Release Notes for SF250, SG250, SF350, SG350/350X/350XG, SF550X, SG550X/ 550XG, SX350X, SX550X Series Switches Software Version 2.4.0.91

July 4, 2018

These Release Notes describe the recommended practices and known issues that apply to software version 2.4.0.91 for the products listed in the following table:

Model	Description	Ports
SF250-24	24-Port 10/100 Smart Switch	fa1-fa24, gi1-gi4
SF250-24P	24-Port Gigabit PoE Smart Switch	fa1-fa48, gi1-gi4
SF250-48	48-Port 10/100 Smart Switch	fa1-fa48, gi1-gi4
SF250-48HP	48-Port 10/100 PoE Smart Switch	fa1-fa48, gi1-gi4
SG250-08	8-port Gigabit Smart Switch	gi1-gi8
SG250-08HP	8-port Gigabit PoE Smart Switch	gi1-gi8
SG250-10P	10-Port Gigabit PoE Smart Switch	gi1-gi10
SG250-18	18-port Gigabit Smart Switch	gi1-gi18
SG250-26	26-Port Gigabit Smart Switch	gi1-gi26
SG250-26HP	26-Port Gigabit PoE Smart Switch	gi1-gi26
SG250-26P	26-Port Gigabit PoE Smart Switch	gi1-gi26
SG250-50	50-port Gigabit Smart Switch	gi1-gi50
SG250-50HP	50-port Gigabit PoE Smart Switch	gi1-gi50

Model	Description	Ports
SG250-50P	50-Port Gigabit PoE Smart Switch	gi1-gi50
SG250X-24	24-port Gigabit Smart Switch with 10G Uplinks	gi1-gi24, te1-te4
SG250X-24P	24-port Gigabit PoE Smart Switch with 10G Uplinks	gi1-gi24, te1-te4
SG250X-48	48-port Gigabit Smart Switch with 10G Uplinks	gi1-gi48, te1-te4
SG250X-48P	48-port Gigabit PoE Smart Switch with 10G Uplinks	gi1-gi48, te1-te4
SF350-08	8-Port 10/100 Managed Switch	fa1-fa8
SF350-24	24-Port 10/100 Managed Switch	fa1-fa24, gi1-gi4
SF350-24MP	24-Port 10/100 PoE Managed Switch	fa1-fa24, gi1-gi4
SF350-24P	24-Port 10/100 PoE Managed Switch	fa1-fa24, gi1-gi4
SF350-48	48-Port 10/100 Managed Switch	fa1-fa48, gi1-gi4
SF350-48MP	48-Port 10/100 PoE Managed Switch	fa1-fa48, gi1-gi4
SF350-48P	48-Port 10/100 PoE Managed Switch	fa1-fa48, gi1-gi4
SF352-08	8-Port 10/100 Managed Switch	fa1-fa8, gi1-gi2
SF352-08MP	8-Port 10/100 PoE Managed Switch	fa1-fa8, gi1-gi2
SF352-08P	8-Port 10/100 PoE Managed Switch	fa1-fa8, gi1-gi2
SG350-10	10-Port Gigabit Managed Switch	gi1-gi10
SG350-10MP	10-Port Gigabit PoE Managed Switch	gi1-gi10
SG350-10P	10-Port Gigabit PoE Managed Switch	gi1-gi10
SG350-10SFP	10-Port Gigabit Managed SFP Switch	gi1-gi10
SG350-20	20-Port Gigabit Managed Switch	gi1-gi20
SG350-28	28-Port Gigabit Managed Switch	gi1-gi28
SG350-28MP	28-Port Gigabit PoE Managed Switch	gi1-gi28
SG350-28P	28-Port Gigabit PoE Managed Switch	gi1-gi28

Model	Description	Ports
SG350-28SFP	28-Port Gigabit Managed SFP Switch	gi1-gi28
SG350-52	52-Port Gigabit PoE Managed Switch	gi1-gi52
SG350-52MP	52-Port Gigabit PoE Managed Switch	gi1-gi52
SG350-52P	52-Port Gigabit PoE Managed Switch	gi1-gi52
SG350-8PD	8-Port 2.5G PoE Managed Switch	gi1-gi6, tw7-tw8, te1-te2
SG350X-24	24-Port Gigabit Stackable Managed Switch	gi1-gi24, te1-te4
SG350X-24MP	24-Port Gigabit PoE Stackable Managed Switch	gi1-gi24, te1-te4
SG350X-24P	24-Port Gigabit PoE Stackable Managed Switch	gi1-gi24, te1-te4
SG350X-24PD	24-Port 2.5G PoE Stackable Managed Switch	gi1-gi10, gi13-gi22, tw11-tw12, tw23-tw24, te1-te4
SG350X-48	48-Port Gigabit Stackable Managed Switch	gi1-gi48, te1-te4
SG350X-48MP	48-Port Gigabit PoE Stackable Managed Switch	gi1-gi48, te1-te4
SG350X-48P	48-Port Gigabit PoE Stackable Managed Switch	gi1-gi48, te1-te4
SG350X-8PMD	8-Port 2.5G PoE Stackable Managed Switch	tw1-tw8, te1-te2
SX350X-08	8-Port 10GBase-T Stackable Managed Switch	te1-te8
SX350X-12	12-Port 10GBase-T Stackable Managed Switch	te1-te12
SX350X-24	24-Port 10GBase-T Stackable Managed Switch	te1-te24

