



## Release Notes: Version G.07.2x Operating System *for the HP Procurve Series 4100GL Switches*

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These release notes include information on the following:

- Downloading switch software and Documentation from the Web
- Enhancements supported in Release G.07.2x:
  - SSLv3
  - SNMPv3
  - 802.1X Open VLAN Mode
  - SSHv2
  - IP Static Routing
  - 100-FX MTRJ GL Module (J4892A)
  - IGMPv3
  - Debug and Syslog Logging
  - Gigabit LH-LC mini-GBIC (J4860A)
- Software fix listings for the HP Procurve Series 4100GL software releases (page 11)

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### **Caution: Archive Pre-G.07.2x Configuration Files**

A configuration file saved while using release G.07.2x (or greater) is not backward-compatible with earlier releases. For this reason, HP recommends that you archive the most recent configuration on switches using software releases earlier than G.07.2x before you update any switches to software release G.07.2x or later.

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### **Connectivity Note Regarding Gigabit-SX and -LX Port Settings for Links Between an HP Series 4100GL Switch and Other Switch Models:**

In the HP 1600M/2400M/2424M/4000M/8000M switches, and also in other vendors' switches, the default port mode setting for the Gigabit-SX and Gigabit-LX ports is forced 1000FDx (Gigabit full-duplex). However, the default port mode for the Gigabit-SX and -LX ports in the HP 4108GL is Auto. In earlier software releases, the HP 4108GL tolerated this mismatch and allowed SX and LX links with these other switches to exist. The HP 4108GL (when running software release G.04.04 or greater) now complies with the Gigabit-SX and -LX standard that disallows linkbeat to be enabled when there is a mismatch. (The HP 4104GL, introduced with software release G.05.01, also complies with this requirement.) Thus, mismatched links between Gigabit-SX and -LX ports on an HP Series 4100GL switch and the HP 1600M/2400M/2424M/4000M/8000M switches or other switches that were formerly allowed will now fail. To avoid this problem either reconfigure the Gigabit-SX and -LX ports to Auto on the HP 1600M/2400M/2424M/4000M/8000M switches or other switches, or reconfigure the Gigabit-SX and -LX ports on the HP Series 4100GL switches to 1000FDx.

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**Applicable Product**

HP Procurve Switch 4104GL (J4887A)  
HP Procurve Switch 4108GL (J4865A)

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# Software Management

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## **Caution: Archive Pre-G.07.2x Configuration Files**

A configuration file saved while using release G.07.2x or later software is not backward-compatible with earlier software versions. For this reason, HP recommends that you archive the most recent configuration on switches using software releases earlier than G.07.2x before you update any switches to software release G.07.2x or later.

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## Downloading Switch Documentation and Software from the Web

You can download software version G.07.2x and the corresponding product documentation from HP's Procurve website as described below.

### **To Download a Software Version:**

1. Go to HP's Procurve website at <http://www.hp.com/go/hpprocurve>.
2. Click on **software**.
3. Under **latest software**, click on **switches**.

**To Download Product Documentation:** You will need the Adobe® Acrobat® Reader to view, print, and/or copy the product documentation.

1. Go to HP's ProCurve website at <http://www.hp.com/go/hpprocurve>.
2. Click on **technical support**, then **manuals**.
3. Click on the name of the switch product for which you want documentation. (For a module, click on the name of the switch product with which it is used.)
4. On the resulting web page, double-click on a document you want.
5. When the document file opens, click on the disk icon  in the Acrobat® toolbar and save a copy of the file.

