HP Array Configuration Utility – Command Line Interface (ACU-CLI)
for Linux on Itanium-based Systems

Support Notes

Description
This document provides support notes for the HP Array Configuration Utility – Command Line Interface (ACU-CLI) for Linux on Itanium-based systems. ACU-CLI is an online tool that can be used to manage and configure Smart Array-based storage controllers. ACU-CLI is an interactive command console that provides immediate feedback to the user, and is functionally equivalent to the ACU GUI.

The executable for the CLI is available from the following HP website as part of the HP Enablement Kit for Linux on Integrity Servers (LEK) Version 2.0 Management CD package: http://www.hp.com/go/integritylinux

Version Information
Current version: 7.47.1.0 (4 Nov 2005)

Supported Operating Environments
This is the initial release of the ACU-CLI for Linux on Itanium-based systems. The following configurations are supported:

Storage controller – HP Smart Array 6402 (A9890A)

Servers:
- hp server rx1620
- hp server rx2620
- hp server rx4640
- hp server rx7620
- hp server rx8620
- hp server Superdome

Operating systems:
- Red Hat Enterprise Linux 3
- Red Hat Enterprise Linux 4
- SuSE Linux Enterprise Server 9

Storage devices:
- MSA30SB
- MSA30DB
Storage controller – HP Smart Array P600 (SAS RAID)

Servers:
- hp server rx1620
- hp server rx2620
- hp server rx4640
- hp server rx7620
- hp server rx8620

Operating systems:
- Red Hat Enterprise Linux 4 (Update 2 or later)
- SuSE Linux Enterprise Server 9 (Service pack 3 or later)

Storage devices:
- MSA50 (1U 10 drive SAS storage enclosure)

2Gb Fibre Channel Host Bus Adapters – A6826A / A7538A

Servers:
- hp server rx1620
- hp server rx2620
- hp server rx4640
- hp server rx7620
- hp server rx8620
- hp server Superdome

Operating systems:
- Red Hat Enterprise Linux 3
- Red Hat Enterprise Linux 4
- SuSE Linux Enterprise Server 9

Storage devices:
- MSA1000
- MSA1500

Availability
- [ ] This software is made available on the web only
- [ ] This software is made available on the web and on factory preloaded software
- [X] This software is made available on the web and on CD’s shipped with the product
- [ ] This software is made available on the web, in factory-preloaded software, and on CDs shipped with the product.
- [ ] I/O cards: on rebuilt cards
Upgrade Recommendation

[ ] Critical
[ ] Panic, [ ] Hang, [ ] Abort, [ ] Corruption,
[ ] Memory Leak, [ ] Other _______________
[ ] Hardware Enablement, [ ] Software Enablement

[ ] Required
[ ] Recommended
[ ] Optional
[ ] Hardware Enablement, [x] Software Enablement,
[ ] non-critical

[x] Initial Customer Release

Known Issues and Limitations

1. **Rebuild issue when Smart Array 6402 controller is installed in an rx4640 connected to internal drives.**
   ACU-CLI should perform a rescan of the SCSI bus as a result of running "rescan" or "pd show all" commands. This in turn should initiate a rebuild of an array after replacement of a failed drive. The rebuild does not take place as a result of running these commands with the released version.

   **Workaround:** Customer can initiate a rescan by exiting and then rerunning ACU CLI, or by rebooting the system.

2. **CCISSL interface/driver reports inaccurate information on logical volumes.**
   Under some circumstances, the CCISSL driver can show devices that haven’t actually been created. When this happens, a number of different devices are reported to the OS, but there is actually only one logical volume.

   **Workaround:** Customers should reboot the system after creating a new logical volume.

3. **OS fails to recognize configuration changes.**
   When existing volumes are modified or deleted, or when new volumes are created using ACU-CLI, the operating system will not always be aware of the changes unless the system is rebooted.

   **Workaround:** Customers should reboot the system after making changes to existing volumes.

4. **Using ACU-CLI from two clients at the same time will result in warning messages upon exiting from one of the clients.**

   **Workaround:** Use only one instance of ACU-CLI at a time.

5. **Unexpected LED behavior under some circumstances.**
   All LEDs will go “off” if customer performs the following steps:

   ACUCLI> modify led=on
   ACUCLI> pd xxx modify led=off

   **Workaround:** There is no workaround. This will be fixed in a future release.
**System Requirements and Dependencies**

ACU-CLI requires HP Management Base to be installed on the system. HP Management Base is a package of tools, scripts, and binaries that ensure proper system manageability functionality by providing access to the management processor via the Open IPMI driver.

HP management base packages are distribution specific. They can normally be found on the HP Enablement Kit for Integrity Linux Supplemental CD. Go to hp.com and search for your particular server under download drivers & software.

**Installation Instructions**

ACU-CLI should be installed using Redhat Package Manager.

**Customer Feedback**

If you would like to provide feedback regarding any part of the download experience please send an email to: rick.bieber@hp.com