

Emulex® Drivers for Solaris Release Notes

Versions: FCoE elxfc version 11.1.89.0
NIC elxnic version 11.1.2.0
FCA Utilities version 11.1.89.0

Date: October 14, 2016

Purpose and Contact Information

These release notes describe the new features, resolved issues, and known issues associated with this Emulex® drivers for Solaris release. For the latest product documentation, go to www.broadcom.com. If you have questions or require additional information, contact an authorized Broadcom® technical support representative at ecd-tech.support@broadcom.com, 800-854-7112 (US/Canada toll free), +1 714-885-3402 (International), or +49 8941352 0244 (Europe, Middle East, and Africa; UK business hours only 8:30 a.m. to 5:00 p.m. UTC Monday through Friday).

New Features

There are no new features for this release.

Resolved Issues

There are no resolved issues for this release.

Known Issues

1. On OCe14000-series adapters, firmware version 11.1.xxx.x and later includes new features that require new flash regions to support them.

Firmware versions earlier than 10.0.803.37 did not have the ability to configure the flash regions to support these new features.

If you are updating from a firmware version earlier than 10.0.803.37, use one of these methods to update the firmware to 11.1.xxx.x:

- Use the Offline Flash International Standards Organization (ISO) flash tool.
- Use the released 11.1 version of the `emlxadm` utility. You must perform the firmware update procedure twice to ensure that the flash regions are properly configured, and you must reboot the system after each firmware update.

Note: After you have updated the firmware, you must not downgrade the firmware to a version earlier than 10.0.803.37.

If you are updating from firmware version 10.0.803.37 or later, use one of these methods to update the firmware to 11.1.xxx.x:

- Use the ISO flash tool.
- Use the released 11.1 version of the `emlxadm` utility, and reboot the system after the firmware update. (It is not necessary to perform the firmware update process twice.)

Note: After you have updated the firmware, you must not downgrade the firmware to a version earlier than 10.0.803.37.

2. **On Solaris 10 u10, the `fc-fabric` service might not start, and the entire system might go into maintenance mode.**

Workaround

Disable Fibre Channel over Ethernet (FCoE) from the switch management interface until the system is rebooted, and then re-enable the ports.

3. **If a firmware download procedure does not need a reboot, the `fcinfo hba-port` command output displays the previous value of the functional code/basic input/output system (FCode/BIOS) Version field. A firmware download procedure might not require a reboot (depending on the difference between the current and the new firmware versions). After the firmware is successfully downloaded, the utility prints whether a reboot is required. If a reboot is not required to complete the procedure, then the output from the `fcinfo hba-port` command displays the previous value of the FCode/BIOS Version field. All other fields in the command output show updated values.**

Workaround

Reboot the system. After the reboot, the FCode/BIOS Version field displays the updated version.

4. **Warning messages might be seen during firmware download.**

If the new firmware takes effect without a reboot, the driver attempts to reset the device. During the reset, some warning messages are displayed. These warning messages are expected and do not indicate any anomaly. You can safely ignore them. After the device is successfully reset, no messages are displayed.

Workaround

None.

5. **Boot from storage area network (SAN) does not work on x86 systems with OCe14000-series FCoE adapters running Solaris 11.2 and later.**

Workaround

None.

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