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## Downloading Software to the Switch

HP periodically provides switch operating system (OS) updates through the HP Procurve website (<http://www.hp.com/go/hpprocurve>). After you acquire the new OS file, you can use one of the following methods for downloading the operating system (OS) code to the switch:

- For a TFTP transfer from a server, do either of the following:
  - Click on **Download OS** in the Main Menu of the switch's menu interface and 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:
  - Click on **Download OS** in the Main Menu of the switch's menu interface and select the **Xmodem** option.
  - Use the **copy xmodem** command in the switch's CLI (page 7).
- HP's SNMP Download Manager included in HP TopTools for Hubs & Switches
- A switch-to-switch file transfer

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### Note

Downloading a new OS 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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This section describes how to use the CLI to download an OS to the switch. You can also use the menu interface for OS downloads. For more information, 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 > ]`

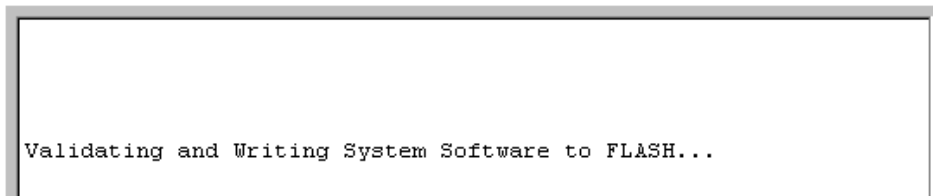
Note that if you do not specify the flash destination, the TFTP download defaults to the primary flash.

For example, to download an OS file named `G_07_2x.swi` from a TFTP server with the IP address of 10.28.227.103:

1. Execute the copy command as shown below:

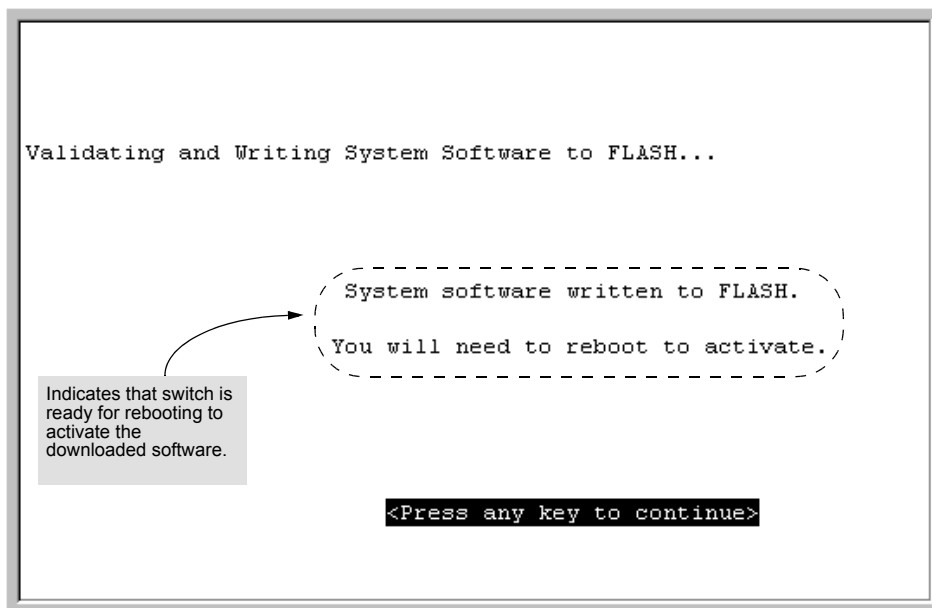
```
HPswitch# copy tftp flash 10.28.227.103 G_07_2X.swi
Device will be rebooted, do you want to continue [y/n]? y
00224K _
```

- When the switch finishes downloading the OS file from the server, it displays this progress message:



**Figure 1. Message Indicating the Switch Is Writing the Downloaded Software to Flash Memory**

- After the switch writes the downloaded software to flash memory you will see this screen:



**Figure 2. Message Indicating the Switch Is Ready To Activate the Downloaded Software**

- Reboot the switch.

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.

## Xmodem Download From a PC or Unix Workstation

This procedure assumes that:

- The switch is connected via the Console RS-232 port on a PC operating as a terminal. (Refer to the Installation Guide you received with the switch for information on connecting a PC as a terminal and running the switch console interface.)
- The switch operating system (OS) 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 Windows NT terminal emulator, you would use the **Send File** option in the **Transfer** dropdown menu.)

