

# Release Notes:

## Version J.14.01 Software

### *for HP ProCurve 2520G Switches*

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Release J.14.*xx* supports the HP ProCurve 2520G-8-PoE (J9298A) and 2520G-24-PoE (J9299A) switches.

These release notes include information on the following:

- Downloading switch software and documentation from the Web ([page 3](#))
  - Updating switch software ([page 3](#))
  - Support notes and clarifications for selected software features ([page 8](#))
  - Known Issues for a release ([page 8](#))
  - A listing of software enhancements in these releases ([page 8](#))
  - A listing of software fixes included in releases ([page 8](#))
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## Related Publications

- *HP ProCurve Switch Software Management and Configuration Guide (2520G Switches)*
- *HP ProCurve Switch Software Advanced Traffic management Guide (2520G Switches)*
- *HP ProCurve Switch Software Access Security Guide (2520G Switches)*
- *HP ProCurve Switch Software IPv6 Configuration Guide (2520G Switches)*

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**Publication Number**

5992-4982  
October 2009

**Applicable Products**

HP ProCurve Switch 2520G-8-PoE (J9298A)  
HP ProCurve Switch 2520G-24-PoE (J9299A)

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# Software Management

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## Software Updates

Check the HP ProCurve Web site frequently for switch software updates.

## Downloading Switch Software and Documentation from the Web

You can download software updates and the corresponding product documentation from the HP ProCurve Web site as described below.

### To Download a Software Version:

Go to the HP ProCurve Web site at [www.hp.com/go/procurve/software](http://www.hp.com/go/procurve/software)


### To View or Download Product Documentation:

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**Note** You will need the Adobe® Acrobat® Reader to view the product documentation.

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Go to the HP ProCurve Web site at [www.hp.com/go/procurve/manuals](http://www.hp.com/go/procurve/manuals).

1. Select the product for which you want documentation.
2. On the resulting Web page, double-click on a document you want.
3. When the document file opens, click on the disk icon  in the Acrobat® toolbar to save a copy of the file.

## Updating the Switch Software

After you acquire the new software file, you can use one of the following methods for downloading it to the switch:

- For a TFTP transfer from a server, use the Command Line Interface (CLI) to do either of the following:
  - Enter **menu** and select **Download OS** in the Main Menu of the switch's menu interface. Then use the (default) **TFTP** option.
  - Use the **copy tftp** command in the switch's CLI (see below).
- For an Xmodem transfer from a PC or Unix workstation, do either of the following:
  - Enter **menu** and select **Download OS** in the Main Menu of the switch's menu interface. Then select the **Xmodem** option.
  - Use the **copy xmodem** command in the switch's CLI (page 7).
- Use your Web browser to access the embedded Web server on the switch. See the Help for instructions on updating the switch software.
- Use the download utility in ProCurve Manager Plus. See the ProCurve Manager help system and documentation.

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**Note** Updating the switch with new software does not change the current switch configuration. The switch configuration is contained in a separate file that can also be transferred, for example, for archive purposes or to be used in another switch of the same model.

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For more information on updating switch software, refer to the *Management and Configuration Guide* for your switch.

## TFTP Download from a Server

**Syntax:** copy tftp flash <ip-address> <remote-os-file> [ < primary | secondary > ]

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**Note** If you do not specify the flash destination, the TFTP download defaults to the primary flash memory. We recommend that you download a new software version to secondary flash. A corrupted download, for example, may require a cold-reset, which will attempt to boot from primary flash.

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For example, to download a software file named J\_14\_xx.swi from a TFTP server with the IP address of 10.28.227.103:

1. Execute the copy command as shown below:

```
ProCurve # copy tftp flash 10.28.227.103 J_14_xx.swi
The primary OS image will be deleted. continue [y/n]? Y
03125K
```

2. When the switch finishes downloading the software file from the server, it displays the progress message

```
Validating and Writing System Software to FLASH...
```

3. When the CLI prompt re-appears, the switch is ready to reboot to activate the downloaded software:

- a. Use the **show flash** command to verify that the new software version is in the expected flash area (primary or secondary)
- b. Reboot the switch from the flash area that holds the new software (primary or secondary), using the following command:

**Syntax:** boot system flash [ < primary | secondary > ]

After the switch reboots, it displays the CLI or Main Menu, depending on the **Logon Default** setting last configured in the menu's Switch Setup screen.