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Model	Description	Ports
SX350X-24F	24-Port 10G SFP+ Stackable Managed Switch	te1-te24
SX350X-52	52-Port 10GBase-T Stackable Managed Switch	te1-te52
SG355-10P	10-Port Gigabit PoE Managed Switch	gi1-gi10
SF550X-24	24-Port 10/100 Stackable Managed Switch	fa1-fa24, te1-te4
SF550X-24MP	24-Port 10/100 PoE Stackable Managed Switch	fa1-fa24, te1-te4
SF550X-24P	24-Port 10/100 PoE Stackable Managed Switch	fa1-fa24, te1-te4
SF550X-48	48-Port 10/100 Stackable Managed Switch	fa1-fa48, te1-te4
SF550X-48MP	48-Port 10/100 PoE Stackable Managed Switch	fa1-fa48, te1-te4
SF550X-48P	48-Port 10/100 PoE Stackable Managed Switch	fa1-fa48, te1-te4
SG550X-24	24-Port Gigabit Stackable Managed Switch	gi1-gi24, te1-te4
SG550X-24MP	24-Port Gigabit PoE Stackable Managed Switch	gi1-gi24, te1-te4
SG550X-24MPP	24-Port Gigabit PoE Stackable Managed Switch	gi1-gi24, te1-te4
SG550X-24P	24-Port Gigabit PoE Stackable Managed Switch	gi1-gi24, te1-te4
SG550X-48	48-Port Gigabit Stackable Managed Switch	gi1-gi48, te1-te4
SG550X-48MP	48-Port Gigabit PoE Stackable Managed Switch	gi1-gi48, te1-te4
SG550X-48P	48-Port Gigabit PoE Stackable Managed Switch	gi1-gi48, te1-te4

Model	Description	Ports
SX550X-12F	12-Port 10G SFP+ Stackable Managed Switch	te1-te12
SX550X-16FT	16-Port 10G Stackable Managed Switch	te1-te16
SX550X-24	24-Port 10GBase-T Stackable Managed Switch	te1-te24
SX550X-24F	24-Port 10G SFP+ Stackable Managed Switch	te1-te24
SX550X-24FT	24-Port 10G Stackable Managed Switch	te1-te24
SX550X-52	52-Port 10GBase-T Stackable Managed Switch	te1-te52
SG350XG-24F	24-Port 10G SFP+ Stackable Managed Switch	te1-te24
SG350XG-24T	24-Port 10GBase-T Stackable Managed Switch	te1-te24
SG350XG-2F10	12-Port 10G Stackable Managed Switch	te1-te12
SG350XG-48T	48-Port 10GBase-T Stackable Managed Switch	te1-te48
SG550XG-24F	24-Port 10G SFP+ Stackable Managed Switch	te1-te24
SG550XG-24T	24-Port 10GBase-T Stackable Managed Switch	te1-te24
SG550XG-48T	48-Port 10GBase-T Stackable Managed Switch	te1-te48
SG550XG-8F8T	16-Port 10G Stackable Managed Switch	te1-te16

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What's New in this Release

- UI enhancements—The following enhancements were added to the management user interface:

  - Syslog pop up "close all" control—Added a control to the Syslog pop up that you can click to close all pop up notifications.

  - Hostname in UI header bar—Added a label that includes the device hostname to UI head bar, which allows you to quickly identify the switch being managed.

  - Interface Description—The user-defined interface descriptions for ports and LAGs are shown in the UI as part of the interface ID.

- Hardware and Router resource management enhancement—The mechanism for setting and controlling the hardware resources for the following entry types has been revised: IPv4 routing entries (unicast and multicast); IPv6 routing entries (unicast and multicast); VLAN mapping and IPv4 and IPv6 Policy Based Routing (PBR).

