

# HP 6400cl Switches

## Software Version M.08.141 Release Notes



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This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com)

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## HP Security Policy and Release Notes

Per HP policy, a Security Bulletin must be the first published notification of a security defect. Fixes to security defects are not documented in release notes, also by HP policy.

The official communication for security defect fixes will always be through HP Security Bulletins. For more information on security bulletins, and information on how to subscribe to them, please see <http://bizsupport2.austin.hp.com/bc/docs/support/SupportManual/c02645131/c02645131.pdf>.

Visit the HP Networking Web site for more information on security and HP Networking products:

<http://h17007.www1.hp.com/us/en/solutions/security/index.aspx>

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## Description

This software package contains an updated release of software for the HP 6400cl switches.

This document covers software versions beginning with M.08.117 . For information about earlier software versions, please see the M.08.116 release notes that are included in the current software zip file.

For the latest version of these release notes and HP switch user guides, visit the HP Networking manuals web page:

[www.hp.com/networking/support](http://www.hp.com/networking/support)

1. In the first text box, type the product name (e.g. 6400) or product number.
2. Select an appropriate product that displays in the dropdown list.
3. Click the **Display Selected** button.
4. Click **Product support information**.
5. Click **Manuals**.

## Update Recommendation

Routine

## Supersedes

M.08.140

## Product Models

HP 6400-6XG cl Switch (J8433A)  
HP 6410-6XG cl Switch (J8474A)

## Prerequisites

### Operating System and Web Browser Compatibility

The switch Web agent supports the following combinations of OS browsers:

| Operating System        | Supported Web Browsers                             |
|-------------------------|--|
| Windows XP SP3          | Internet Explorer 7, 8<br>Firefox 12               |
| Windows 7               | Internet Explorer 9, 10<br>Firefox 24<br>Chrome 30 |
| Windows 8               | Internet Explorer 9, 10<br>Firefox 24<br>Chrome 30 |
| Windows Server 2008 SP2 | Internet Explorer 8, 9<br>Firefox 24               |
| Windows Server 2012     | Internet Explorer 9, 10<br>Firefox 24              |
| Macintosh OS            | Firefox 24   |

## Installation Instructions

The *Basic Operation Guide* for your switch provides software installation and management information on the following topics:

- downloading switch documentation and software from the web
- saving configurations while using the CLI
- best practices for software updates

To access the guide, visit the HP Networking manuals web page. (See [“Description” on page 3.](#))

## Fixes

### Version M.08.117

Status: Released and fully supported, but not posted on the web.  
The following problem was resolved in software version M.08.117.

- **Meshing (PR\_0000004611, CR\_0000057500)** - Concurrent use of meshing and spanning tree may result in instability in spanning tree, with chronic root bridge transitions every 20 to 40 seconds.

### Version M.08.118

Status: Released and fully supported, but not posted on the web.  
The following problem was resolved in software version M.08.118.

- **802.1X (PR\_0000041041, CR\_0000063368)** -The switch may reach a point at which it will no longer be able to authenticate 802.1X clients until it is reloaded. The speed at which this occurs is dependent on the rate of 802.1X connection attempts.

### Version M.08.119

Status: Released and fully supported, but not posted on the web.  
The following problem was resolved in software version M.08.119.

- **Link (PR\_0000011708, CR\_0000059986)** -The fixed CX4 ports on the J8434A Switch c1 10-GbE CX4 Copper Module are sometimes reported by the switch to have link, but the Link LED is off and link is actually down.

### Version M.08.120

Status: Released and fully supported, but not posted on the web.  
The following problems were resolved in software version M.08.120.

- **Crash (PR\_0000043706, CR\_0000064419)** -When the switch processes many multi-line commands (multiple commands sent as a single entry), the switch might reboot unexpectedly with a message similar to `Software exception in ISR at btmDmaApi.c:289, -> ASSERT: No resources available!`
- **SSH (PR\_0000014531, CR\_0000060841)** -Rarely, after some period of time with normal SSH connectivity, the switch may become unresponsive to further SSH management.
- **Web Authentication (PR\_0000043490, CR\_0000064344)** -The output of the command **show port-access web-based clients** gives incorrect client information when a client has not been authenticated.

### Version M.08.121

Status: Released and fully supported, but not posted on the web.  
The following problems were resolved in software version M.08.121.

- **Crash (PR\_0000046463, CR\_0000065354)** -With two open SSH sessions, attempting to retrieve a public key file from a TFTP server might cause the switch to reboot unexpectedly with a message similar to `NMI event SW:IP=0x004c63dc MSR:0x0000b032 LR:0x00084c08 Task='tSsh1', Task ID=0x577b360, cr:0x22000082 sp:0x05&#x2D;7a9d8 xer:0x20000000`.
- **Flow Control (PR\_0000046477, CR\_0000065361)** -After rebooting the switch, a port configured for flow control might have flow control erroneously disabled.
- **Management (PR\_0000044146, CR\_0000064560)** -Ping and telnet to the switch fail at exactly 1243 days of uptime.

## Version M.08.122

Status: Released and fully supported, but not posted on the web.  
The following problem was resolved in software version M.08.122.

- **SSH (PR\_0000045158, CR\_0000064874)**- SSH login to the switch might fail.

## Versions M.08.123 through M.08.130

Status: Never released to the general public.

## Version M.08.131

Status: Released and fully supported, but not posted on the web.  
The following problems were resolved in software version M.08.131.

