

SilverStorm™ 9000

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1. Version

These release notes describe the changes, fixes, known issues, and release details that apply to the SilverStorm 9000 switches, version 4.2.2.0.2.

2. Changes

The following changes and fixes have been made between versions 4.2.1.1.1 and 4.2.2.0.2.

Hardware Support

- None

OS Support

- None

Software Components

- For added security, the CLI command "uiConfig" can disable non-secure methods of connecting to the switch, such as telnet, HTTP, FTP and SNMP.
- New CLI command "logSyslogTest" sends a test message of specified severity (error, warning, or notice) to the syslog server.
- The number of virtual lanes can now be specified with a new option for the CLI command "ismChassisSetMtu".
- To better identify link problems, DDR-capable links that negotiate to a slower speed are highlighted in red on the GUI's IB Port Statistics screen.
- The "swapBsDel" setting is now saved per user, and will persist across multiple CLI sessions.
- New CLI command "setIBNodeDescFormat" can configure the verbosity of the IB SMA node descriptions.

Industry Standards Compliance

- N/A

Miscellaneous

- **(9000 Common)** This release now includes Mellanox Anafa II firmware level 1.0.4 rc 14.
- **(9000 MPFD only)** Because the 'reboot now all' command does not work properly in 4.0.3.0.8, and the FVIC card is not rebooted after this command is issued, when upgrading a chassis and an FVIC from 4.0.3.0.8 to 4.2.2.0.2, the user will need to reboot the chassis a second time after it comes up with 4.2.2.0.2.

3. Bug Fixes

The following fixes have been made between versions 4.2.1.1.1 and 4.2.2.0.2:

- **9000 Series Common:**
 - CLI command "loginmode" now has a good return code.
 - The deprecated "No Operator Access" login mode has been removed from the GUI menu.
 - If database synchronization fails, it will correctly attempt to re-sync after the retry period.
 - 1x link mode on a standby SM can no longer affect the fabric.
 - SDR link width value for spines is now correctly displayed in the GUI.
 - File size limit has been removed from SRP configurations.
 - Subnet manager log messages for node appearance and disappearance now contain a "LINKEDTO" field.
- **9024 Specific:**
 - Switch resets no longer cause symbol errors on ports 13 or 23 of the 9024.

- **9020 Specific:**
 - The IPoIB commands for the 9020 no longer appear in the 9020 CLI, since the 9020 shuttle does not support IPoIB.
- **9040 Specific:**
 - None.
- **9080 Specific:**
 - None.
- **9120 Specific:**
 - None.
- **9240 Specific:**
 - None.
- **VIO (EVIC and FVIC) Common:**
 - None.
- **FVIC Specific:**
 - Manual FVIC configuration backup and restore now operates reliably.
 - Certain hexadecimal values in SRP maps no longer cause parse errors when restoring the configuration.
 - Automatic configuration restoration on a newly inserted FVIC now works correctly.
- **EVIC Specific:**
 - Configuring manual link aggregation will no longer cause occasional errors.
- **Miscellaneous:**
 - None.

4. Known Issues

Known Issue	Workaround
<p>(9000 Common) If thresholds for symbol errors have been set (ismSetPStatThresh) and a host directly-attached to the switch is rebooted, the user will see a message similar to the following in the switch log:</p> <pre>MasterSpine1-> W 2006/07/11 13:47:29.640D: Thread "ibStatThr" (0x868a3d80) TMS: Infiniband Error Statistic Overlimit: icsIBStatMib: portSymbolErr Port name: L04P03 Id : 0 Rate: 65535 Threshold: 1 W 2006/07/11 13:47:30.640D: Thread "ibStatThr" (0x868a3d80)</pre>	None. These errors can be safely ignored.
<p>(9040 through 9240 only): Power cycling the chassis by disconnecting the power cords causes leaf or IB ports to hang.</p>	After unplugging the power cord(s), wait approximately one (1) minute before reinserting.
<p>(9024): If the SilverStorm 9024 is shipped with only one (1) power supply, it will be installed in the right power supply slot. The left slot will be populated with a power supply blank (no LED) to maintain the thermal integrity of the chassis. With only one power supply, the chassis status LED will never be green. It will always be amber.</p>	None.
<p>(9000 Common): TimezoneDaylight Saving Time (DST) setting does not allow DST-start month to be greater than DST-end month.</p>	For locations in the southern hemisphere, set the DST time manually.
<p>(9000 Common): The following CLI commands are not supported in this release:</p> <ul style="list-style-type: none">• IpolbConfigEnable• IpolbConfigShow• IpolbAddressShow• IpolbAddressSet	None.

5. Additional Information

Included in this release:

- **SilverStorm 9000 Firmware version 4.2.2.0.2 for the following switches:**
 - **SilverStorm 9024**
 - **SilverStorm 9020**
 - **SilverStorm 9040**
 - **SilverStorm 9080**
 - **SilverStorm 9120**
 - **SilverStorm 9240**

NOTE: SilverStorm 9000 BootRom version 3.3.0.0.12 or greater is supported.

Miscellaneous:

- **Due to changes in the 4.2 switch chip firmware, when upgrading from a previous release it will take up to 8 minutes to update a fully-populated 9120 chassis (or 9240 hemisphere) when upgrading from a 4.1 or 4.0 level of firmware.**
- **If there are dual managed spines in a chassis, this release must be placed on both spines as the inactive image. Both spines must then be set to boot into this image. Once complete, reboot both spines. This will be a disruptive reboot. It is recommended to always have both spines running the same version of firmware.**

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