  With this enhancement, you need only to preallocate IPv4 PBR, IPv6 PBR, and VLAN mapping. Other entry types (IPv4 UC/MC routing and IPv6 UC/MC routing) are allocated dynamically based on user configuration and the amount of entries that are actually available (subject to system level limits). Needing to allocate the number of feature entries and not hardware entries can make allocation easier to understand and plan.

  Because routing entries are now allocated dynamically, if there is an "overfill" of routing entries (because a user or application adds more entries than the hardware table can support), routing operation switch to software based routing. In this situation, you can readjust device configuration and then re-enable hardware based routing.

- 802.1x MAC based authentication type—In addition to the existing EAP method for authenticating MAC based supplicants, the device now supports the "Pure RADIUS" method. This new method allows the device to be placed in networks in which the RADIUS server separates 802.1x supplicant authentication from MAC based supplicant authentication.

- Username and password format for 802.1x MAC based authentication—In addition to the existing format of MAC based authentication of user names and passwords (both equal the MAC address of device, with all lower case characters and no spaces or colons between bytes), the device now allows you to configure the format to use for the MAC based user name. You can configure the user name group size, separator, and case (lower/upper). In addition, you can define the password to use password== username or to use a user-specified password.

- Smart Network Administration (SNA)—Added full support for SNA to the Sx250 device.

- Secure boot—The secure boot feature prevents loading unauthorized boot and software images to a device. This feature uses asymmetric encryption of private and public keys to validate the boot and software image. If you attempts to load an unauthorized or modified image file to a device, the load operation fails. This feature is supported on SX350X and SX550X devices.

- Multiple language support—In addition to English, you can load up to two language files on a device. (Chinese and Japanese are supported now.) You can then select which of the language files to use.

- Show fans and sensors—When using **show system fan** or **show system sensors** command, more detailed information is now provided for the corresponding component. For example, the information now includes fan status, RPM, and specific sensor temperature and thresholds.

- Show inventory—The **show inventory** command supports the display of information for a wider range of SFPs, based on EEPROM information and the MSA standard.

Downgrade Notes

Boards that are released with the current release (2.4.0x) will use an updated PoE chipset: 6920xM version 0x4a02. In addition to this new chipset version, devices support the following:

- PoE chipset 6920xM version 0x4b42 (used on boards manufactured using software version 2.2.8.4 through 2.4.0.x)

- PoE chipset 6920x version 0x4ac2 (used on boards manufactured using software version 2.1.0.63 through 2.2.7.7)

The PoE chipset version displays as part of the **show power inline** command output.

Due to the different chipset version support, the following downgrade rules apply:

- Non-PoE devices, and PoE devices that use the original PoE chipset (69208 0x4ac2), follow the same downgrade rules as previous versions: downgrade is supported through the first software version that the device supports

- For Sx250 devices that support PoE chipset 0x4b42, downgrades to software version 2.2.7 or earlier are prevented

- For SG250-10P, SG250-26HP/P, and SF250-48HP devices, which support chipset 0x4a02, downgrading from software release 2.4 is prevented

- For SF250-24P, SG250-08HP, SG250-50HP, SG250-50P, SG250X-24P, and SG250X-48P devices, which support chipset 0x4a02, you can downgrade only to version 2.3.5 (the first software version that supports these devices)

- For Sx350 or Sx550 PoE devices that support chipset 0x4a02 or 0x4b42, downgrading software version 2.2.7 or lower is prevented

Known Issues

Open Bugs in Software Version 2.4.0.91

This section lists that bugs that are acknowledged in software version 2.4.0.91.

Table 1   Open Bugs in Software Version 2.4.0.91

Bug ID	Description
CSCvj32368	**Symptom:** When using the **show green-ethernet** command, the display of Power Savings % as a result of short reach setting is not accurate. **Workaround:** There is no workaround.
CSCvj32379	**Symptom:** On some SKUs, fan RPM (Rounds Per Minutes) is displayed as "0" when issuing the **show fans system** CLI command. Fan functionality is not affected. **Workaround:** There is no workaround.
CSCvj32418	**Symptom:** In rare scenarios (adding 700 certain IPv6 routes), hardware routing is disabled even though the resource table is not full. **Workaround:** Configure fewer or different IPv6 routes. If the issue still occurs, reduce some routes that are not needed and reactivate hardware based routing.
CSCvj32432	**Symptom:** Sx550x in hybrid stack mode supports 2,000 Layer 2 Multicast entries (should support 4,000). **Workaround:** Use native mode if possible.
CSCvj32442	**Symptom:** The **Show inventory** command displays wrong information or format of PID and vid = "information not available" for the following SFPs: MFEFX1, MFELX1, MFEBX1, MFEBBX1, MFEBSX1, MFELH1, MFELX1 and MGBT1. This issue affects the display and has no functional effect. **Workaround:** There is no workaround.
CSCvj32448	**Symptom:** In some cases, a fiber link flaps when connecting a SFP MGBLX1 and a 40km fiber cable to some SFP ports. Eventually the link may go down due to link flap prevention. **Workaround:** There is no workaround.