**Syntax:** `copy xmodem flash < unix | pc >`

For example, to download an OS file named G\_07\_2x.swi from a PC:

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 57600 bits per second. (The baud rate must be the same in both devices.) For example, to change the baud rate in the switch to 57600, execute this command:

```
HP4108(config)# console baud-rate 57600
```

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

2. Execute the following command in the CLI

:

```
HPswitch(config)# copy xmodem flash pc
Device will be rebooted, do you want to continue [y/n]? y
Press 'Enter' and start XMODEM on your host...
```

3. Execute the terminal emulator commands to begin the Xmodem transfer.

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

When the download finishes, the switch automatically reboots itself and begins running the new OS version.

4. To confirm that the operating system downloaded correctly:

```
HPswitch> show system
```

Check the **Firmware revision** line.

5. If you increased the baud rate on the switch (step 1), use the same command to return it to its previous setting. (HP 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.)

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## 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] ?
```

---

## HP Procurve Switch Software Key

| Software Letter | HP Procurve Switch                |
|-----------------|-----------------------------------|
| C               | 1600M, 2400M, 2424M, 4000M, 8000M |
| E               | Series 5300XL (5304XL and 5308XL) |
| F               | Series 2500 (2512 and 2524)       |
| G               | Series 4100GL (4104GL and 4108GL) |
| H               | 2650 and 6108                     |

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# Enhancements in Release G.07.2x

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## New Enhancements in Release G.07.2x

| Enhancement   | Summary   |
|---|---|
| Supports the HP Procurve Switch 100-FX MT-RJ GL Module (J4892A) | Provides 12 100-FX ports with MT-RJ connectors for 100 Mbps networking over multimode fiber-optic cable. This module requires switch software version G.07.2x or later.   |
| Supports the HP Procurve Gigabit LH-LC mini-GBIC (J4860A)       | Provides gigabit-LH operation up to 70 kilometers when installed in the optional HP Procurve Switch GL MiniGBIC Module (J4893A).  |
| SSL Security Operation  | Provides Secure Socket Layer Version 3 (SSLv3) and support for Transport Layer Security (TLSv1) to provide remote web access to the switches via encrypted paths between the switch and management station clients capable of SSL/.TLS operation. |
| SSH Security Operation  | Provide remote access to management functions on the switches via encrypted paths between the switch and management station clients capable of SSHv2 operation.   |
| IGMPv3  | This enhancement provides the capability to respond to IGMPv3 joins.  |
| SNMPv3  | SNMPv3 add more rigorous security for SNMP access to the switch. I added the capability to message authentication and privacy to keep management traffic secure.  |
| IP Static Routing   | Adds the capability to configure up to 16 static routes.  |
| 802.1X Open-VLAN Mode Operation                                 | This enhancement provides a method for extending 802.1x authentication to supplicants (clients) that are not running  |
| Debug and Syslog Operation                                      | Enables transmission of Event Log messages to Syslog servers and the current management access session.   |

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## Documentation for New Enhancements

- Documentation for the HP Procurve Switch 100-FX MT-RJ GL Module is shipped with the module and is also available on the HP Procurve website. See “To Download Product Documentation:” on page 4.
- Documentation for the HP Procurve Gigabit LH-LC mini-GBIC is included in the installation guide shipped with the optional HP Procurve Switch GL MiniGBIC Module and is also available on the HP Procurve website. See “To Download Product Documentation:” on page 4.
- For information on the above software enhancements and the other features available in your switch, refer to the following publications:
  - *Management and Configuration Guide for the HP Procurve Series 4100GL Switches*
  - *Access Security Guide for the HP Procurve Series 4100GL Switches*

The documentation mentioned above is also included on version 3.1 of the *Product Documentation CD-ROM*, which is packaged with Series 4100GL switches shipped from the factory with release G.07.2x installed. You can also download the latest version of this documentation by visiting the HP Procurve website. (See “To Download Product Documentation:” on page 4.)

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## Clarification of Time Zone Issue

Starting with release G.05.xx, the method of configuring the Time Zone for TimeP or SNTP configuration has been updated. Previous switch software, for all HP Procurve switches, used positive time offset values for time zones that are West of GMT and negative values for time zones that are East of GMT. The standards indicate that time zones West of GMT should be designated by negative offset values, and time zones East of GMT by positive values. Software version G.05.xx updates this configuration method, but if you use the same values for indicating time zones as you did for previous HP Procurve switches, the time will be set incorrectly on your Series 4100GL switch. For example, for previous HP Procurve switches, the US Pacific time zone was configured by entering **+480**. With software version G.05.xx, the US Pacific time zone must now be configured by entering **-480**.

# Problem Reports

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To view known problems with solutions or workarounds for Series 4100GL software releases, visit the HP Procurve website at

<http://www.hp.com/go/hpprocurve>

and click on

**technical support > problem reports > HP Procurve Switch 4100GL Series**

# Software Fixes

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Release G.03.08 was the first software release for the HP Procurve Switch 4108GL.

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## Release G.03.09 (Beta Release Only)

### Fixed in release G.03.09

- **CDP** — The switch's CDP packets have been modified to better interoperate with older Cisco IOS versions. Certain legal CDP packets sent from the Procurve switch could result in Cisco routers, running older IOS versions, to crash.  
**Note:** The Procurve switch's CDP packets are legal both before and after this modification.
- **IGMP** — With IGMP enabled, toggling IGMP off and then on again causes all querier intervals to be cut in half.
- **IGMP** — Switch may stop sending IGMP queries on some VLANs.
- **LACP** — Ports are put into Standby mode when they shouldn't be.
- **LACP** — Dynamic LACP creates 2 trunks when it should only create one.
- **LACP** — When an LACP port is put into Standby mode, MAC address learning on the switch may stop.

## Release G.03.10

### Fixed in release G.03.10

Performance enhancements to the message system, address learning, and SNMP.

## Release G.03.13

### Fixed in release G.03.13

- **XMODEM** — If the CLI **copy xmodem flash** command is used to download the OS, the switch incorrectly displays one of the two following messages after the validate and write process completes:
  - `User timeout, must hit ENTER before starting XMODEM Transfer.`
  - or
  - `Transfer terminated due to timeout.`
- **Inter-module communication problems** — When the switch's MAC address learning function detects the same MAC address on two different modules within a small interval of time (this could happen if two end nodes have the same MAC address or if there is a loop in the network), the address tables on the modules may get out of sync. This can cause module-to-module communication problems for devices connected to the modules whose address tables have become out of synchronization.

## Release G.04.01 (Beta Release Only)

### Fixed in release G.04.01

- **Crash** — Switch may crash with a message similar to:

