Product Release Notes

Celerity 16Gb Fibre Channel Multipath Director™ Release v1.25MP - Linux

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the Celerity 16Gb Fibre Channel adapter product v1.25MP that was released on 9/25/2014. This information pertains to the Linux OS.

2. Changes

- *Version 1.25MP (Released 9/25/2014)*
  - **Note:** It is recommended that latest firmware available on ATTO website be utilized with this driver release.
  - **New Features**
    - Improved IO performance for transactional Linux SAN environments
    - Increased default queuing parameters form 128 to 512
    - Enhanced diagnostic capabilities with improved event logging
    - Added new display information for atmpinfo
    - Added support for atreset
    - Added support for device display in atinfo
    - Addressed an issue where IO to a LUN could be stalled
    - Set default so that active/non-optimized paths are activated for IO in the same manner as standby paths
    - Addressed a failover issue when the preferred path is removed
    - Reduced the time it takes to discovery newly added LUNs using the rescan paths button.
    - Resolved an issues where MultiPath Director was no longer available after reboot

- *Version 1.10MP (Released 2/06/2014)*
  - **Note:** It is recommended that latest firmware available on ATTO website be utilized with this driver release.
  - **New Features**
    - Corrected an issue with path discovery for paths that are deactivated immediately after being found.
    - Addressed an issue with deactivating paths that are disabled due to I/O errors.
    - Fixed an issue where discovery or failover of a path could be delayed by a transitioning asymmetric access state for a port group that did not apply to the path.
    - Resolved an issue where simultaneously reporting device changes on multiple HBA channels could result in the multipathed devices from being activated
    - Addressed an issue where path selection could prematurely fail an I/O when the last remaining path failed simultaneously
    - Corrected an issue where path rediscovery would not activate the path after the link down timeout previously expired
    - Paths that have a scan pending are considered retrying so I/O is suspended when no paths are active.
    - Feature added to allow path activations and deactivations during the link down timeout period to coordinate with other device events to prevent invalid path states.
    - Resolved a system hang on RedHat 5.9.

- Fixed a kernel panic on StorNext MDC during controller firmware update test.
- Addressed an issue where LUNs are not presented properly on SUSE 11 SP3.
- Fixed multiple problems when handling aborted commands.
- Corrected soft lockups reported during MP scans.

- *Version 1.01MP (Released 6/27/2013)*
  - **Note:** It is recommended that latest firmware available on ATTO website be utilized with this driver release.
  - **New Features**
    - Corrected Config Tool reporting error where the same LUN shows multiple times with MultiPath Director.
  - **Supported OS**
    - RHEL 5 & 6
    - SLES 11, 11 SP1, 11 SP2
    - Fedora 17, 18
    - openSUSE 12.2 & 12.3
    - CentOS 5, 6

- *Version 1.00MP (Released 12/21/2012)*
  - **Note:** It is recommended that latest firmware available on ATTO website be utilized with this driver release.
  - **New Features**
    - Initial release of Linux multipathing drivers for the Celerity 16Gb FC adapters.
  - **Supported OS**
    - RHEL 6
    - SLES 11, 11 SP1, 11 SP2
    - Fedora 14, 15
    - openSUSE 11
    - CentOS 5, 6

3. Known Issues/Advisements

- If the card is placed in certain slots of an Intel Grosse Point machine, the system may not boot.
- Multiple direct connections to a Xyratex drive array does not work.
- The system will not boot if the card is placed in an MSI 277A-GD80 motherboard and the System BIOS PCI ROM Priority is set for EFI Compatible ROM. The System BIOS is trying to run both the EFI and Legacy BIOS at the same time. To work around this issue, set the System BIOS PCI ROM Priority setting to Legacy ROM.

4. Affected Products

Product Name	SKU
Celerity FC 161E	CTFC-161E-000
Celerity FC 162E	CTFC-162E-000
Celerity FC 164E	CTFC-164E-000

5. Contacting ATTO Support

ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 6:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: techsupport@attotech.com