Table 1   Open Bugs in Software Version 2.4.0.91 (Continued)

Bug ID	Description
CSCvj32452	**Symptom:** TCP and UDP port range option is not supported in IPv6 ACL. **Workaround:** Configure specific ports one by one instead of configuring a port range.

Resolved Bugs in Software Version 2.4.0.91

This section lists that bugs that are resolved in software version 2.4.0.91.

Table 2   Resolved Bugs in Software Version 2.4.0.91

Bug ID	Description
CSCva97603	**Symptom:** If the last physical interface in a VLAN is set to L3 mode and then back to L2 mode, the VLAN status stays down.
CSCve55065	**Symptom:** 6to4 tunnel traffic is not forwarded in line rate when the tunnel outgoing port is trunk or general tagged.
CSCve55072	**Symptom:** When defining a time range for a PoE operation and the time range does not include the hour 00:00 as the active time, the PoE consumption values for hours, days and weeks show 0 even if there is a consumption during the displayed period (minutes display correct values).
CSCve55078	**Symptom:** Egress traffic shaping on XG device uplink interfaces limits traffic to 80 Kbps, even if you configured a lower rate.
CSCvf88706	**Symptom:** When connecting an additional unit to an existing stack of 3 units, PoE info for unit 1 is not displayed in CLI or GUI.
CSCvf88738	**Symptom:** Port is suspended (shutdown) when unbinding a specific ACL from port under traffic if the ACL includes a deny ACE with a "disable-port" option.
CSCvf88761	**Symptom:** Enable Ipv6 routing first then configure an Ipv6 6to4 tunnel, tunnel status is "not present."

Table 2   Resolved Bugs in Software Version 2.4.0.91 (Continued)

Bug ID	Description
CSCvf88777	**Symptom:** SSH connection is slow when connecting from one switch (SSH client) to another switch (SSH server)

Open Bugs in Software Version 2.3.5.63

This section lists that bugs that are acknowledged in software version 2.3.5.63.

Table 3   Open Bugs in Software Version 2.3.5.63

Bug ID	Description
CSCvf88706	**Symptom:** When connecting an additional unit to an existing stack of 3 units, PoE info for unit 1 is not displayed in CLI or GUI. **Workaround:** Reboot the stack.
CSCvf88738	**Symptom:** Port is suspended (shutdown) when unbinding a specific ACL from port under traffic if the ACL includes a deny ACE with a "disable-port" option. **Workaround:** shutdown then no shutdown the port to recover.
CSCvf88746	**Symptom:** SNA connection to switch is disconnected following switch reboot after upgrade of switch to a new firmware version. **Workaround:** Refresh browser to reconnect to switch.
CSCvf88761	**Symptom:** Enable Ipv6 routing first then configure an Ipv6 6to4 tunnel, tunnel status is "not present." **Workaround:** Disable then enable Ipv6 routing or configure the tunnel first then enable Ipv6 routing.
CSCvf88777	**Symptom:** SSH connection is slow when connecting from one switch (SSH client) to another switch (SSH server) **Workaround:** There is no workaround.

Table 3   Open Bugs in Software Version 2.3.5.63 (Continued)

Bug ID	Description
CSCvf88810	**Symptom:** Non-combo SFP ports will not support 100M SFP module. **Workaround:** There is no workaround.

Open Bugs in Software Version 2.3.0.130

This section lists that bugs that are acknowledged in software version 2.3.0.130.

Table 4   Open Bugs in Software Version 2.3.0.130

Bug ID	Description
CSCve55065	**Symptom:** 6to4 tunnel traffic is not forwarded in line rate when the tunnel outgoing port is trunk or general tagged. **Workaround:** Configure tunnel outgoing port as access or no switch port.
CSCve55069	**Symptom:** Some functions in the web GUI not response when using the Apple Safari browser: reboot button, logout, Stop button of Locate Device. **Workaround:** Use the Google Chrome, Mozilla Firefox, or Microsoft Edge browser.
CSCve55070	**Symptom:** When a PoE port is connected to a neighbor that is not a PD, the invalid signature counter keeps increasing. **Workaround:** This behavior is expected behavior due to the detection process when a non-PD devices is connected to a port.
CSCve55072	**Symptom:** When defining a time range for a PoE operation and the time range does not include the hour 00:00 as the active time, the PoE consumption values for hours, days and weeks show 0 even if there is a consumption during the displayed period (minutes display correct values). **Workaround:** There is no workaround.