```
->Software exception at bcm56xxDmaPoll.c:342--in 'sal_dpc_hi'  
->Msg loss detected
```

- **Crash/Bus Error** — A Get request of a specific long OID can result in a bus error, an agent hang, or a switch crash with a message similar to:

A Get request of a specific long OID can result in a bus error, an agent hang, or a switch crash with a message similar to:

```
->Software exception at svc_misc.s:379 -- in mCdpCtrl  
  malloc_else_fatal() ran out of memory
```

This crash has been associated with the CERT SNMPV1 "Req-app" test suite.

- **CLI** — The crash history is lost after the "reload" command is performed from the CLI.
- **CLI** — The response to an incomplete trunk configuration command did not produce the proper message "Incomplete input: Trunk."
- **Flow Control** — Changing Flow Control setting on a port is not reflected in Auto-negotiation's advertised capability.
- **Menu/Web-Browser Interface** — Display of mirror port configuration is inconsistent between menu and WEB interface.
- **Port Configuration** — Changing a port setting from one Auto mode to another may not be reflected in Auto-negotiation's advertised capability without a switch reset, or module hot-swap.
- **Port Monitoring** — Port monitoring does not work correctly after a TFTP transfer of the configuration from the switch to the server and then back to the switch.
- **Stack Management** — Master switch was not properly making security checks when passing information along to a member switch.
- **TFTP** — Menu and browser displays of switch configuration are not accurate after a TFTP transfer of the switch config file to the switch. Only occurs when a port is configured for network monitoring.
- **VARIOUS: Crash/Bus Error** — A Get request of a specific long OID can result in a bus error, an agent hang, or a switch crash with a message similar to:

```
-> Software_exception at svc_misc.s:379 -- in mCdpCtrl  
  
  malloc_else_fatal() ran out of memory
```

- **Web-Browser Interface** — Web display of port utility window did not display port H24.
- **Web-Browser Interface** — Incorrect font size used in VLAN configuration screen.
- **Web-Browser Interface** — User could input an invalid MAC address, i.e. multicast or broadcast address, in the security policy field.

Release G.04.02 (Beta Release Only)

**Fixed in release G.04.02**

- **Corrupted Flash** — An SNMP set, during the OS download operation of TopTools, while the switch is writing new OS to flash may result in corrupted flash and switch may boot up in LAN Monitor mode.

Release G.04.03 (Beta Release Only)

**Fixed in release G.04.03**

Modification of Lab troubleshooting commands.

Release G.04.04 (Beta Release Only)

**Fixed in release G.04.04**

Modification of Lab troubleshooting commands.

Release G.04.05

**Fixed in release G.04.05**

Modification of Lab troubleshooting commands.

Release G.05.01

**Fixed in release G.05.01**

Modification of Lab troubleshooting commands.

- **Agent Hang** — Agent processes (such as console, telnet, STP, ping, etc.) may stop functioning when the IGMP querier function is disabled, and then re-enabled, on a VLAN that does not have an IP address configured.
- **Agent Hang** — Agent processes (such as console, telnet, STP, ping, etc.) may stop functioning. This agent hang has been associated with the CERT SNMPv1 "encoding" test #1150.
- **Agent Hang** — Agent processes (such as console, telnet, STP, ping, etc.) may stop functioning. This agent hang has been associated with the X2 SSH utility.

- **CLI** — The CLI command "show arp" displays the wrong port number for some ARP entries.
- **CLI** — The CLI command "show trunks" lists incorrect information for dynamic trunks.
- **CLI** — The CLI command "getmib" with no parameters returns the message  

```
"Incomplete input: - EOI -".
```
- **CLI** — When reaching the inactivity timeout expiration after typing the CLI command "enable" in a telnet session at operator mode, the text in the CLI prompt may get corrupted with text similar to "gfs\_alp\_104Null Varbind".
- **CLI** — Unrelated information was shown at the end of the CLI command "show vlan 1" output.
- **CLI** — Command "no qos" did not reset port priority to "0".
- **CLI** — The CLI command "show tech" causes an error message when the command is executed from within config mode.
- **CLI** — The prompt for saving the config does not handle a DISC character appropriately.
- **CLI/Timezone** — The switch time is wrong if CLI used to set timezone and timezone may not operate properly after switch is rebooted. West of GMT is now a negative offset and east of GMT is now a positive offset.
- **Crash** — If dynamic trunks are configured and the switch is rebooted, the switch may crash with a message similar to:  

```
-> Software exception at rstp_dyn_reconfig.c:243 in -- 'Lpmgr'
```
- **Crash** — When hot-swapping transceivers multiple times, the switch may crash with a message similar to:  