- **Console (PR\_0000001136, CR\_0000056337)** -Rarely, the switch console may hang after a software image transfer to the switch. Workaround: <Ctrl-C> will restore the command prompt.
- **Enhancement (PR\_0000066341, CR\_0000072917)** -Display Transceiver Command. Adds the ability to view diagnostic monitoring information for transceivers with Diagnostic Optical Monitoring (DOM) support. See "Troubleshooting" in the *Management and Configuration Guide*.
- **FFI/Config (PR\_0000039989, CR\_0000062965)** -FFI - If an FFI event is triggered, and then the link is brought down and back up again, the same FFI event will be triggered again in about 20 seconds even if the trigger condition isn't met. Config - This fix makes the downgrade of the port to auto-10/100 visible in the running configuration. Note that this may trigger the switch to ask Do you want to save current configuration? upon logout or switch reload.
- **OSPF (PR\_0000061310, CR\_0000070645)** -The config entry **ip ospf md5\_auth\_key-chain** might have the key-chain corrupted after uploading the config to a switch, causing OSPF to not communicate over that link.

## Versions M.08.132 through M.08.139

Status: Never released to the general public.

## Version M.08.140

Status: Released and fully supported, and posted on the web.  
No problems were resolved in software version M.08.140.

## Version M.08.141

Status: Released and fully supported, and posted on the web.  
The following problem was resolved in software version M.08.141.

- **Security Vulnerability (CR\_0000109132)** - See Security Bulletin for details, at <http://h20564.www2.hp.com/portal/site/hpsc/public/kb/docDisplay/?docId=c03819065>.



## HP Switch, Routing Switch, and Router Products Software Keys

| Software Letter | HP Products  |
|-----------------|--|
| <b>A</b>        | Switch 2615-8-PoE and Switch 2915-8G-PoE   |
| <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, 5372xl, 5304xl-32G, and 5308xl-48G)  |
| <b>F</b>        | Switch 2500 Series (2512 and 2524), Switch 2312, and Switch 2324   |
| <b>G</b>        | Switch 4100gl Series (4104gl, 4108gl, 4140gl, 4148gl, and 4160gl)  |
| <b>H</b>        | Switch 2600 Series, Switch 2600-PWR Series: H.07.81 and earlier, or H.08.55 and greater,<br>Switch 2600-8-PWR requires H.08.80 or greater.<br>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>        | 3500 Series, 3500yl Series, 5400zl Series, 6200yl-24G Switch, Switch 6600 Series (6600-24G, 6600-24G-4XG, 6600-24XG, 6600-48G, 6600-48G-4XG), and 8200zl Series Switches       |
| <b>KA</b>       | Switch 3800 Series   |
| <b>KB</b>       | 5400R z12 Switch Series (5406R, 5406R-44G-PoE+/4SFP, 5406R-44G-PoE+/2SFP+, 5406R-8XGT/8SFP+, 5412R, 5412R-92G-PoE+/4SFP, and 5412R-92G-PoE+/2SFP+)                             |
| <b>L</b>        | Switch 4200vl Series (4202vl-72, 4202vl-48G, 4204vl, 4204vl-44G-4SFP, 4208vl, 4208vl-96, 4208vl-64G, and 4208vl-68G-4SFP)  |
| <b>M</b>        | Switch 3400cl Series: M.08.51 though M.08.97, or M.10.01 and greater;<br>Series 6400cl Series: 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 1800G Series (Switch 1800-8G - PA; Switch 1800-24G - PB)  |
| <b>PK</b>       | Switch 1810-48G  |
| <b>PL/PM</b>    | 1810 v2 Switches (1810-8G v2, 1810-24G v2 - PL; 1810-8 v2, 1810-24 v2 - PM)  |
| <b>PS</b>       | PS1810 Switches (PS1810-8G, PS1810-24G)  |
| <b>Q</b>        | Switch 2510-24   |
| <b>R</b>        | Switch 2610 Series (2610-24, 2610-48, 2610-24/12PWR, 2610-24-PWR, and 2610-48-PWR)   |
| <b>RA</b>       | Switch 2620 Series   |
| <b>S</b>        | Switch 2520 Series (2520-8-PoE, 2520-24-PoE)   |
| <b>T</b>        | Switch 2900 Series   |
| <b>U</b>        | Switch 2510-48   |
| <b>VA/VB</b>    | Switch 1700 Series (Switch 1700-8 - VA and Switch 1700-24 - VB)  |
| <b>W</b>        | Switch 2910al Series   |
| <b>WA</b>       | HP Access Point 530  |
| <b>WB</b>       | Switch 2920 Series   |
| <b>WM</b>       | HP Access Point 10ag   |
| <b>WS</b>       | HP Wireless Edge Services xl Module and the HP Redundant Wireless Services xl Module   |

| Software Letter       | HP Products  |
|-----------------------|--|
| <b>WT</b>             | HP Wireless Edge Services zl Module and the HP Redundant Wireless Services zl Module   |
| <b>Y</b>              | Switch 2510G Series (2510G-24 and 2510G-48)  |
| <b>YA</b>             | 2530 Switches (2530-48, 2530-48-PoE+, 2530-8G, 2530-24G, 2530-48G, 2530-8G-PoE+, 2530-24G-PoE+, 2530-48G-PoE+, 2530-24G-2SFP+, 2530-48G-2SFP+, 2530-24G-PoE+-2SFP+, 2530-48G-PoE+-2SFP+) |
| <b>YB</b>             | 2530 Switches (2530-8, 2530-24, 2530-8-PoE+, 2530-24-PoE+)   |
| <b>Z</b>              | HP 6120G/XG and 6120XG Blade Switches  |
| <b><i>numeric</i></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.)         |



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