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SRCSAS18E with SAS 1.0 Software Stack Errata list

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Document Purpose

This document lists known errata for the SRCAS18E RAID Controller running SAS Software Stack 1.0 and is provided pursuant to test reports for the SRCAS18E RAID Controller. The SAS Software stack 1.0 includes the following firmware, driver, and utility versions:

- Firmware version 1.00.00-0074
- Microsoft* Windows* Driver Version 1.17.0
- Linux driver version 2.03-1
- RAID Web Console 2 version 1.11-00

1. BIOS Console hang if LSI brand and Intel brand adapters are in same system

Impact: Will only be seen when an Intel SAS based RAID adapter or ROMB solution is in the system with an LSI based RAID solution.

Guideline: Install and configure the RAID adapter that will hold the OS prior to installing the second adapter.

Status: Resolved in SAS 1.02 release.

2. Unable to import good foreign config if a bad foreign config is also present

Impact: Some utilities will not import a good foreign config if a bad foreign config is also detected.

Guideline: User will need to correct or remove the bad array prior to attempting to import of good array.

Status: Resolved in SAS 1.02.

3. Hang when 2nd controller is added into system

Impact: Systems with Windows operating system may rarely hang when the driver initializes the second controller.

Guideline: Re-install the RAID driver so that the controller is redetected, then add second controller.

Status: Resolved in SAS 1.02

4. Drives do not show up when attached to 2nd SAS expander off same quad port

Impact: If 2 active backplanes are connected to same quad port, the drives that are attached to the 2nd backplane are not visible to use for RAID configurations.

Guideline: Since Parowan has 2 internal quad ports (SFF8484 cable connectors), users should connect one backplane to the first quad port and the second backplane to the other quad port.

Status: Resolved in SAS 1.02 release

5. In BIOS Console <Shift> <Tab> will loose the cursor

Impact: In the BIOS Console, Tab and Shift-tab can used when a mouse is not available to move the cursor. Pressing Shift-Tab to move the cursor in reverse order causes the cursor to go up into the title bar, where the cursor is lost.

Guideline: In the absence of a mouse, customers should use only the tab key to move the cursor.

Status: Will be resolved in SAS 1.1 release

6. Patrol Read does not check or correct media error in un-configured areas of the drive space or in the Configuration On Disk (COD) area

Impact: Media errors in reserved sections or un-configured (unused) portions of disks are not checked and resolved during a patrol read.

Guideline: No user intervention is required, these areas are checked during logical drive initialization, disk drive and logical drive error mechanisms will discover media errors, mark the areas bad, and redirect data to other areas of the disk.

Status: Will be resolved in SAS 1.1 release.

7. A full initialization interrupted by a reboot does restart the intialization

Impact: When a full initialization is in process being performed on a virtual disk and the system is rebooted prior to completion, the disk is not marked as inconsistent and a background initialization does not start after the system becomes ready.

Guideline: The customer can restart the full initialization (always destructive) or perform a consistency check (non-destructive).

Status: Will be resolved in SAS 1.1 release.

8. Operating System hangs when deleting a Logical Drive with reconstruction running on a different array

Impact: While reconstruction is running on a logical drive and the user attempts to delete a logical drive on a second array, the operating system will hang.

Guideline: If a reconstruction is in process, allow the reconstruction to complete before attempting to delete a logical drive.

Status: Will be resolved in SAS 1.1 release.

9. Drive Offline does not map to SAF-TE LED fault indication

Impact: When a physical disk enters the Offline state, no indication is given to the SAF-TE enclosure processor. The RAID firmware does not currently map the Offline state of the physical disk to an LED. Failed state does light though.

Guideline: “Offline” is a new drive state for SAS. The LED lights up correctly for SES2 enclosure processors, but for SAF-TE enclosure processors, the LED does not light. If a drive is set to the “Failed” state, the fault LED does light.

Status: Will be resolved in SAS 1.1 release.

10. MSM Logical-Properties Media Error Count Reset to 0 Upon Reboot

Impact: When the system is rebooted, the media error counts in MSM Logical-Properties is cleared (set to 0).

Guideline: Media errors will not be correctly accounted for in logical drive properties.

Status: Will be resolved SAS 1.2 release.

11. Reboot Required to Clear Data Following a Full Logical Drive Initialization

Impact: A full initialization operation does not clear the data from a logical drive until after a system reboot is performed. A background initialization is not affected by this issue.

Guideline: This is only issue if full initialization is done from the OS utility. Use background initialization for full functionality without a reboot.

Status: Will be resolved SAS 1.1 release.

12. MSM popup fails to start during installation on SLES 9

Impact: Popup does not auto-start, but user can manually start or add it to a startup script. This issue does not affect other Linux versions.

Guideline: User must start manually or add to startup script.

Status: Will be resolved SAS 1.1 release.

13. When Using SAF-TE over i2c, the amber LED does not turn off after a hotspare rebuild completes

Impact: Fault LED does not turn off after array has been restored.

Guideline: Reboot required to clear the fault LED.

Status: Will be resolved SAS 1.1 release.

14. Uninstallation or Modification of MSM results in " javaw.exe - Application Error "

Impact: On Modification of a complete installation to a standalone installation or uninstalling of the MSM or RWC2 application encounters the Error.

Guideline: Reinstalling the utility will clear the error.

Status: Will be resolved SAS 1.1 release