```
-> Software exception at port_sm.c:378 in -- 'mPmSlvCtrl'
```
- **Event Log** — Log messages for trunks and trunk members enhanced to be easier to read.
- **GARP/Event log** — Garp event log messages may be garbled.
- **IGMP** — Interoperability issues with some Cisco devices (such as some Cisco Catalyst 5000 & 6000 series switches) cause IGMP groups to be aged out of the switch's IGMP tables prematurely.
- **LACP** — LACP maintains a dynamic trunk with only 1 port configured for the trunk group.
- **LACP/802.1x** — 802.1x and LACP trunks can co-exist on the same port. (The fix is to make these trunks mutually exclusive.)
- **Menu** — The switch may not display the complete forwarding table while performing a MAC address search.

- **Menu** — Incorrect error message is displayed when attempting to create a VLAN which exceeds the maximum number of VLANs supported. [Fix is to display an error message similar to "Maximum number of VLANs (8) has already been reached."]
- **Menu** — Menu does not allow a port configuration change from a full-duplex/flow control setting to a half-duplex/no flow control setting.
- **Menu** — Menu does not allow trunks to be configured on transceiver ports that have never had a transceiver installed before.
- **Menu/CLI** — Modified help message for RSTP.
- **Menu/VLAN** — The VLAN help text has been modified.
- **STP Fast Mode** — A port configured for STP fast mode behaves like a standard STP port.
- **STP/RSTP** — Port path cost is reset even though path cost is configured for "Auto".
- **STP/Running-Config** — STP path-cost is not written to the configuration when using the CLI.
- **STP/Startup-Config** — When a startup-config file containing an 802.1d STP configuration is reloaded that was saved off from the switch, an error similar to the following occurs:  
  

```
Line: 13. Invalid input: stp802.1d
Corrupted download file.
```
- **TACACS+** — When logging into the switch via TACACS+ encrypted authentication, the packet header has the 'encryption' field set to 'TAC\_PLUS\_CLEAR' when the body of the packet is actually encrypted.
- **XRMON** — The switch incorrectly reports XRMON support to TopTools query.
- **NNM/Stacking** — If stacking is configured, NNM cannot discover the device as a generic switch.

Release G.05.02

#### Fixed in release G.05.02

- **Continuous module reset** — The J4893A Procurve Switch GL mini-GBIC module will go into a continual reset loop when both of the following conditions are met:
  - a. The module is inserted in slot A; and
  - b. Certain traffic conditions occur on port 6 of the module
- **Crash** — The switch may crash with a message similar to:  
  

```
-> Software exception at alloc_free.c:545 -- in 'eDrvPoll'
```



- **Crash** — The switch may crash with a message similar to:

```
-> Bus Error: HW Addr=0x00000000 IP=0x002fe640 Task='eTelnetd'
```

This crash has been associated with security/vulnerability test applications such as Nessus.

- **Loop/VTP** — The switch will incorrectly forward VTP packets from third party devices if that packet is received on a blocked port.
- **Web-Browser Interface** — After clearing the intrusion flag in the web-browser interface, the intruder flags are not removed.

Release G.05.03 (Beta Release Only)

#### Fixed in release G.05.03

- **Crash** — The switch may crash with a message similar to:

```
-> NMI occurred: IP=0x00317d9c MSR:0x0000b000 LR:0x00013b88  
Task='eDrvPollRx'
```

```
Task ID=0x1708f20 cr: 0x22000080 sp:0x01708e60 xer...
```

Release G.05.04

#### Fixed in release G.05.04

- **Crash** — The switch may crash with a message similar to:

```
-> NMI occurred: IP=0x00317d9c MSR:0x0000b000 LR:0x00013b88  
Task='eDrvPollRx'
```

```
Task ID=0x1708f20 cr: 0x22000080 sp:0x01708e60 xer...
```

This build is identical to G.05.03, but was intended to be a general release build, and so was archived and labeled.

## Release G.05.05 (Beta Release Only)

### Fixed in release G.05.05

- **ARP** — Changing the IP address of an interface does not flush the ARP entries of the original IP address.
- **CLI/Timezone** — The timezone changes made for PR\_4524 are not transparent to the end-user. On download of configuration, and during initialization, check for a transition from code G.04.XX to G.05.XX and adjust configured timezone.
- **Configuration** — If the user enables portfast (that is, "spanning-tree 1-24 mode fast") the switch can't read the configuration during reload and stops reload process.
- **Crash** — The switch may crash with a message similar to:  

```
-> Asserts in rv.cc line 632
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Assertion failed:0, file drvmem.c, line 167
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Unaligned Access: Virtual Addr=0x847e6929 IP=0x800270bc  
Task='tMsgCount'  
  