Table 4   Open Bugs in Software Version 2.3.0.130 (Continued)

Bug ID	Description
CSCve55074	**Symptom:** In some cases, If the unit-ID setting of a unit in a stack is changed from set ID to auto unit ID, the device does not join the stack after reload. **Workaround:** Do not change unit ID settings on a unit already in a stack. If the issue happens, disconnect and then reconnect the "stuck" unit from the power source to re-add it to the stack. This bug is resolved in software version 2.3.5.63.
CSCve55078	**Symptom:** Egress traffic shaping on XG device uplink interfaces limits traffic to 80 Kbps, even if you configured a lower rate. **Workaround:** Use an egress shaping value higher than 80 Kbps.
CSCve55081/ CSCve55217	**Symptom:** On some devices and on certain ports when no cable is connected or cable length is very short, running Cable test via the "test cable-diagnostics tdr" command may provide unpredictable results. **Workaround:** There is no workaround
CSCve55082	**Symptom:** If a Cisco 28/29xx terminal server is connected to slave units and "exec" is configured on line, when issuing a reboot command (from master) slave unit reboot may be suspended. **Workaround:** To prevent this issue, configure "no exec" on line of terminal server before rebooting the stack.
CSCve55087	**Symptom:** After a unit switchover from backup to master, the USB interface does not recognize an inserted flash stick (disk on key) **Workaround:** Reload the unit. This bug is resolved in software version 2.3.5.63.

Table 4   Open Bugs in Software Version 2.3.0.130 (Continued)

Bug ID	Description
CSCve55090	**Symptom:** SNA—when configuring duplex and speed settings for multiple interfaces at the same time, the web page needs to be refreshed to view updated setting. **Workaround:** Refresh web page
CSCve55094	**Symptom:** Queue statistics: packet size is calculated based on the packet size on ingress, although statistics are egress statistics. **Workaround:** There is no workaround.
CSCve55102	**Symptom:** PoE: In rare cases, the voltage display for ports connected to PD, is lower than actual voltage. **Workaround:** There is no workaround.
CSCve55112	**Symptom:** Config migration: when converting a configuration file from a Sx200/Sx300/Sx500 PoE device to a Sx250/Sx350/Sx550 non-PoE device, the following command includes PoE parameter and loading of the file to the destination device fails: "lldp med enable network-policy poe-pse inventory." **Workaround:** Manually remove the items related to PoE.
CSCve55117	**Symptom:** Config migration tool: When converting large files (more than 10,000 lines), the browser may respond slowly or crash. **Workaround:** There is no workaround.
CSCve55188	**Symptom:** Web browser can hang due to lack of RAM because SNA does not release RAM correctly when left open for a long time, such as overnight. **Workaround:** There is no workaround.
CSCve55203	**Symptom:** SNA: When selecting multiple devices on which to upgrade firmware and choosing the reboot devices after download option, success indication is provided before the operation completes on all devices. **Workaround:** There is no workaround.

Table 4   Open Bugs in Software Version 2.3.0.130 (Continued)

Bug ID	Description
CSCve55206	**Symptom:** On XG devices with less than 48 ports, queue statistics from the "show queue statistics" command may show wrong information regarding the number of packets and bytes. **Workaround:** There is no workaround.
CSCve60999	**Symptom:** In some cases, a unit may not rejoin a stack after a master switchover (from original master to backup) or when the unit is disconnected and then reconnected to stack. **Workaround:** Disconnect and then reconnect the "stuck" unit from the power source to re-add it to the stack. This bug is resolved in software version 2.3.5.63.

Open Bugs in Software Version 2.2.8.04

This section lists that bugs that are acknowledged in software version 2.2.8.04.

Table 5   Open Bugs in Software Version 2.2.8.04

Bug ID	Description
CSCvc73697	**Symptom:** Learned voice VLAN greater than 1024 flush existing VLAN. **Workaround:** There is no workaround. This bug is resolved in software version 2.3.0.130.

Open Bugs in Software Version 2.2.7.07

There are no new open bugs in software version 2.2.7.07.

Open Bugs in Software Version 2.2.5.68

This section lists that bugs that are acknowledged in software version 2.2.5.68.

