Firmware version update guide for MES5312, MES5332A, MES5324A, MES5316A network switches

Firmware update via CLI

To update the firmware using CLI, you need to connect to the switch using a terminal program (such as HyperTerminal) via Telnet or SSH, or via serial port.

Terminal program configuration when connecting to the switch via serial port:

1. Select the corresponding serial port;
2. Set the data transfer rate to 115200 baud;
3. Specify the data format: 8 data bits, 1 stop bit, non-parity;
4. Disable hardware and firmware data flow control;
5. Specify VT100 terminal emulation mode (many terminal applications use this emulation mode by default).

1. System firmware upload to non-volatile switch memory

To upload the system firmware file, you need to enter the following command in the CLI:

boot system tftp://<ip address>/<File Name>,
where

- *<ip address>* — IP address of the TFTP server from which the system firmware file will be downloaded;
- *<File Name>* — system firmware file name.

and click Enter. In the terminal program window the following should appear:

```
%COPY-I-FILECPY: Files Copy - source URL tftp://<ip address> /mes5300a-
611-R2.ros destination URL flash://system/images/mes5300a-611-R2.ros
```

If the system firmware file upload was successful, the following message will appear:

```
%COPY-N-TRAP: The copy operation was completed successfully
Copy: 24147296 bytes copied in 00:00:39 [hh:mm:ss]
```

If the switches are in stack, the firmware update will be made for all stack units.

2. Selecting the system firmware file that will be active after rebooting the switch

The system firmware file is loaded into the inactive memory area by default and will be active after the switch is rebooted.

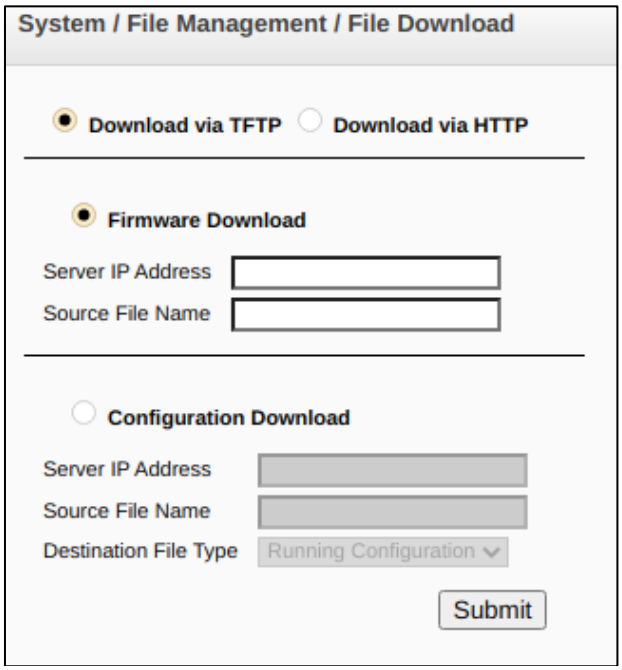
3. Switch reboot

To reboot the switch, execute the *reload* command.

Firmware update via web interface

1. System firmware file upload to non-volatile switch memory

To upload the firmware via web interface go to *System/File Management/File Download:*