Task ID=0x804bf800 fp:0x804bf788 sp:0x804bf788 ra:0x800270b4  
sr:0x1000af01
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Bus error: HW Addr=0x00000000 IP=0x002f6148 Task='mHttpCtrl'
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Bus error: HW Addr=0x00000000 IP=0x001429e0 Task='mChassCtrl'  
  
Task ID=0x16d0748
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Assertion failed: nt, file dpc.c, line 169
```
- **Crash/Continuous reboot** — Downloading a certain configuration will cause the switch to bus error and reboot repeatedly.
- **GVRP** — GVRP registrations are not occurring appropriately after port blocks/unblocks.
- **GVRP** — Switch stops advertising tagged and untagged VLANs on all ports when GVRP port disable is set for one port.

- **GVRP** — Upstream GVRP neighbor loses connectivity with downstream neighbor after topology change.
- **Link-up polling interval** — A delay of up to 1.7 seconds between plugging in a cable (linkbeat established) and traffic being forwarded to and from that port may cause problems with some time sensitive applications. For example, AppleTalk dynamic address negotiation can be affected, resulting in multiple devices using the same AppleTalk address.
- **Link-up polling interval** — A delay of up to 1.7 seconds between plugging in a cable (linkbeat established) and traffic being forwarded to and from that port may cause problems with some time sensitive applications. For example, AppleTalk dynamic address negotiation can be affected, resulting in multiple devices using the same AppleTalk address.
- **Link-up polling interval** — A delay of up to 1.7 seconds between plugging in a cable (linkbeat established) and traffic being forwarded to and from that port may cause problems with some time sensitive applications. For example, AppleTalk dynamic address negotiation can be affected, resulting in multiple devices using the same AppleTalk address.
- **TACACS** — During TACACS Authentication the TACACS Server's IP address is shown on the switch's 'splash screen'. The fix is to not display the TACACS Server's IP address.
- **TCP** — TCP port 1506 is always open. The fix is to close TCP port 1506.
- **TFTP/Config file** — When a configuration file is copied from a TFTP server onto the switch, it removes "no ip untagged 2" from the VLAN configuration.
- **Web-Browser Interface** — Mis-spelled word on the product registration screen of the WEB UI. The phrase "...does not appears above..." is now "...does not appear above..."
- **Web-Browser Interface** — When configuring a static learn mode for port security, the message:
 

```
error in pdu
```

 is displayed if the port does not have LACP disabled.
- **Web-Browser Interface** — The CLI does not disable the web-browser interface.
- **Web-Browser Interface** — Having a Procurve switch 4100gl series as a commander, and a Procurve switch 4000m as a member of the stack, the stack commander was not checking security when doing passthrough.

## Release G.05.06 (Beta Release Only)

### Fixed in release G.05.06

- **Module** — Modules intermittently fail to boot during switch boot up.
- **Crash** — The switch may crash with a message similar to:  

```
-> TLB Miss: Virtual Addr=0x00000000 IP=0x8002432c Task='tSmeDebug'
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Divide by Zero Error: IP=0x801400c0 Task='sal_dpc_hi'  
Task ID=0x80616690 fp:0x00000000 sp:0x80616600 ra:0x800140060  
sr:0x1000af01
```

## Release G.07.20 (Beta Release Only)

### Fixed in release G.07.20

- **CDP** — CDP multicasts are not passed when CDP is disabled on the switch.
- **CLI** — Setting the telnet inactivity timeout from the CLI does not indicate a reboot is necessary for changes to take effect.
- **CLI** — Information in the command "show boot-history" is not in the order claimed (most recent first).
- **Crash** — The switch may crash with a message similar to:  

```
-> AlphaSlaveAddrMgr.p 1021 this tim
```

This crash can occur when a module is hot-swapped after downloading new software to the switch without rebooting.
- **Crash** — The switch may crash with a message similar to:  

```
-> Bus error: HW Addr=0x00ffffff IP=0x332c4530 Task='mSess1'  
Task ID=0x16a62f0 fp: 0x2e2e2e29 sp:0x016a61a0 lr:0x0010f028
```

This crash can occur when eight transceiver modules are installed and the command "interface all" is typed in the configuration context.
- **Crash** — The switch may crash with a message similar to:  

