

HP 2600, 2600-PWR, and 2600-8-PWR Switches Software Version H.10.108 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.

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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 2600, 2600-PWR, and 2600-8-PWR switches.

This document covers software versions beginning with H.10.84. For information about earlier software versions, please see the H.10.83 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

1. In the first text box, type the product name (e.g. 2650) 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

H.10.83

Product Models

HP 2626 Switch (J4900A/B/C)

HP 2650 Switch (J4899A/B/C)

HP 2626-PWR Switch (J8164A)

HP 2650-PWR Switch (J8165A)

HP 2600-8-PWR Switch with Gigabit Uplink (J8762A)

Prerequisites

Operating System and Web Browser Compatibility

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

Operating System	Tested Web Browsers
Windows XP SP3	Internet Explorer 7, 8 Firefox 3.0, 3.5
Windows Vista SP2	Internet Explorer 7, 8 Firefox 3.0, 3.5
Windows Server 2003 SP2	Internet Explorer 7, 8 Firefox 3.0, 3.5
Windows Server 2008 SP2	Internet Explorer 7, 8 Firefox 3.0, 3.5
Windows 7	Internet Explorer 8 Firefox 3.0, 3.5
MAC OS	Firefox 3.0, 3.5

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

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

Version H.10.84

Status: Released and fully supported, but not posted on the web.

The following problems were resolved in software version H.10.84.

- **802.1X (PR_0000039909)** - 802.1X authentication appears to work, but the client cannot communicate on the network for approximately 30 seconds.
- **Command Authorization (PR_0000043525)** - HP-Command-String authorization does not work as expected.
- **DHCP Snooping (PR_0000044797)** - When a PXE protocol DHCP-offer packet is sent from a boot server through a trusted port, the switch drops the packet.
- **Web Management (PR_0000043510)** - The Web GUI does not display the lightning bolt for ports that are delivering power via PoE. This only affects the J8762A 2600-8-PoE Switch.

Version H.10.85

Status: Released and fully supported, but not posted on the web.

The following problems were resolved in software version H.10.85.

- **Authentication (PR_0000038263)** - Some frames are allowed on the switch port despite the default aaa parameter **controlled-directions both**.
- **Authentication (PR_0000044893)** - When port authentication methods are in use on a switch, if all of the clients are disconnected, the switch may change the Class of Service (CoS) settings.
- **GVRP (PR_0000040758)** - Switches do not use multiple GARP Information Propagation (GIP) contexts when the switch has been configured for MSTP operation; the same GIP context is used for all ports participating in GVRP. There should be multiple GIP contexts - one for each 'spanning-tree' (the IST and each of the MSTIs).
- **RADIUS Accounting (PR_0000042522)** - The 'class' attribute is not included in the accounting-request to the RADIUS server; RFC 2865 states that this should occur.
- **UDLD (PR_0000009505)** - UDLD misconfiguration (where UDLD is enabled on one side and disabled on the other) could lead to a unicast packet storm which results in MSTP running with multiple roots.

Version H.10.86

Status: Never released.

The following problems were resolved in software version H.10.86.

- **802.1X (PR_0000047025)** - After the switch reboots and before IP communication is initialized, the switch accepts authentication requests from 802.1X clients. Because the switch cannot communicate with the RADIUS server yet, it sends EAP-Failure notifications to the client, which causes client authentication to fail.
- **802.1X (PR_0000048284)** - 802.1X showing in an open state and receiving packets, under certain conditions causes the port to be in a down state with no traffic being passed.
- **Authentication (PR_0000045069)** - In some situations the switch authenticates an EAP 802.1X client but does not allow communication from the client.
- **CDP (PR_0000047116)** - CDP packets are not dropped, even when the switch is configured with the command **no cdp run**.

- **Config (PR_0000048466)** - J4900C does not boot (goes into fault mode during startup) if using config file saved from J4900B.
- **DHCP Snooping (PR_0000040580)** - Configuration of trust status for DHCP snooping on ports participating in a dynamic trunk yields undesirable results when the ports of the trunk are removed. This configuration should not be allowed on dynamic trunks (e.g. **dhcp-snooping trust Dyn1**), and this fix enforces that limitation at the CLI with an error message.
- **Management (PR_0000044146)** - Ping and telnet to the switch fail at exactly 1243 days of uptime.
- **SSH (PR_0000014531)** - Rarely, after some period of time with normal SSH connectivity, the switch may become unresponsive to further SSH management.
- **UDLD (PR_0000043071)** - UDLD transmits a burst of packets when any port on the switch goes down (one packet is sent for each port that goes down), falsely triggering a failure state.