Table 6   Open Bugs in Software Version 2.2.5.68

Bug ID	Description
CSCva97565	**Symptom:**　The command "delete sna storage file-name" is missing from the system management chapter of the CLI guide.This command allows the deletion of SNA settings that are saved for a specific user (specified in "file-name" parameter). **Workaround:**　There is no workaround. This bug is resolved in software version 2.2.5.68.
CSCva97578	**Symptom:**　SNA—In rare situations if SNA display is not touched for many hours, the SNA topology display is out of sync. **Workaround:**　Refresh the SNA display.
CSCva97583	**Symptom:**　SNA—In some cases, if a device is preconfigured (via CLI or web) with 802.1x/RADIUS configurations, display/configuration via DAC may fail. **Workaround:**　Remove all manual DAC related settings (802.1x/RADIUS) from the device before using the DAC feature. This bug is resolved in software version 2.3.0.130.
CSCva97586	**Symptom:**　RSPAN—If traffic is simultaneously forwarded to a destination port due to a mirror operation and another operation (such as regular forwarding), not all traffic is mirrored to the RSPAN destination port **Workaround:**　There is no workaround.
CSCva97588	**Symptom:**　SNA—When logging in to a device with an IPv6 address using Win10 Edge, cannot view network topology. **Workaround:**　Use an IPv4 address or other browsers to connect. This bug is resolved in software version 2.3.0.130.

Table 6   Open Bugs in Software Version 2.2.5.68 (Continued)

Bug ID	Description
CSCva97591	**Symptom:** SNA—If devices have different times, selecting any statistics in "Connection Explorer" with interfaces selected for devices with different clock times shows incorrect graphs. **Workaround:** Make sure that all devices have synchronized clocks (for example, via SNTP).
CSCva97601	**Symptom:** Cannot upgrade firmware and configuration file from an SNA device to devices with version V2.1 or lower. **Workaround:** Download of firmware to versions earlier than 2.2 is not supported.
CSCva97603	**Symptom:** If the last physical interface in a VLAN is set to L3 mode and then back to L2 mode, the VLAN status stays down. **Workaround:** Perform a shutdown/no shutdown on the physical interface.
CSCva97605	**Symptom:** Upgrading boards running version 2.2.0.x to version 2.2.5.x is not possible via XMODEM. **Workaround:** Use TFTP for upgrading from version 2.2.0.x to version 2.2.5.x.

Open Bugs in Software Version 2.2.0.63

This section lists that bugs that are acknowledged in software version 2.2.0.63.

Table 7   Open Bugs in Software Version 2.2.0.63

Bug ID	Description
CSCuy97777	**Symptom:** After reload, the actual spanning tree cost of port-channel is different with running-config. **Workaround:** There is no workaround. This bug is resolved in software version 2.2.5.

Table 7   Open Bugs in Software Version 2.2.0.63 (Continued)

Bug ID	Description
CSCuy97791	**Symptom:** When STP cost path is equal, Port channel is always selected as root port even if it has a higher priority value. **Workaround:** STP still functions properly and no loops are created. If needed, use cost setting to change the root port. This bug is resolved in software version 2.2.5.
CSCuy97837	**Symptom:** On dashboard, the port rx Traffic Error indication shows in red even though the interface counter and rmon statistics of proper ports were cleared. **Workaround:** There is no workaround. This bug is resolved in software version 2.2.5.
CSCuz01765	**Symptom:** Some revisions of the Cisco IP Phone 7960 cannot be powered up on switch 60W ports. **Workaround:** This issue occurs due to a short between phone pins. Connect phone to af/at ports or use Cat 3 cable (2 pairs) to connect a phone to a 60W port.
CSCuy97915	**Symptom:** Cannot change XG port setting to "disable negotiation" and set speed at the same time via the GUI. **Workaround:** First disable negotiation and click **Apply**, then change speed and click **Apply**.
CSCuy97943	**Symptom:** In some cases, master unit reloads if stack unit type is changed from fixed to auto. **Workaround:** Occurs only if stack units are reloaded twice. Stack stabilizes following master reload. This bug is resolved in software version 2.2.5.
CSCuy97946	**Symptom:** DHCPv6 relay does not work if destination is set to tunnel interface. **Workaround:** Use IPv6 Global destination address as DHCPv6 destination.

Table 7   Open Bugs in Software Version 2.2.0.63 (Continued)

Bug ID	Description
CSCuy97999	**Symptom:** When using web based authentication and device DHCP server, unauthenticated station IP address is not expired after station is sent DHCP release. **Workaround:** Wait until the IP address expires after full lease expiration.
CSCuz45730	**Symptom:** When negotiating 60W PoE with Cisco PD switches, Cisco PoE-PSE switches sometimes are not able to provide 60W and provide 30W only. **Workaround:** Connect PD switch to PSE switch before PSE switch boot up. Or disconnect then connect PD switch when issue happens. Or use static 60 watt. This bug is resolved in software version 2.2.5.

