



No Solaris Reboot

QLogic Enables Zero Down-Time for Solaris Environments

Industry Challenge

To boot up a fully loaded Sun server platform can take from thirty minutes to hours. IT Administrators can not afford any down-time of their mission critical Sun Solaris™ platforms, particularly when adding storage capacity, reconfiguring the Fibre Channel Host Bus Adapters' (HBAs) parameters, or updating the HBA driver itself.

QLogic's QLA No-Reboot Solaris™ Driver

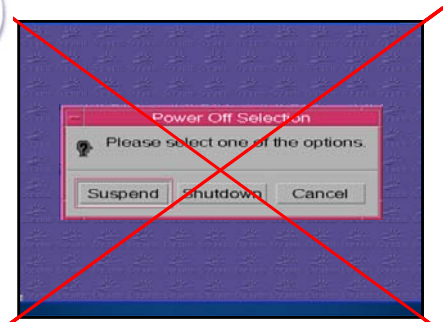
QLogic's QLA driver for Solaris™ (2.6, 7, 8, 9, and 10) support the following actions without the need to reboot:

- Dynamically update HBA parameters for persistent binding, Fibre Channel link speed, timeout value, and queue depth.
- Adding or deleting targets and/or Logical Unit Numbers (LUNs) associated to the HBA.
- Scanning and assigning freshly installed disks and tape resources.
- Updating the driver.

User Benefits:

Provides **Higher Reliability** by not requiring a reboot of a Solaris Operating System.

- Ensures higher availability for mission critical applications.
- Eliminates the risk of incompatibilities between hardware and software during reboot.
- Lower cost of ownership by eliminating scheduled maintenance to manage system reboots.



How QLogic's No-Reboot Driver Works

QLogic's FC CLI and FC HBA Manager provides the user an ability to dynamically bind new parameters, targets, and LUNs from the configuration file to the driver. Persistent binding is maintained on target ids to the actual targets without a need to reboot or modify the **sd.conf** file.

As new storage resources are added to the SAN, the QLA driver automatically detects the new devices and dynamically makes them available to Solaris without a reboot. User's can also update the driver to change the target id's of the new storage without a reboot.

When updating the QLA driver, the standard Solaris™ **pkgm** utility can be invoked to automatically release existing driver instances from system resource and memory.