EMULEX®

Emulex Drivers for Solaris Release Notes

Versions: Emulex Drivers for Solaris
FC/FCoE emlxs version 10.2.267.0
NIC elxnic version 10.2.369.0
FCA Utilities version 10.2.267.0

Date: September 2014

Purpose and Contact Information

These release notes describe the new features, resolved issues, and known issues associated with this Emulex® driver for Solaris release. For the latest product documentation, go to www.Emulex.com.

If you have questions or require additional information, contact an authorized Emulex technical support representative at tech.support@emulex.com, 800-854-7112 (US/Canada toll free), +1 714-885-3402 (US/International), or +44 1189-772929 (Europe, Middle East, and Africa).

New Features

- Supports OCe14000-series adapters.
- Supports FC SR-IOV.

    Note: FC SR-IOV is only supported on Solaris SPARC with Oracle-branded LPe16202 adapters.

Resolved Issue

In the S10 guest domain (with the NIC driver), the command to unplumb the elxnic interface no longer freezes if there is an application using the Rx buffer.

Known Issues

1. **Firmware version 10.2.370.19 includes new features that required 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 10.2.370.19:

    - Use the ISO flash tool.
    - Use the released 10.2 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 10.2.370.19:

- Use the ISO flash tool.
- Use the released 10.2 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 S10 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.

3. **System panic can occur during boot with LightPulse™ LPe12004 adapters installed in SPARC Enterprise M5000 servers.**

   The PLX bridge sends corrupted training sequence (TS1) packets to the root complex (chip set) causing the link to go down. If the PCIe link is not established, no bus transactions occur and the link down causes the operating system to panic.

   Workaround

   None.

4. **On S10 s10x, panic occurs when running the dladm show-link command.**

   The error messages are displayed in the message log as follows:

   The first message:

   ```
   Jul 18 15:31:54  genunix: [ID 335743 kern.notice] BAD TRAP:

   type=e (#pf Page fault) rp=fffffe8002ef45b0 addr=e0 occurred in module
   "oce" due to a NULL pointer dereference
   ```

   Scroll down to find the next message:

   ```
   fffffe8002ef46b0 oce:oce_rqb_dtor+12 ()
   ```

   Workaround

   Update the driver with the most recent version.

Note: References to OCe11100 series products also apply to OCe11100R series products.