Dell™ Networking X1008, X1008P, X1018, X1018P, X1026, X1026P, X1052, X1052P & X4012

Upgrade Procedure of Dell™ Networking X10xx and X4012 Switches

Using Web Management Interface

Date: Dec 2018

X1000-X4000 Series Software Upgrade Instructions

This section contains instructions for downloading device software (software and boot images) using and HTTP connection or through a TFTP server. The TFTP server must be configured before downloading the software. The images are downloaded and once completed the device is reloaded to activate the images.

NOTE: This release contains the following firmware image files:

File Name	Description
X10xx-3011.ros	System firmware image for X1008/P, X1018/P, X1026/P, X1052/P switches
X10xx_boot-10025.rfb	Boot code for X1000 Series switches
x4012-3011.ros	System firmware image for X4012 switches
x4012_boot-10010.rfb	Boot code for X4012 switches

NOTE: Unmanaged mode is the default mode when using the device for the first time. To move back to managed mode press the management mode button for at least 7 seconds.

Configure IPv4 Address on Device

To download an image from a TFTP server, ensure that an IP address is configured on one of the device ports and pings can be sent to the TFTP server. In addition, ensure that the file to be downloaded is saved on the TFTP server. To configure an IPv4 address on the device:

1. Connect to the serial port (default setting 9600 baud, 8 data bits, no start bits, 1 stop bits) and enter the CLI mode.

2. Ensure that an IP address is assigned to at least one port or VLAN on the switch. By default IP address 192.168.2.1 is assigned to VLAN 1, or if the switch is connected to a DHCP server VLAN 1 IP address will update to the DHCP assigned address. Use the following commands to review, and assign an IP address to VLAN 1 (this example uses IP address 10.10.10.101). All ports are a member in VLAN 1 by default.

   ```
   console# config
   console# interface vlan 1
   console(config-if)# ip address 10.10.10.101/24
   console(config-if)# exit
   console(config)# exit
   console#

   To view the IP address assignment:
   console# show ip interface
   ```

Connect to the switch using the assigned IPv4 address in your browser with default credentials (admin/admin).

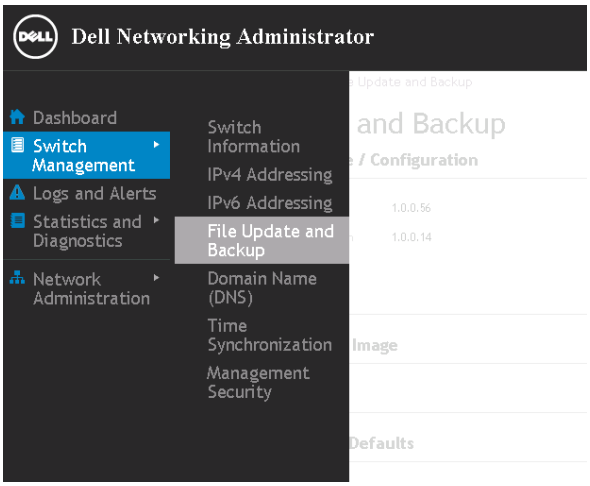
Boot Image Download

Loading a new boot image from HTTP or a TFTP server updates the boot image. The boot image is loaded when the device is powered on. A user has no control over the boot image copies. The boot image must be loaded before the software image.

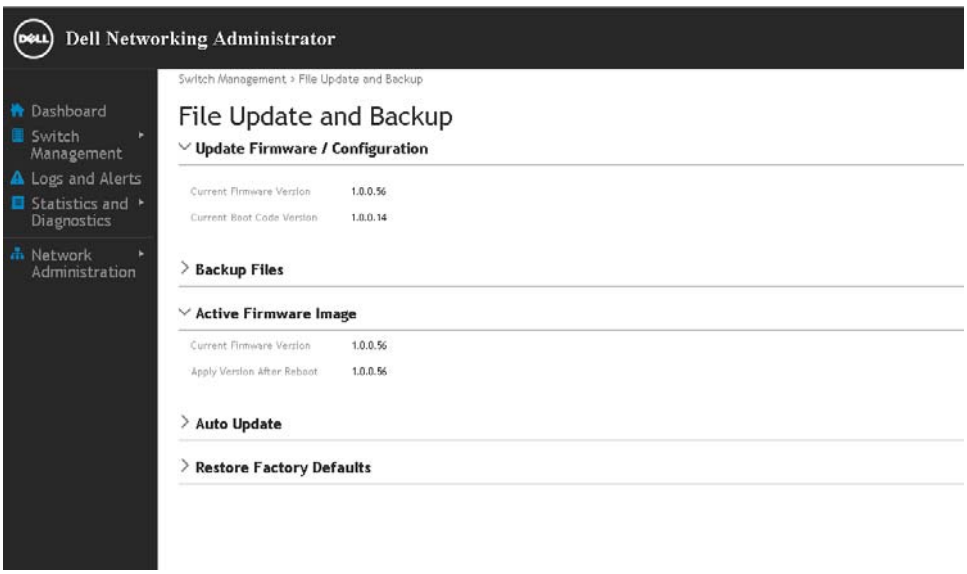
A boot image can be downloaded using HTTP, or from a TFTP server. To download a boot image:

NOTE: If using TFTP a TFTP server must be on the network and the switch software must be accessible by the TFTP server before attempting to download the switch software by TFTP. See Configure an IPv4 Address on Device section.