Version H.10.87

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.87.

- **CDP (PR_0000051209)** - Switch is forwarding CDP packets to other ports even when CDP is globally enabled.
- **CPU Utilization (PR_0000044632)** - Data transfer in one VLAN with DIPLD and IP Routing enabled elevates CPU to 99%.
- **Crash (PR_0000049246)** - The command **aaa accounting commands stop-only radius** - causes switch to crash with `Software exception 'mRadius005`.

Version H.10.88

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.88.

- **SNMP/Config (PR_0000043775)** - The switch allows invalid configuration parameters to be set via SNMP.
- **Switch Tables (PR_0000050024)** - The switch's VLAN MAC address is not removed when the VLAN is removed.

Version H.10.89

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.89.

- **Authentication (PR_0000052226)** - When port authentication methods are in use on a switch, if all of the clients are disconnected, the switch may change the Class of Service (CoS) settings. This PR_0000052226 improves the Authentication fix in H.10.85 software (PR_0000044893).
- **Authentication (PR_0000053003)** - After a client is authenticated by 802.1X, if the switch receives a subsequent successful Web or MAC Authentication for that same client, the switch overwrites the 802.1X client RADIUS attributes.
- **Config (PR_0000037570)** - After using the CLI to assign a port in a VLAN number higher than 32, the configuration cannot be saved via the Menu interface.
- **Unauthenticated VLAN (PR_0000045072)** - An unauthenticated VLAN cannot be configured for 802.1X authentication, when another authentication method is also in use on a port. This fix also adds the **unauth-period** parameter for MAC authentication.

Version H.10.90

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.90.

- **GVRP (PR_0000046133)** - Switches do not use multiple GARP Information Propagation (GIP) contexts when the switch has been configured for MSTP operation; the same GIP context is used for all ports participating in GVRP. There should be multiple GIP contexts - one for each 'spanning-tree' (the IST and each of the MSTIs). This fix improves the GVRP fix in H.10.85 (PR_0000040758).
- **LLDP (PR_0000051224)** - In some cases LLDP packets are transmitted from a switch port before the client is authenticated.
- **Stacking (PR_0000052110)** - When a commander accesses a member switch and the user issues the **show tech all** command, in some situations the session from commander to member can become unresponsive. Workaround: from the commander switch, **kill** the unresponsive session.

Version H.10.91

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.91.

- **Console (PR_0000001136)** - Rarely, the switch console may hang after a software image transfer to the switch. Workaround: **<Ctrl-C>** will restore the command prompt.
- **Crash (PR_0000050061)** - Switch may sometimes reboot unexpectedly during a topology change with an error similar to the following: Software exception at exception.c:373 -- in mRadius005', task ID = 0x2594760 -> Memory system error at 0x243fb68 - memPartFree.
- **LLDP-MED (PR_0000050798)** - In some cases the LLDP-MED inventory for an attached IP phone is not properly received or stored by the switch.
- **SNMP/Config (PR_0000039221)** - The switch can misinterpret the community name as if it were a trap level, in the **snmp-server host** command. This fix modifies the command with keywords **community** and **trap-level**. The new command syntax is as follows. **snmp-server host <ip addr> [community <community string>] [trap-level <none | all | not-info | critical | debug>] [informs]**.
- **STP (PR_0000037812)** - When using force-version RSTP, the switch sends the root bridge ID in Spanning Tree BPDUs instead of its own bridge ID.
- **UDLD (PR_0000047414)** - When UDLD is enabled, communication with the switch might be inconsistent, affecting the switch response to ping, TELNET, 802.1X requests, SNMP requests, and SNTP packets.

Version H.10.92

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.92.

- **CLI (PR_0000041272)** - CLI output from the commands **show port-access web clients** or **show port-access web clients detailed** only displays the client information from the first port that is active (i.e. has authenticated or unauthenticated clients). All other ports will not show any clients, even if the port has several authenticated or unauthenticated clients.
- **CLI (PR_0000051188)** - If the switch uses DHCP to obtain an IP address, the output of **show ip** does not display the correct default gateway. This is a display issue only; the correct gateway address is used by the switch.
- **DHCP Snooping (PR_0000046276)** - With DHCP snooping enabled, a MAC-Authentication client whose session times out cannot reauthenticate.

- **Spanning Tree (PR_0000057003)** - The switch might experience Spanning Tree instability upon changing the system time via CLI, TimeP, or SNTP, if the time change occurs while the switch is receiving high volumes of broadcast traffic (on the order of 1 Mbps) on its Spanning Tree root port. This issue might also affect switch management traffic, causing unresponsive SNMP, TELNET, and SSH sessions.

