



Universal Wired Switch Installation Guide: OS Selection

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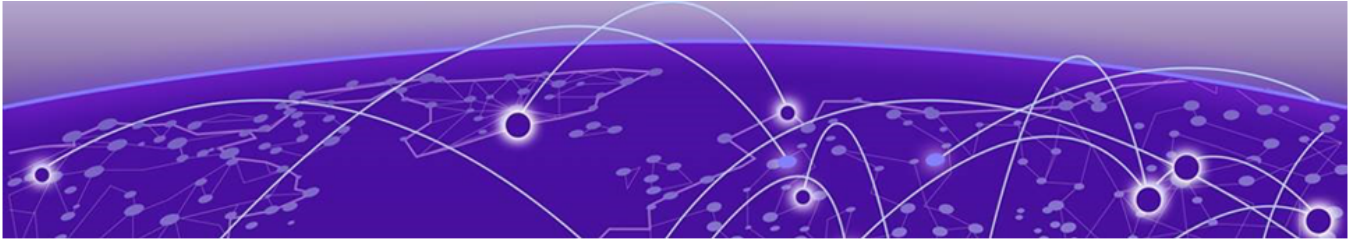
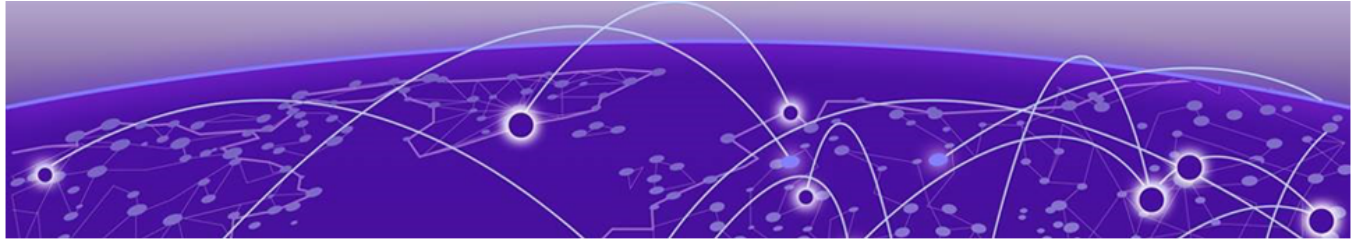


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The ExtremeSwitching universal switches enable you to choose from among the Extreme flagship operating systems to install and run on your switch:

- Switch Engine
- Fabric Engine

Extreme recommends onboarding your switch with ExtremeCloud IQ (XIQ). Log in or create your XIQ administrator account in order to select your switch OS with XIQ at: <https://extremecloudiq.com>

Operating system selection and activation can be done through the following:

1. XIQ – automatically by pre-selecting the preferred switch OS.
2. Bootloader menu – option to change the switch OS on initial activation only.
3. Startup menu in Switch Engine CLI – post-Bootloader menu prompt.



Note

Upgrade to a generally available (GA) version of the software before using the switch. The recommended software release for Switch Engine and Fabric Engine is available at:

<https://www.extremenetworks.com/support/compatibility-matrices/>

Initial OS Selection

This section describes Universal Hardware OS selection for factory-shipped devices.

Selecting your switch OS with XIQ

Use this task to auto-activate the preferred switch OS once in XIQ.

1. Under **Add Devices**, select the OS you want to run, then select **Next**.

The preferred switch OS can also be selected as part of bulk onboarding using the CSV file option.

2. Complete the remaining onboarding steps. Optionally, you can skip to the summary.

3. Once you have reviewed your selections, select **Finish**. XIQ sends an image update request to the switch.

Changing your switch OS with XIQ – Site Engine

Use this task to change your switch OS with XIQ – Site Engine through the ZTP+ feature.

1. Upload the Fabric Engine firmware image to both the TFTP and SFTP directories, located in **Network > Firmware > Upload**.
2. Set the Fabric Engine firmware image located in the SFTP directory as a reference image.
3. Set the **NOS Persona Change** to "To Fabric Engine" for the particular site or manually during the ZTP+ process.

For more information regarding the ZTP+ feature, see the documentation

located at: https://emc.extremenetworks.com/content/oneview/docs/network/devices/docs/sites/l_ov_site_tab.htm#ZTPDeviceDefaults

Selecting your switch OS with the Bootloader menu

Use this task to change the switch OS using the Bootloader menu.

1. Connect the switch to a console with a baud rate of 115200.
2. When the switch is powered for the first time, after after you see the Boot Menu screen, press the **spacebar** key within 30 seconds.
3. Use the **down-arrow** key to select "Change the switch OS to Fabric Engine", then select **Enter**.
4. The switch installs Fabric Engine and then resets.

Selecting your switch OS with the Startup menu

Use this task to change the switch OS if you take no action during the initial boot.

1. Connect to the switch using telnet, SSH, or console with a baud rate of 115200.
2. Login to the Switch Engine CLI with `username: admin` and no password, then select **Enter**.
3. The switch prompts you to choose which switch personality you want to use:

"Would you like to change the switch OS to Fabric Engine? [y/N/q]:"

- To select Switch Engine, type **N** or **q**.
- To select Fabric Engine, type **y**."

4. 4. Select **y**. The switch installs Fabric Engine and then resets.

Changing Your Switch OS After Initial Activation

This section describes changing your switch OS after initial configuration.

Changing your switch OS with XIQ

Use this task to change your switch OS with XIQ.

1. Log in to your XIQ Administrator account at <https://extremecloudiq.com>.
2. Use the wizard to select **Devices**.
3. Check all the devices you want to change.
4. Select **Actions** to bring up the actions drop-down menu.
5. Select **Change OS** to change your switch persona, then select **Save**.

Result: XIQ sends an image update request to the switch.

Upgrade the Network Operating System Image

Use this procedure in XIQ to upgrade the NOS:

1. Select all the devices you want to upgrade.
2. Use the wizard to select **Upgrade Devices**.
3. Select **Upgrade IQ Engine and Extreme Network Switch Images**.
4. Select **Upgrade to Latest Version**.
5. Check "Upgrade even if the versions are the same."



Note

Ensure step 5 is completed in the case of a Firmware Upgrade for Fabric Engine.

Changing your switch OS when running Switch Engine

To change the switch OS from Switch Engine to Fabric Engine, see **Changing the Network Operating System** in the *Switch Engine User Guide*.

Changing your switch OS when running Fabric Engine

To change the switch OS from Fabric Engine to Switch Engine, see **Network Operating System Personalities** in the *Fabric Engine User Guide*.