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Emulex Drivers for Solaris Release Notes

Versions: Emulex Drivers for Solaris
FCoE elxfc version 11.0.200.0
NIC elxnic version 11.0.232.0
FCA Utilities version 11.0.200.0

Date: March 1, 2016

Purpose and Contact Information

These release notes describe the new features and known issues associated with this Broadcom®
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
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714-885-3402 (US/International), or +44 1189-772929 (Europe, Middle East, and Africa).

New Features

1. **Adds support for Solaris 10 update 13 and Solaris 11 update 3 versions.**

Known Issues

1. **On OCe14000-series adapters, firmware version 11.x.xxx.x and later include 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.x.xxx.x:

    - Use the ISO flash tool.
    - Use the released 11.x 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.x.xxx.x:

    - Use the ISO flash tool.
    - Use the released 11.x 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 may not start and the entire system may go into maintenance mode.**

    Workaround

    Disable FC/FCoE from the switch management interface until the system is rebooted, then re-enable ports.

    If a firmware download procedure does not require a reboot, the `fcinfo hba-port` command output displays the earlier value of the `FCode/BIOS Version` field. A firmware download procedure may or may not require a reboot (depending on the difference between the current and the new firmware versions). After the firmware is successfully downloaded, the utility indicates whether or not a reboot is required. If a reboot is not required to complete the procedure, then the `fcinfo hba-port` command output displays the earlier 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.

3. **Warning messages may be seen during firmware download.**

    If the new firmware takes effect without a reboot, the driver tries to reset the device. During the reset, several warning messages are displayed. These warning messages are expected and can be ignored. After the device is successfully reset, no further messages are displayed.

    Workaround

    None.

4. **Boot from SAN does not work on x86 systems with OCe14000-series FCoE adapters running Solaris 11.2 and later.**

    Workaround

    None.

5. **Firmware download using the `emlxadm` utility fails on OCe14000-series adapters, with a NIC driver.**
    Workaround

    Download the firmware using the OneCommand Manager application, or download thes firmware using the `emlxadm` utility on the FCoE function.