4. Verify the software version by displaying the system information for the switch (for example, through the **show system-information** command), and viewing the Software revision field.

## Xmodem Download From a PC or Unix Workstation

This procedure assumes that:

- The switch is connected via the Console RS-232 port to a PC operating as a terminal. (Refer to the *Installation and Getting Started Guide* you received with the switch for information on connecting a PC as a terminal and running the switch console interface.)
- The switch update software is stored on a disk drive in the PC.
- The terminal emulator you are using includes the Xmodem binary transfer feature. (For example, in the HyperTerminal application included with Windows NT, you would use the Send File option in the Transfer drop-down menu.)

Using Xmodem and a terminal emulator, you can download a switch software file to either primary or secondary flash using the CLI.

**Syntax:** `copy xmodem flash [< primary | secondary >]`

1. To reduce the download time, you may want to increase the baud rate in your terminal emulator and in the switch to a value such as 115200 bits per second. (The baud rate must be the same in both devices.) For example, to change the baud rate in the switch to 115200, execute this command:

```
ProCurve(config)# console baud-rate 115200
```

(If you use this option, be sure to set your terminal emulator to the same baud rate.)

Changing the console baud-rate requires saving to the Startup Config with the **write memory** command. Alternatively, you can logout of the switch and change your terminal emulator speed and allow the switch to AutoDetect your new higher baud rate (i.e. 115200 bps)

2. Execute the following command in the CLI:

```
ProCurve # copy xmodem flash primary
The primary OS image will be deleted. continue [y/n]? Y
Press 'Enter' and start XMODEM on your host...
```

3. Execute the terminal emulator commands to begin the Xmodem transfer. For example, using HyperTerminal:
  - a. Click on **Transfer**, then **Send File**.
  - b. Type the file path and name in the **Filename** field.
  - c. In the Protocol field, select **Xmodem**.
  - d. Click on the **Send** button.

The download can take several minutes, depending on the baud rate used in the transfer.

4. If you increased the baud rate on the switch ([step 1](#)), use the same command to return it to its previous setting. (ProCurve recommends a baud rate of 9600 bits per second for most applications.) Remember to return your terminal emulator to the same baud rate as the switch.)
5. Use the **show flash** command to verify that the new software version is in the expected flash area (primary or secondary)
6. Reboot the switch from the flash area that holds the new software (primary or secondary).

After the switch reboots, it displays the CLI or Main Menu, depending on the **Logon Default** setting last configured in the menu's Switch Setup screen.

## Saving Configurations While Using the CLI

The switch operates with two configuration files:

- **Running-Config File:** Exists in volatile memory and controls switch operation. Rebooting the switch erases the current running-config file and replaces it with an exact copy of the current startup-config file. To save a configuration change, you must save the running configuration to the startup-config file.
- **Startup-Config File:** Exists in flash (non-volatile) memory and preserves the most recently-saved configuration as the “permanent” configuration. When the switch reboots for any reason, an exact copy of the current startup-config file becomes the new running-config file in volatile memory.

When you use the CLI to make a configuration change, the switch places the change in the running-config file. If you want to preserve the change across reboots, you must save the change to the startup-config file. Otherwise, the next time the switch reboots, the change will be lost. There are two ways to save configuration changes while using the CLI:

- Execute **write memory** from the Manager, Global, or Context configuration level.
- When exiting from the CLI to the Main Menu, press **[y]** (for Yes) when you see the “save configuration” prompt:

```
Do you want to save current configuration [y/n]?
```