Version H.10.93

Status: Released and fully supported, but not posted on the web.

The following problem was resolved in software version H.10.93.

- **LLDP-MED (PR_0000057609)** - LLDP-MED packets are sent from the switch before checking that the port has authenticated clients connected.

Version H.10.94

Status: Released and fully supported, but not posted on the web.

The following problems were resolved in software version H.10.94.

- **DHCP (PR_0000055868)** - DHCP can fail if uplinked to a non-DHCP Snooping device.
- **Routing (PR_0000057394)** - Switch not routing properly until after ARP cache cleared.
- **STP (PR_0000062186)** - In certain circumstances, the switch reports chronic STP Root changes.

Version H.10.95

Status: Released and fully supported, but not posted on the web.

The following problem was resolved in software version H.10.95.

- **Management (PR_0000053533)** - The ProCurve Manager (PCM) **test communication parameters** test might fail on the second attempt.

Version H.10.96

Status: Released and fully supported, but not posted on the web.

The following problems were resolved in software version H.10.96.

- **CLI (PR_0000058067)** - When the switch is configured with a default gateway, the output of **show ip route** gives incorrect values for Metric and Distance. However, communication with the default gateway works properly.
- **Web Management (PR_0000060662)** - The Web user interface displays the word **Status** at top of screen even though there is no status information provided.

Version H.10.97

Status: Released and fully supported, but not posted on the web.

The following problems were resolved in software version H.10.97.

- **Authentication (PR_0000058441)** - User authentication fails if the user's RADIUS configuration includes a non-HP VSA before any HP VSAs. Workaround: Configure the user in RADIUS with at least one HP VSA before any non-HP VSAs.
- **SSH (PR_0000062389)** - After connecting to the switch with operator privileges, a subsequent SSH connection will only receive operator privileges instead of manager privileges.

Version H.10.98

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.98.

■ FFI/Config (PR_0000039989) -

- 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.

■ SSL (PR_0000064686) - After copying the CA certificate to the switch this error message is received: Error setting CA Signed Request Configuration - No certificate is installed.

Version H.10.99

Status: Released and fully supported, but not posted on the web.
The following problem was resolved in software version H.10.99.

■ 802.1X (PR_0000067682) - When using 802.1X in client mode, the command **aaa port-access authenticator 1 client-limit 2** should allow two clients to authenticate on that port. After one client is removed and the timeout period has passed, the switch does not allow a new second client to authenticate.

Version H.10.100

Status: Released and fully supported, but not posted on the web.
The following problem was resolved in software version H.10.100.

■ SSL (PR_0000070330) - After copying the CA certificate to the switch this error message is received: Error setting CA Signed Request Configuration - No certificate is installed. This improves the original SSL fix (PR_0000064686) in H.10.98.

Version H.10.101

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.101.

- CLI (PR_0000041836) - The switch asks users if they want to save the configuration even though no changes were made. Note that configuration changes made via SNMP will still trigger this behavior even after this fix.
- Crash (PR_0000067243) - Switch may reboot unexpectedly with a message similar to the following: Software exception with task mAcctCtrl .

Version H.10.102

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.102.

- MAC Authentication (PR_0000071595) - MAC authentication on Cisco IP phones may fail.
- Web Management (PR_0000070015) - A VLAN QoS priority that is set in the Web user interface is not saved to the switch startup-config. Workaround: Go to **Configuration > System Info** and click **Apply Changes** to manually save the configuration.

Version H.10.103

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.103.

- **CLI (PR_0000071004)** - The output of the command **show port-access authenticator config** displays the direction as both, even if the direction was configured to be **in** or **out**.
- **QoS (PR_0000070680)** - Switch may change the priority of routed packets .

Version H.10.104

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.104.

- **Authentication (PR_0000070500)** - When the 802.1X authenticator times out waiting for a supplicant response, instead of transitioning to the connecting state and restarting the attempt to acquire a supplicant by transmitting Identity-Requests, it falls silent.
- **Secure Copy (PR_0000072803)** - After disabling SCP (Secure Copy Protocol) and enabling TFTP, the switch's config file retains the **no tftp client** entry that was automatically added when SCP was enabled.

Version H.10.105

Status: Never released.
No problems were resolved in software version H.10.105.

Version H.10.106

Status: Never released.
No problems were resolved in software version H.10.106.

Version H.10.107

Status: Released and fully supported, but not posted on the web.
The following problems were resolved in software version H.10.107.