Open Bugs in Software Version 2.1.0

This section lists that bugs that are acknowledged in software version 2.4.0.91.

Table 8   Open Bugs in Software Version 2.1.0

Bug ID	Description
CSCux77649	**Symptom:** When connecting a switch to a Cisco Catalyst compact UPOE PD device, LLDP may not negotiate power on AT / AF ports. **Workaround:** Use CDP to negotiate. This bug is resolved in software version 2.2.0.
CSCux77651	**Symptom:** When applying policer on ingress interface and sending traffic with multiple priority may result in dropping of higher priority traffic on lower speed egress ports. **Workaround:** There is no workaround.

Table 8   Open Bugs in Software Version 2.1.0 (Continued)

Bug ID	Description
CSCux77654	**Symptom:** Egress ACL cannot be applied to and interface if ACE includes TCP/UDP port range as a parameter. **Symptom:** Apply required TCP/UDP ports as individual ports in ACL, or apply a range as ingress ACL on relevant interfaces. This bug is resolved in software version 2.2.5.
CSCux77675	**Symptom:** Aggregate policer QoS statistic always display a value of 0 for both in and out of profile counters. **Workaround:** There is no workaround. This bug is resolved in software version 2.2.5.
CSCux89410	**Symptom:** PVID is enabled on an interface when membership type is set to forbidden via the GUI. Interface functionality is not affected. The port still blocks traffic for the relevant VLAN. **Workaround:** There is no workaround. This bug is resolved in software version 2.2.0.
CSCux89413	**Symptom:** Auto SmartMacro—In some cases, the interface is set to BPDU guard erri-disable state after replacing the device connected to the interface from a phone/desktop to switch. **Workaround:** Either disable persistent setting on the interface, or, after the issue occurs, remove the desktop/phone macro from the interface, reactivate the port, and then connect the switch to the interface.
CSCux89418	**Symptom:** When connecting Sx350P as PD to Sx300P/ Sx500P as PSE, Sx350P reboots when disconnecting AC power. After rebooting, Sx350P powers up and functions as expected. **Workaround:** There is no workaround.

Table 8   Open Bugs in Software Version 2.1.0 (Continued)

Bug ID	Description
CSCux89582	**Symptom:** Interface is suspended (down) when connecting a copper SFP (MGBT1/GLC-T SFP) with no cable. This issue happens when inserting uplink GE ports (for example, gi3 or gi4) of Sx350/Sx250 or to XG network ports. **Workaround:** To prevent interface suspension, insert the cable to SFP before inserting SFP to port. If port is already in suspended state, insert the cable into SFP and then activate the suspended port, and the port moves to up state.
CSCux89585	**Symptom:** If CDP and LLDP are both enabled on a port, disabling one of them may cause the remaining protocol PoE negotiation to fail. **Workaround:** Do not enable both CDP and LLDP power negotiation at the same time. If the issue occurs, disconnect and then reconnect cable to PD. This bug is resolved in software version 2.3.0.130.
CSCux89597	**Symptom:** In port limit mode, the default admin power limit value for all types of ports (AF, AT, and 60W PoE) is 30 watts. **Workaround:** Manually set a limit of 60 watts if needed.
CSCux89611	**Symptom:** Power negotiation for 60W PoE via LLDP may take up to 1 minute to complete. **Symptom:** There is no workaround.
CSCux89626	**Symptom:** When connecting 60W PD to switch, in some cases power indication on switch is higher than 60W. This bug is a display issue. Actual PD consumption is 60W **Workaround:** There is no workaround.

Open Bugs in Software Version 2.0.0

This section lists that bugs that are acknowledged in software version 2.0.0.

Table 9   Open Bugs in Software Version 2.0.0

Bug ID	Description
CSCuq03628	**Symptom:** An ISATAP client sends RS packets only when the tunnel interface is disabled and then enabled. **Workaround:** As long as the tunnel endpoints are both SG350XG/ SG550XG, the tunnel works. In mixed devices applications, manually disable and enable the tunnel interface.
CSCur86883	**Symptom:** When using the web-based configuration interface to set up queue scheduling, you may have a lengthy response time if the system includes a stack of four or more units. **Workaround:** After about one minute, the web-based configuration interface becomes responsive again, and the setting takes effect. Use the command line interface (CLI) commands for a quicker response time
CSCuu60952	**Symptom:** When changing an ACE action using the configuration interface, (for example, from deny to shutdown) ACE may be removed from the ACL. **Workaround:** Reconfigure the ACE, or use the CLI to remove the ACE and then configure it with the new action.
CSCuu60958	**Symptom:** When configuring a MAC ACE using the web-based configuration interface, creation of new ACE may fail with an error message of "Entry Already Exists," even though it does not exist. **Workaround:** Configure the ACE again and it will be accepted, or use the CLI to configure the ACE.
CSCuu60983	**Symptom:** If VRRP is enabled on a device, DCHP relay using Option 82 fails. **Workaround:** If VRRP is enabled on device, use DHCP relay without activating Option 82.

