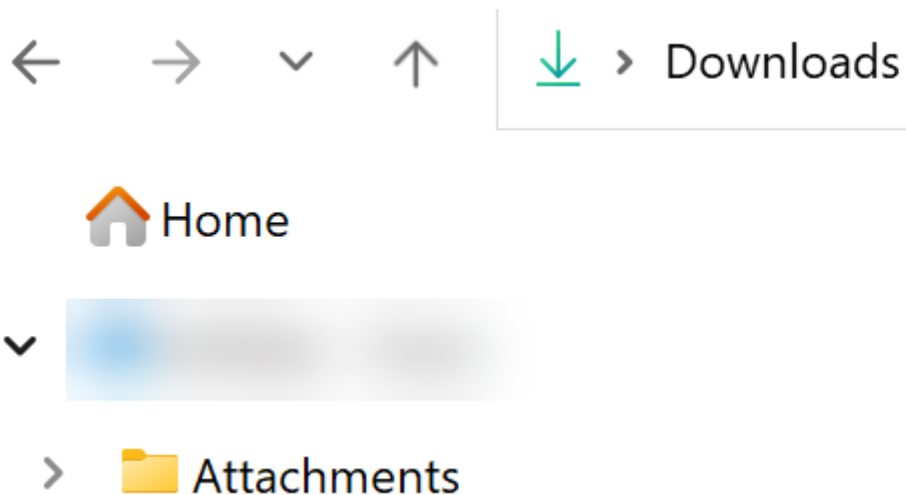
Browse...

No file selected.

Note: Choose **USB** if you would like to transfer firmware to the switch using a USB flash drive.

Step 3

Choose the file then click **Open**.



Step 4

Click **Apply**.

Firmware Operations

Reboot the Switch

For the upgraded firmware version to be applied, the switch must be rebooted.

Step 1

Choose **Administration > Reboot**.

▼ Administration 1

System Settings

Console Settings

Stack Management

Bluetooth Settings

User Accounts

Idle Session Timeout

▶ Time Settings

▶ System Log

▶ File Management

Reboot 2

Step 2

On this page, enter the following:

â—• Ensure the default of **Immediate** is selected.

â—• (Optional) Check the **Restore to Factory Defaults** or **Clear Startup Configuration File** check boxes if desired. With either option chosen, the switch essentially performs a factory default reset since both the running and startup configurations will be deleted upon reboot.

â—• Click **Reboot**.

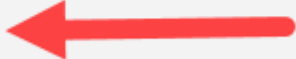
Reboot

To reboot the device, click the 'Reboot' button.

Reboot: Immediate **1**

Date Time

In Days Hours Min

Restore to Factory Defaults 

Clear Startup Configuration File

The switch will then reboot. This process may take a few minutes.

Conclusion

Nice work! You should now have successfully upgraded the firmware of your switch.

Check out the following pages for more information on the Catalyst 1200 and 1300 switches.

[Why Upgrade to Cisco Catalyst 1200 or 1300 Series Switches Feature Comparison](#)

[Cisco Catalyst 1200 and 1300 Series Switches At-a-Glance](#)

For other configurations and features, refer to the Catalyst series [Administration Guide](#).