```
-> Software exception at rtsock.c:459 -- in 'tNetTask',  
task ID = 0x1a225b0
```
- **Crash** — The switch may crash with a message similar to:  

```
-> Assertion failed:0, file drvmem.c, line 167
```

- **Crash** — The switch may crash with a message similar to:
 

```
-> Bus error: HW Addr=0x00000000 IP=0x00000000 Task='mNSR'
Task ID=0x1725148 fp: 0x0000c4b0 sp:0x012e9780 lr:0x00330674
```
- **Crash** — WhatsUpGold telnet scan can cause switch to run out of memory and crash with error message similar to:
 

```
-> malloc_else_fatal() ran out of memory
```
- **Date/Time** — The timezone can cause the date to wrap if the timezone is set to a valid, but negative value (like -720) without previously configuring the switch's time. The switch may report an invalid year (i.e. 2126).
- **Event Log** — When a module fails to download, the severity code is INFO instead of WARNING.
- **FFI/Port Counters** — No errors are reported by the FFI or port counters when linking at 100 HDX on a Gigabit port with a duplex mismatch.
- **Flow Control** — Setting a port "X1" in 10-HDX, then attempting to turn on flow control returns an error similar to: "Error setting value fl for port X2". The error should read "X1".
- **FFI/Port counters** — FFI and port counters don't have consistent values.
- **GVRP** — Port does not register VLAN even though advertisements are received.
- **Hot-swap** — Hot-swapping a transceiver logs a message requesting to reboot the switch in order to enable the port, while this is not necessary.
- **LACP/Port Security** — With LACP on, the command **port-sec a1 l c action send-alarm** fails with a message similar to:
 

```
learn-mode: Inconsistent value
```
- **Menu** — The one-line help text below the password entry field, displays the message :
 

```
Enter up to 16 characters (case sensative), or just press <Enter>
to quit.
```

 It should read:
 

```
"... (case sensitive)..."
```
- **Port Configuration** — When interchanging 10/100-TX modules J4862A and J4862B, the port configuration of the module originally installed in the switch is lost.
- **Port counters** — The "Total RX Error" counter is incorrect when the port has heavy 10HDx traffic.
- **Port counters** — The Runt Rx counter in the detail port counter screen, does not increment when there are fragments.

- **Port counters** — The 64-bit counter for the highest numbered port on a given module, does not update properly.
- **RADIUS** — Pressing the tab key gives error message similar to:
 

```
BAD CHARACTER IN ttyio_line: 0x9n
```

 when entering a username for the radius prompt.
- **System Information** — Up Time displayed is not correct.
- **SNMP** — The switch does not send SNMP packets larger than 484 bytes.
- **SNTP/TIMEP** — Sntp still runs when timep is enabled.
- **TFTP** — Trying to TFTP a config onto the switch causes the switch to not complete its reload process. The switch hangs and does not come up.
- **Web-Browser Interface** — When a transceiver is removed from the switch, its configuration is not cleared on the Status->port status screen of the web UI. The transceiver type will still show until a new transceiver is inserted.
- **Web-Browser Interface** — Administrator password can be used in combination with the operator username.
- **Web-Browser Interface** — When using a Procurve Switch 4108 as a commander switch in the stack, a Procurve Switch 2424M is not shown in the device view of the stack closeup in the web UI. The message
 

```
Device view, HP2424M, not supported by firmware of commander
```

 is present instead of the device view.
- **Web-Browser Interface** — Missing firmware/ROM information in Web UI.
- **Web-Browser Interface** — When clicking on the Web UI System Info **Apply Changes** button, a character appears under the **VLAN Configuration** tab.

## Release G.07.21

### Fixed in release G.07.21

- **Crash** — The switch may crash with a message similar to:
 

```
-> Software exception at gamHwLearn.c:277 -- in 'mAdMUpCtrl'
```

```
Task ID = 0x8047bca0 -> ASSERT: failed
```

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