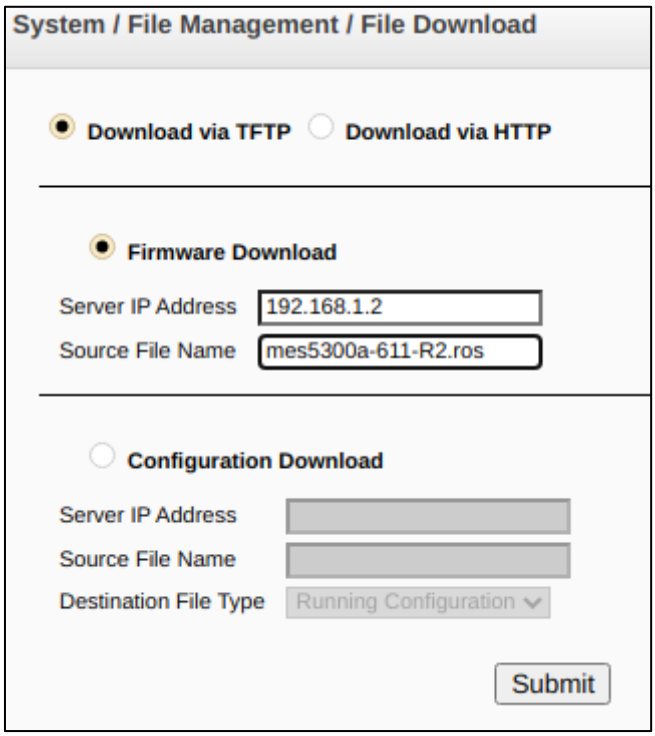
There are 2 methods to upload the firmware file via web interface: using TFTP server or using HTTP server.

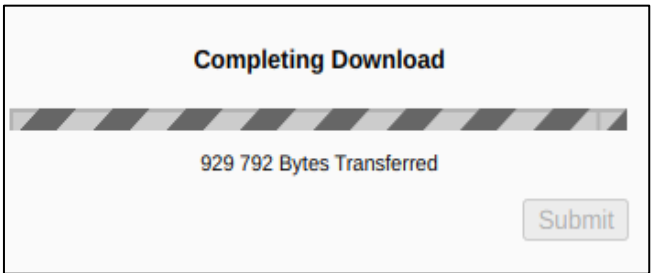
➢ **System firmware file upload via TFTP server**

To upload the firmware using TFTP server, you need to set up the ***«Download via TFTP»*** flag. After that you need to set up the ***«Firmware Download»*** flag and fill in the following fields:

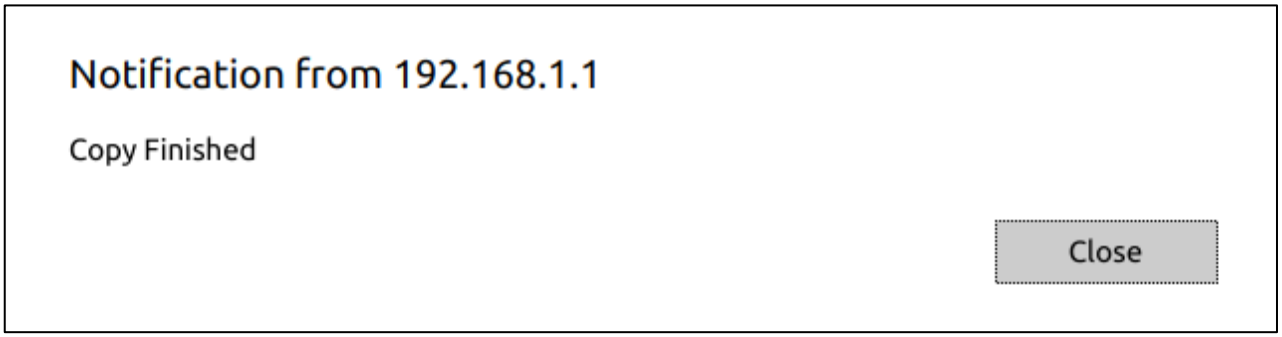
- Server IP Address — IP address of the TFTP server from which the system firmware file will be downloaded;
- Source File Name — system firmware file name.

To start the file upload click the ***«Submit»*** button. Status bar of the system firmware file upload will be displayed on a page.



