

Upgrading the console switch firmware

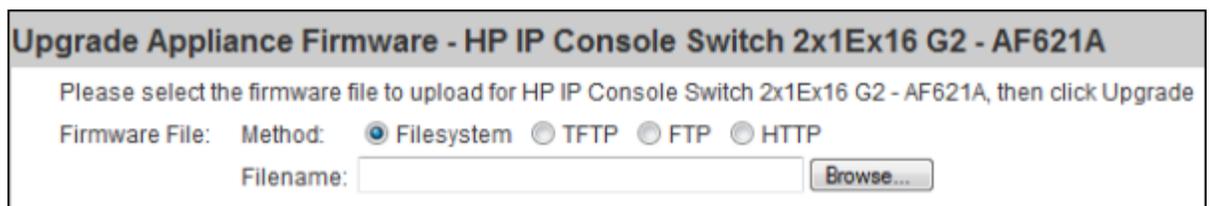
HP recommends updating your console switch with the latest firmware available.

- △ **CAUTION:** Do not disconnect an interface adapter during a firmware upgrade or power cycling. The interface adapter becomes inoperable and must be returned to the factory for repair.

After the Flash memory is reprogrammed with the upgrade, the console switch performs a soft reset, terminating all interface adapter sessions. Any console switch receiving a firmware update might appear disconnected or might not appear. The console switch appears again with a normal status once the Flash update is complete.

To update the console switch firmware:

1. Select **Unit View>Appliance>Overview**. The Unit Overview page appears.
2. From the Tools list, select **Upgrade Firmware**.



Upgrade Appliance Firmware - HP IP Console Switch 2x1Ex16 G2 - AF621A

Please select the firmware file to upload for HP IP Console Switch 2x1Ex16 G2 - AF621A, then click Upgrade

Firmware File: Method: Filesystem TFTP FTP HTTP

Filename:

NOTE: The Filesystem option is only available if you are logged in from the remote OBWI.

3. Select one of the following options to load the firmware file:
 - **Filesystem**—Select Browse to specify the location of the firmware upgrade file.
 - **TFTP**—Enter the server IP address and firmware file to load.
 - **FTP**—Enter the server IP address and firmware file to load. A username and password is required for authentication.
 - **HTTP**—Enter the server IP address and firmware file to load. A username and password is required for authentication.

Upgrading the firmware

Upgrading the firmware

The console switch upgrade feature enables you to upgrade the console switch and interface adapters with the latest available firmware through the local UI or remote OBWI.

Before beginning the upgrade procedure, be sure that the Secure TFTP Server is installed and that the GET access permissions for the folder where the updated file is located are selected. Also, be sure that the console switch is on the same network as the computer that is being used for the upgrade. After the TFTP has been enabled, then upgrade the console switch firmware.

Enabling TFTP for Microsoft Windows operating systems

To enable TFTP for Microsoft® Windows® operating systems, follow the instructions in the \TFTP\TFTP Install Instructions.txt file on the CD included with the console switch or the Softpaq TFTP directory.

Enabling TFTP for Linux operating systems

TFTP is provided by the TFTP server RPM (RPM-IVH/Redhat/RPMS/) for most systems using RPM packages. Depending on the type of distribution, the Internet services daemon is provided by xinetd.

NOTE: The following example uses Red Hat Linux 3.0. For more information, refer to your Linux operating system Help or documentation.

NOTE: By default, TFTP executes in secure mode and only provides readable files under the /tftpboot directory. Other directories can be specified through the /etc/xinetd.d/tftp files. In secure mode, TFTP expects the file to be relative to the /tftpboot directory.

To enable TFTP for Linux operating systems (GNOME):

1. In the GNOME viewer go to the main menu and select **Programs>System>Service Configuration**.
2. In the Service Configuration menu, verify that the xinetd checkbox is selected to start at boot.
-or-
If the checkbox is not selected, select the box and click **Save**.
3. Find **TFTP** in the list of services and highlight it.
4. Select the checkbox to start TFTP at boot, and then click **Save**.

To enable TFTP for Linux operating systems (KDE):

1. Go to the main menu and select **Control Panel>Services**.
2. In the Service Configuration menu, verify that the xinetd checkbox is selected to start at boot.

-or-

If the checkbox is not selected, select the box and click **Save**.

3. Find TFTP in the list of services and highlight it.
4. Select the checkbox to start TFTP at boot, and then click **Save**.

Verifying TFTP for Linux operating systems

NOTE: The following example uses Red Hat Linux 3.0. For more information, refer to your Linux operating system Help or documentation.

1. Verify that the `in.tftpd` service is running with the following `ps -ef | grep tftpd`.
By default the `/etc/xinetd.d/tftp` configuration file uses `/tftpboot` as the directory.
2. Create a `/tftpboot` directory (if it doesn't exist) and set the permissions for public access.
3. Copy the firmware file to `/tftpboot`.
4. Cd to `/tmp`.
5. From the shell prompt, enter `tftp localhost` (or name of local system).
6. Download the file by entering the following command: `get/tftpboot/filename`
7. Enter `quit`.
8. From the shell prompt, check to see if the file is in the `/tmp` directory.

If the TFTP is configured correctly, the preceding steps transfer the file to the current directory.

Upgrading the interface adapter firmware

Interface adapters can be automatically updated when the console switch firmware is upgraded, if you have Auto-Upgrade enabled. If issues occur during the normal upgrade procedure, interface adapters might require a force upgrade.

To upgrade the interface adapter firmware:

1. Select **Unit View>Appliance>Appliance Settings>Ports>IAs**. The Appliance IAs page appears.
2. Select the checkbox next to the interface adapter you want to upgrade.
3. Select **Upgrade**.