Table 9   Open Bugs in Software Version 2.0.0 (Continued)

Bug ID	Description
CSCuu60986	**Symptom:** When enabling flow control on the LAG using the user interface, the port LEDs will not light even if link is up. **Workaround:** This bug is a LED display issue. The functions work as expected. If needed, enable flow control using the command line interface. This bug is resolved in software version 2.2.0.
CSCuu60989 CSCuu61046	**Symptom:** Enabling an 802.1X guest VLAN or a Voice VLAN on a port is forbidden, if the port is a static member of the VLAN and it is in switchport mode (including inactive modes). **Workaround:** Change the port VLAN membership that use switchport modes so that the port is not a static member in the desired VLAN. **NOTE** In switchport mode Trunk, the port is a member of all the VLANs by default. Remove the membership in the desired VLANs, or in all VLANs, prior to configuring the 802.1X guest VLAN or the Voice VLAN. This bug is resolved in software version 2.2.5.
CSCuu61008	**Symptom:** Agreed Auto Voice VLAN cannot be defined as a primary VLAN, even after the voice VLAN is disabled. **Workaround:** There is no workaround.
CSCuu61061	**Symptom:** If short reach is enabled on a port, the cable length test using a Cat6a cable fails. **Workaround:** Disable short reach when running the cable length test on an interface. This bug is resolved in software version 2.2.5.
CSCuu61080	**Symptom:** DHCP router option (Option 3) is sent by the switch DHCP server, even if the option is not configured for this pool. **Workaround:** There is no workaround. This bug is resolved in software version 2.2.0.

Table 9   Open Bugs in Software Version 2.0.0 (Continued)

Bug ID	Description
CSCuu61084	**Symptom:** IPv6 Routes always display a metric value of "0. **Workaround:** This bug is a display issue. The correct metric is used for IPv6 L3 forwarding decisions. This bug is resolved in software version 2.2.5.
CSCuu61088	**Symptom:** The **show qos interface** command displays info for interfaces that are not present. **Workaround:** This bug is a display issue only.
CSCuu61100	**Symptom:** Link partner shows that the link is up, even if the device interface is administratively shut down. **Workaround:** This bug is a display issue. The link is actually down and does not forward traffic.
CSCuu61125	**Symptom:** The **show** VLAN command, for VLAN 1, shows non-present interfaces (port and stack units). **Workaround:** This bug is a display issue only.
CSCuu65516	**Symptom:** If a language file fails to download (for example, due to a network problem), your Internet browser may display "incomplete/error information." **Workaround:** Delete your browser cookies and try again. The device can still be managed using Telnet.
CSCuu65557	**Symptom:** If the management session is using the device's IPv6 address, and this is a secure session (HTTPS), the device cannot be managed using the Safari browser. **Workaround:** Either use a different browser (such as Internet Explorer) or set up an insecure session (HTTP).
CSCuu65577	**Symptom:** When using the web-based configuration interface to set a new keychain for RIP, include an accept-lifetime. If you don't include an accept-lifetime, the configuration doesn't take effect. **Workaround:** Use a CLI to enter the keychain, or on the user interface, enter both an accept lifetime and a send lifetime.

Table 9   Open Bugs in Software Version 2.0.0 (Continued)

Bug ID	Description
CSCuu65593	**Symptom:** On fiber-only ports, negotiation is always enabled; however, the show command displays negotiation as disabled. If the link partner's negotiation is disabled, the link might not come up. **Workaround:** Verify that the link partner's negotiation is enabled.
CSCuu65595	**Symptom:** MLD Snooping mode on IP v6 inter faces is always (*, G), even if you set the mode to (S, G). **Workaround:** There is no workaround

Where to Find Support

For current support information, visit the following URLs:

www.cisco.com/c/en/us/support/switches/550x-series-stackable-managed-switches/tsd-products-support-series-home.html

www.cisco.com/c/en/us/support/switches/350x-series-stackable-managed-switches/tsd-products-support-series-home.html

www.cisco.com/c/en/us/support/switches/350-series-managed-switches/tsd-products-support-series-home.html

www.cisco.com/c/en/us/support/switches/250-series-smart-switches/tsd-products-support-series-home.html

www.cisco.com/go/smallbizsupport