Upgrade 2109-F32 Firmware Using the CLI

Before beginning the firmware download, make sure to have **IP address**, **user name** of the host machine and **IP address of the switch**. Make sure that the current switch configuration data has been saved, it must be available for reload if needed.

If you are not sure the current switch configuration data is available, see Telnet commands **"configUpload"** and **"configDownload"** in the Brocade OS Reference, version 4.x.x for the procedure to upload and download the switch configuration file.

Verify that the FTP service is running on the host workstation (or on a Windows machine).

1. New firmware for the 2109-F32 can be fount at:
   http://www-1.ibm.com/servers/storage/support/san/2109f32.html

2. Download and save the latest firmware into a directory. Un-zip file into root directory ("When the v4.1.x firmware is unzipped, it creates a folder and a set of firmware files. Use the following directory and file name when downloading this firmware to the switch: /v4.1.0/release.plist).

3. Start a Telnet session to the switch over Ethernet LAN-attached that has connectivity to the switch.
   Format is: c:\>telnet [switch IpAddress]

4. Login using the admin userid: login: admin

5. Password: (switch's password)

6. Use command firmwareDownload to download new firmware to the switch.

7. Example: (firmware version 4.1.2)

```
    SF32SW1:admin> firmwaredownload
    You can run firmwareDownloadStatus to get the status
    of this command.

    This command will cause the switch to reset and will
    require that existing telnet, secure telnet or SSH
    sessions be restarted.

    Do you want to continue [Y]: Y
    Server Name or IP Address: 192.168.1.148  (Workstation IPaddress)
    User Name: blueSky                        (Workstation userId)
    File Name: c:/v4.1.2/release.plist
    Password:                                 (FTP service password)
    Firmwaredownload has started.
    Start to install packages......
    dir
    ##################################################
    setup
    ##################################################
    ...........
    ...........
    fwdl
    ##################################################
```

```
    prom
    ##################################################

    Please avoid powering off the system during prom update.
    kernel
    ##################################################
    swb
    ##################################################
    ...........
    ...........
    fastcgi
    ##################################################
    fabos-webtools
    ##################################################
    tz
    ##################################################
    Write kernel image into flash.
    .............
    .............
    VerificD
    All packages have been downloaded successfully.
    Firmwaredownload has completed successfully.
    HA Rebooting ...
```

8. Start a Telnet session to the switch over Ethernet LAN-attached that
   has connectivity to the switch.
   Format is: c:\>telnet [switch IpAddress]

   ```
   SF32SW1 login: admin
   Password:
   ```

9. Use command firmwareshow to check switch's firmware (You may have to
   run this command more then one time to see new firmware on both
   partitions).

   ```
   SF32SW1:admin> firmwareshow
   Primary partition:      v4.1.2
   Secondary Partition:    v4.1.2
   SF32SW1:admin>
   ```