## ProCurve Software Code Designations

Software Letter	ProCurve Networking Products
<b>C</b>	1600M, 2400M, 2424M, 4000M, and 8000M
<b>CY</b>	Switch 8100fl Series (8108fl and 8116fl)
<b>E</b>	Switch 5300xl Series (5304xl, 5308xl, 5348xl, and 5372xl)
<b>F</b>	Switch 2500 Series (2512 and 2524), Switch 2312, and Switch 2324
<b>G</b>	Switch 4100gl Series (4104gl, 4108gl, and 4148gl)
<b>H</b>	Switch 2600 Series, Switch 2600-PWR Series: H.07.81 and earlier, or H.08.55 and greater, Switch 2600-8-PWR requires H.08.80 or greater. Switch 6108: H.07.xx and earlier
<b>I</b>	Switch 2800 Series (2824 and 2848)
<b>J</b>	<b>J.xx.xx.biz</b> Secure Router 7000dl Series (7102dl and 7203dl)
<b>J</b>	<b>J.xx.xx.swi</b> Switch 2520G Series (2520G-8-PoE, 2520G-24-PoE)
<b>K</b>	Switch 3500yl Series (3500yl-24G-PWR and 3500yl-48G-PWR), Switch 6200yl-24G, 5400zl Series (5406zl, 5406zl-48G, 5412zl, 5412zl-96G), Switch 8212zl and Switch 6600 Series (6600-24G, 6600-24G-4XG, 6600-24XG).
<b>L</b>	Switch 4200vl Series (4204vl, 4208vl, 4202vl-72, and 4202vl-48G)
<b>M</b>	Switch 3400cl Series (3400-24G and 3400-48G): M.08.51 though M.08.97, or M.10.01 and greater; Series 6400cl (6400cl-6XG CX4, and 6410cl-6XG X2): M.08.51 though M.08.95, or M.08.99 to M.08.100 and greater.
<b>N</b>	Switch 2810 Series (2810-24G and 2810-48G)
<b>P</b>	Switch 1810G (1810G-8, 1810G-24)
<b>PA/PB</b>	Switch 1800 Series (Switch 1800-8G – PA.xx; Switch 1800-24G – PB.xx)
<b>Q</b>	Switch 2510 Series (2510-24)
<b>R</b>	Switch 2610 Series (2610-24, 2610-24/12PWR, 2610-24-PWR, 2610-48 and 2610-48-PWR)
<b>S</b>	Switch 2520 Series (2520-8-PoE, 2520-24-PoE)
<b>T</b>	Switch 2900 Series (2900-24G and 2900-48G)
<b>U</b>	Switch 2510-48
<b>W</b>	Switch 2910al Series (2910al-24G, 2910al-24G-PoE+, 2910al-48G, and 2910al-48G-PoE+)
<b>VA/VB</b>	Switch 1700 Series (Switch 1700-8 - VA and 1700-24 - VB)
<b>WA</b>	ProCurve Access Point 530
<b>WS</b>	ProCurve Wireless Edge Services xl Module and the ProCurve Redundant Wireless Services xl Module
<b>WT</b>	ProCurve Wireless Edge Services zl Module and the ProCurve Redundant Wireless Services zl Module
<b>Y</b>	Switch 2510G Series (2510G-24 and 2510G-48)
<b>numeric</b>	Switch 9408sl, Switch 9300 Series (9304M, 9308M, and 9315M), Switch 6208M-SX and Switch 6308M-SX (Uses software version number only; no alphabetic prefix. For example 07.6.04.)

# Support Notes and Clarifications

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## Release J.14.01

*Release J.14.01 is the original release.*

- **Duplicate ProCurve Software Code Designation** — Software versions for HP ProCurve 2520G switches and HP ProCurve Secure Router 7000dl Series are both designated by the prefix “J”. However, the 2520G switch software image files contain the extension “.swi”, while the Secure Router 7000dl Series image files contain the extension “.biz”. In addition, each image can only be installed on the proper device.

## Known Issues

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### Release J.14.01

*None, Release J.14.01 is the original release.*

## Enhancements

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Unless otherwise noted, each new release includes the enhancements added in all previous releases. Enhancements are listed in chronological order, oldest to newest software release.

### Release J.14.01 Enhancements

*None, Release J.14.01 is the original release.*

## Software Fixes

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Software fixes are listed in chronological order, oldest to newest software release. Unless otherwise noted, each new release includes the fixes added in all previous releases.

J.14.01 is the first software release for HP ProCurve 2520G switches.

### Release J.14.01

#### **Problems Resolved in Release J.14.01**

*None, Release J.14.01 is the original release.*





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October 2009

Manual Part Number  
5992-4982