- **CLI (PR_0000103448)** - Enabling and Disabling loop-protect on a range of ports may result in ports 4 and higher to be disabled and left in an error state. For example **loop-protect 1-24** then **no loop-protect 1-24** may result in ports 4-24 to be left disabled.
- **IGMP (PR_0000105407)** - When an IGMPv2 host leaves a group, the switch may send a malformed GSQ message.
- **QoS (PR_0000105258)** - Switch may change the priority of routed packets. This PR_0000105258 improves the QoS fix in PR_0000070680 in H.10.103.
- **SNMP (PR_0000105142)** - LLDP information from some devices causes an snmpwalk of the switch to truncate after the lldpRemManAddrIfId OID (iso.0.8802.1.1.2.1.4.2.1.4).
- **Syslog (PR_0000065540)** - There is a long delay before the switch event log messages are sent to the syslog server.

Version H.10.108

Status: Released and fully supported, and posted on the web.
The following problems were resolved in software version H.10.108.

- **802.1X (PR_0000073291)** - Some devices are not set to the configured unauthorized VLAN when **authenticator client-limit** is set to a value of 1. Seen mainly on devices which are HP printers or when using JetDirect cards.

- **CLI (PR_0000105415)** - The config may display incorrectly with regard to how it displays which ports are in a particular VLAN. For example: **untagged 3-Trk1** instead of **untagged 3-50,Trk1**.
- **Crash (PR_0000073576)** - Switch can hang or reboot if transferring a config file > ~4300 bytes using SCP in SFTP mode. Smaller configuration files do not exhibit a problem.
- **File Transfer (PR_0000073633)** - Error sometimes seen during SSH file transfer error while reading: received a short buffer from FXP_READ, but not at EOF.
- **Multiple Symptoms (PR_0000073630)** - Several Issues Resolved: 1) SFTP sessions do not close properly, 2) Error message Error while reading: received a short buffer from FXP_READ, but not EOF, 3) Crash message Software Exception at xception.c:373 -- in 'tSsh0', -> Memory system error.
- **SNMP (PR_0000107406)** - The following command, if run against ports 1-24, may result in a trap message reporting the wrong VLAN, if routing is enabled: **'port-security x learn-mode configured action send-alarm mac-address xx:xx:xx:xx:xx:xx'**. Running this command against ports 25-48 never exhibits the problem.

HP Switch, Routing Switch, and Router Products Software Keys

Software Letter	HP Products
A	Switch 2615-8-PoE and Switch 2915-8G-PoE
C	1600M, 2400M, 2424M, 4000M, and 8000M
CY	Switch 8100fl Series (8108fl and 8116fl)
E	Switch 5300xl Series (5304xl, 5308xl, 5348xl, and 5372xl)
F	Switch 2500 Series (2512 and 2524), Switch 2312, and Switch 2324
G	Switch 4100gl Series (4104gl, 4108gl, and 4148gl)
H	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
I	Switch 2800 Series (2824 and 2848)
J	J.xx.xx.biz Secure Router 7000dl Series (7102dl and 7203dl)
J	J.xx.xx.swi Switch 2520G Series (2520G-8-PoE, 2520G-24-PoE)
K	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).
KA	Switch 3800 Series
L	Switch 4200vl Series (4204vl, 4208vl, 4202vl-72, and 4202vl-48G)
M	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.
N	Switch 2810 Series (2810-24G and 2810-48G)
P	Switch 1810G (1810G-8, 1810G-24)
PA/PB	Switch 1800 Series (Switch 1800-8G – PA.xx; Switch 1800-24G – PB.xx)
PK	Switch 1810-48G
Q	Switch 2510 Series (2510-24)
R	Switch 2610 Series (2610-24, 2610-24/12PWR, 2610-24-PWR, 2610-48 and 2610-48-PWR)
RA	Switch 2620 Series
S	Switch 2520 Series (2520-8-PoE, 2520-24-PoE)
T	Switch 2900 Series (2900-24G and 2900-48G)
U	Switch 2510-48
VA/VB	Switch 1700 Series (Switch 1700-8 - VA and 1700-24 - VB)
W	Switch 2910al Series (2910al-24G, 2910al-24G-PoE+, 2910al-48G, and 2910al-48G-PoE+)
WA	HP Access Point 530
WM	HP Access Point 10ag
WS	HP Wireless Edge Services xl Module and the HP Redundant Wireless Services xl Module
WT	HP Wireless Edge Services zl Module and the HP Redundant Wireless Services zl Module
Y	Switch 2510G Series (2510G-24 and 2510G-48)
Z	HP 6120G/XG and 6120XG Blade Switches
numeric	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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