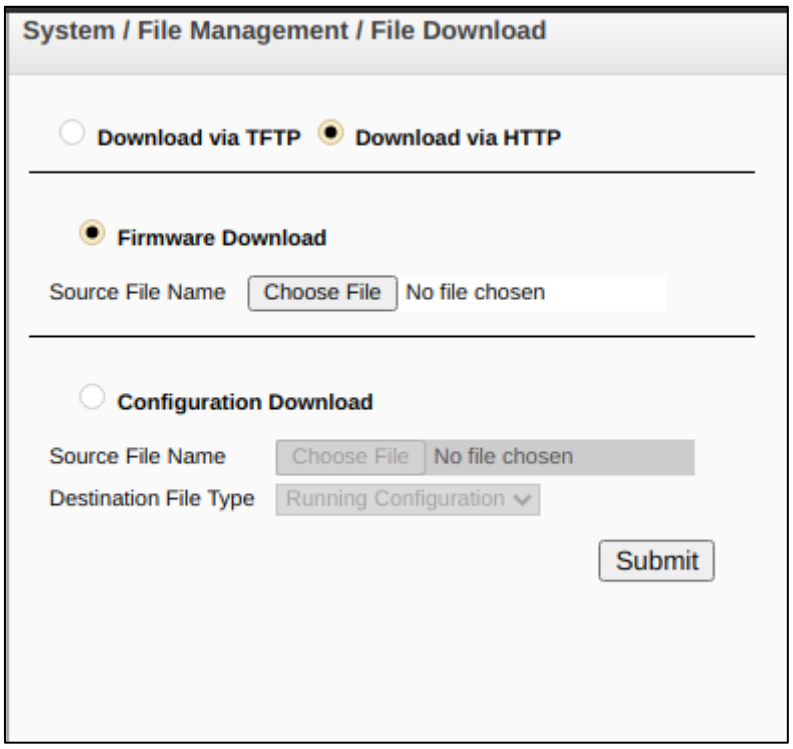


When the file upload is complete, the following window will be opened:

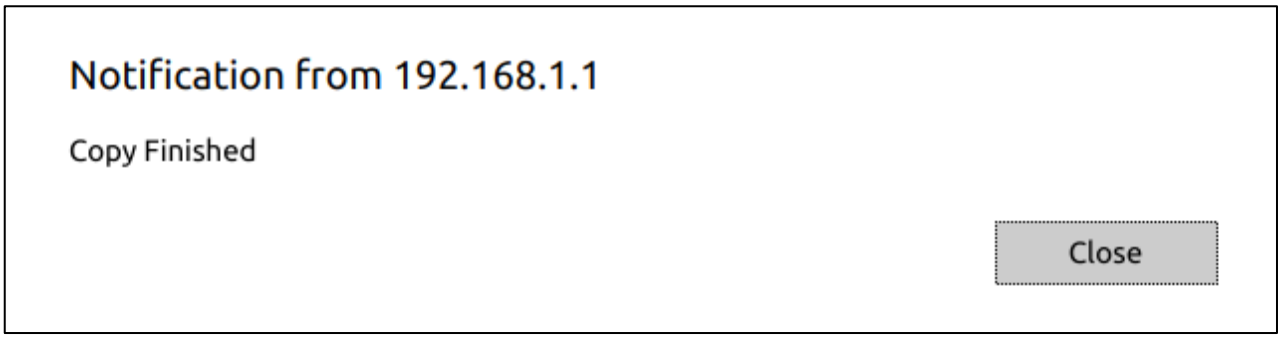


➢ **System firmware file upload via HTTP server**

To upload the firmware using HTTP server, you need to set up the ***«Download via HTTP»*** flag at the *System/File Management/File Download* page. Then the ***«Firmware Download»*** should be set up. After that you need to set up the path to the system firmware file, using ***«Choose file»*** button.



To start the file upload click the ***«Submit»*** button and wait for the following message to appear:

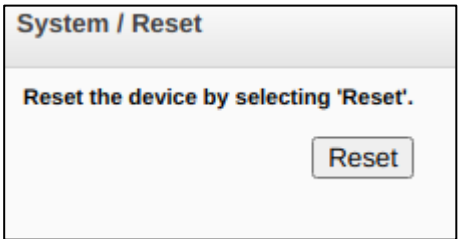


2. Selecting the system firmware file that will be active after rebooting the switch

The system firmware file is loaded into the inactive memory area by default and will be active after the switch is rebooted.

3. Switch reboot

To reboot the switch, go to the *System/Reset* and click «***Reset»***.



The switch will be loaded with the new firmware version.