1 From the left navigation menu in the GUI, **select Switch Management**, **File Update and Backup**.



2 At the File Update and Backup Page, **click on chevron for Active Image** to review current software image information.



3 Select Edit on the Update Firmware / Configuration option.

4 An example for TFTP software upgrade is given below. Items that will need to be provided include selecting IPv4 format, File Type Firmware Download, Update Method TFTP, Server IP Address of the TFPT server, Source File Name which is the boot code filename in this example, Destination File Type is Boot Code, and Destination File Name is grayed out since this is not necessary for TFTP upgrade.

An example for HTTP software upgrade is given below. Items that will need to be provided include selecting IPv4 format, File Type Firmware Download, Update Method HTTP, Server IP Address is grayed out since HTTP is using the local server, then select Choose File to select the Source File Name which is the boot code filename in this example, Destination File Type is Boot Code, and Destination File Name is grayed out since this is not necessary for TFTP upgrade

5 Select OK button at the bottom of the Edit Update Firmware / Configuration page. The boot code firmware update will proceed and a reboot of the system will be required. On the Dell Networking Administrator Application masthead **select the Tools icon**, then **select Reboot Switch** option.

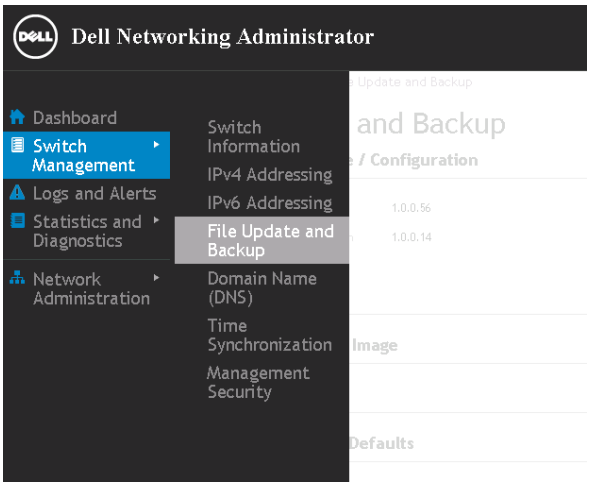
Software Image Download

After the device loads the boot image, the primary software image is decompressed from the primary flash memory area and is loaded automatically. When a new image is downloaded, it is saved in the secondary memory space allocated in the flash memory for a second software image copy. On the next boot, the device decompresses and runs the image from the selected software image memory space as the active image.

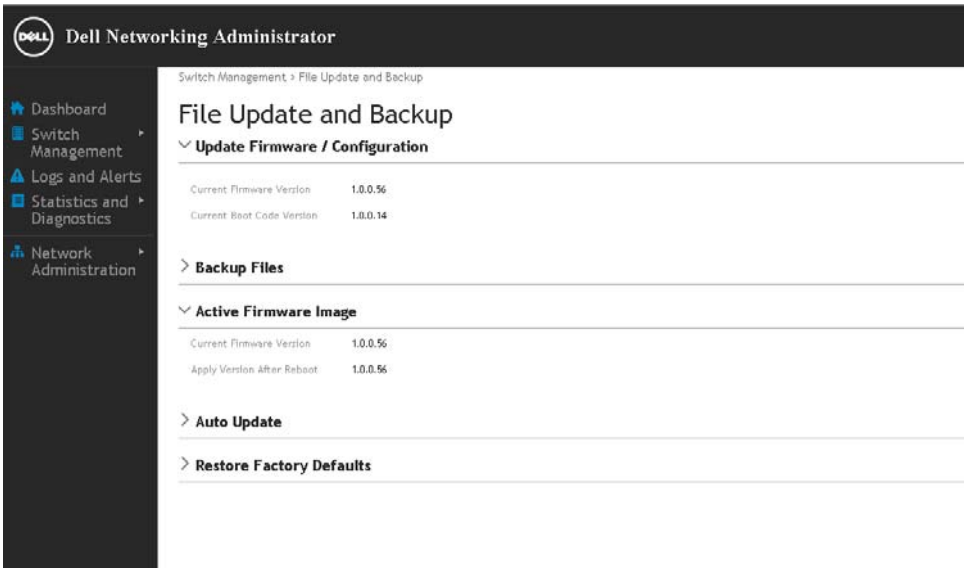
A software image can be downloaded using HTTP, or from a TFTP server. To download a software image:

NOTE: If using TFTP a TFTP server must be on the network and the switch software must be accessible by the TFTP server before attempting to download the switch software by TFTP. See Configure IPv4 Address on Device section.

1 From the left navigation menu in the GUI, **select Switch Management**, **File Update and Backup**.



2 At the File Update and Backup Page, **click on chevron for Active Image** to review current software image information.



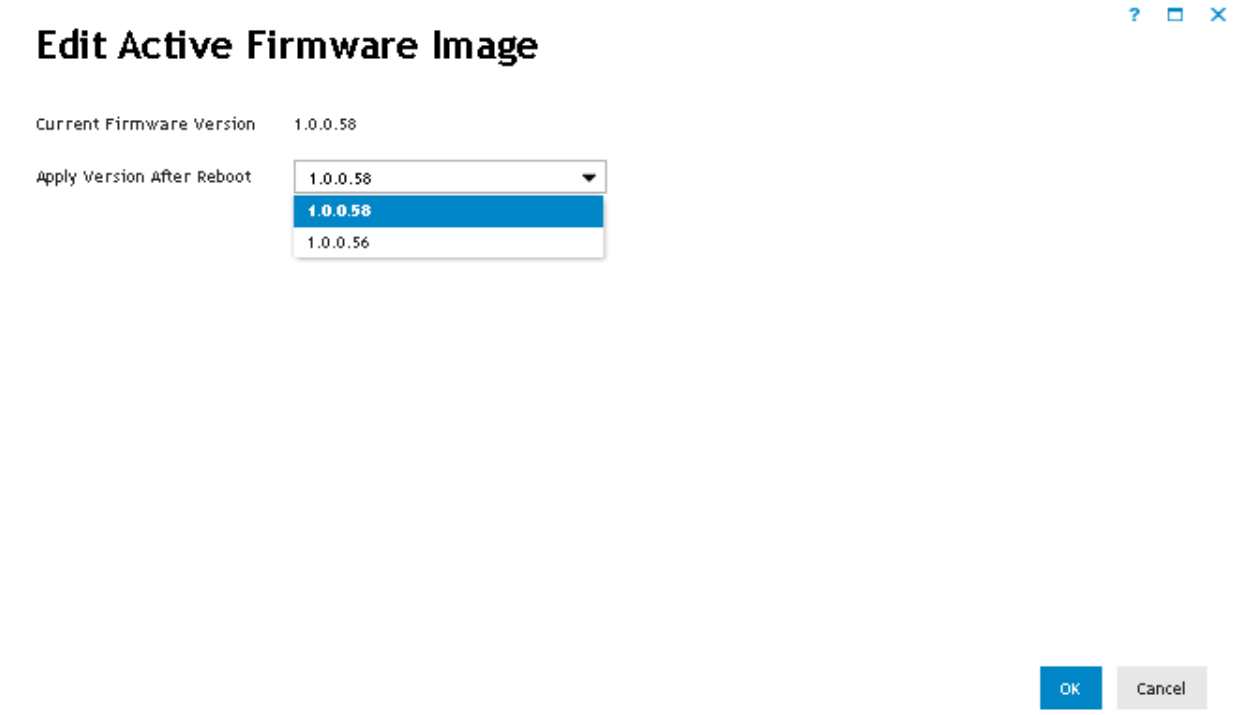
Clicking on the chevron for Update Firmware / Configuration will provide the current software image information.

3 Select Edit on the Update Firmware / Configuration option.

4 An example for TFTP software upgrade is given below. Items that will need to be provided include selecting IPv4 format, File Type Firmware Download, Update Method TFTP, Server IP Address of the TFPT server, Source File Name which is the software image filename in this example, Destination File Type is Software Image, and Destination File Name is grayed out since this is not necessary for TFTP upgrade.

An example for HTTP software upgrade is given below. Items that will need to be provided include selecting IPv4 format, File Type Firmware Download, Update Method HTTP, Server IP Address is grayed out since HTTP is using the local server, then select Choose File to select the Source File Name which is the software image filename in this example, Destination File Type is Software Image, and Destination File Name is grayed out since this is not necessary for TFTP upgrade

5 Click on Edit Active Firmware Image chevron to set the next boot active image. In the Apply Version After Reboot drop down **select the software image version** to boot on next reboot.



6 Select OK button at the bottom of the Edit Update Firmware / Configuration page. The software image firmware update will proceed and a reboot of the system will be required. On the Dell Networking Administrator Application masthead **select the tools icon,** then **select Reboot Switch** option.