



VTrak[®] E5000 Series

E5000 PR1 Release Notes

FW 11.01.0000.04

1. Release Summary

VTrak firmware version 11.01.0000.04 is a point release update to the FCS Release. It is designed for Windows, Mac and Linux environments.

The 11.01.0000.04 Release contains the following fixes:

Ref #	Description
229640	Remapped dualcast settings in DMA PCI root port such that the buffer used by LUN Clone is not in dualcast range.
229693 229819	Added a new flag for SW XOR Engine to generate P+Q parity only. RaidCore sends this flag to XOR engine when P+Q parity needs to be generated.
229699	Fixed a condition in rebuild of multiple LUNs in an array, which may cause the controller to fail when the array is deleted.
229857	Corrected the Voltage threshold in RAID Expander FW
229957	Corrected the SAS 6G PHY parameter setting in RAID Expander FW
230022	Corrected the E5000 Controller activity LED handle rules to get the same behavior as the J5000 enclosure
229800	Fixed incorrect ID in management port up RT event after power up
230027	Fixed "get OPAS" or "flash OPAS firmware image" application problem when the request is from the secondary controller
228890 229362 229162 229165 229382 229951 229956 229955	Fixed minor issues in GUI (add tool tip, correct typo, add/remove message)
229553 229650 229678	Now display complete fields in Controller and Lunmap table that display for MIB Browser
229705	Fixed Date and Time setup issue in GUI
229816	Disabled "Ping" option in GUI FC management screen when the connected topology is P2P
229858	Fixed wrong "Configured link speed" option in FC port settings in GUI FC management screen
229883 229890 229946 229947	Fixed wrong LUN clone setting and display in GUI
229868	Fixed "Maintenance Mode" setting not working in the GUI

230265	Fixed wrong Temperature warning display in Dashboard sometimes
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This document is applicable to the following **PROMISE VTrak E5000 series models:**

Model	Description
E5800fD	4U/24 FC, Dual controller
E5800fS	4U/24 FC, Single controller
E5600fD	3U/16 FC, Dual controller
E5600fS	3U/16 FC, Single controller
E5300fD	2U/12 FC, Dual controller
E5300fS	2U/12 FC, Single controller
E5320fD	2U/24 FC, Dual controller, 2.5" Drive Bays
E5320fS	2U/24 FC, Single controller, 2.5" Drive Bays

This Release supports the **E5000 as a Node in a Promise A-Class Network File System High Availability Cluster**. Any of the following A-Class Enclosures and the G1100 NAS Gateway can be used. **A-Class Firmware 1.16.0000.00 or later required for full support.** (Available October 2016)

Model	Description
A3800fDM	4U/24 FC, Dual controller
A3800fSL	4U/24 FC, Single controller
A3600fDM	3U/16 FC, Dual controller
G1100	NAS Gateway

The supported Expansion subsystems include:

Vendor	Platform	Description
Promise	VTrak J5320s	2U/24-bay JBOD, 12Gbs SAS to 12Gbs SAS (or 6Gbs SAS/SATA), 2.5" Drive Bays
	VTrak J5300s	2U/12 JBOD, 12Gbs SAS to 12Gbs SAS (or 6Gbs SAS/SATA)
	VTrak J5600s	3U/16 JBOD, 12Gbs SAS to 12Gbs SAS (or 6Gbs SAS/SATA)
	VTrak J5800s	4U/24 JBOD, 12Gbs SAS to 12Gbs SAS (or 6Gbs SAS/SATA)



Vendor	Platform	Description
Promise	VTrak J630s	3U/16-bay JBOD, 6Gbs SAS to 6Gbs SAS/SATA
	VTrak J830s	4U/24-bay JBOD, 6Gbs SAS to 6Gbs SAS/SATA
	VTrak J930s	4U/60-bay JBOD, 6Gbs SAS to 6Gbs SAS

2. Errata and known issues

Ref #	Description	Workaround/Solution
229102	Mac users with a 16Gb Sanlink2 may face I/O failure when there is a configuration with a Switch and Sanlink2 and a Controller port fail-over. With high I/O, it is possible that one of the controllers could go into an inaccessible state.	Power cycle the Sanlink2 and then resume IO once FC connection and all RAID LDs are detected by Mac.
	If both Emulex 16GB HBA LPe16002B-M6 HBA and any make/ model of CISCO switch are set to "Loop" topology, the users will face incompatibility issue such as unable to negotiate through loop topology.	The Topology should be set to P2P, N_port or Auto on the switch and the HBA.
229219	In E5000 GUI, If both "NTP service" & "Disable the Day light saving time" options are exercised simultaneously, Users will not be able to make either of the options work.	Users can use "NTP service" & "Disable the Day light saving time" sequentially one after another.
229338	In E5000 GUI, when SSL/TLS is enabled, Users will not be able to send mail using port nos. 456 & 587.	SMTP server works only on port 465 with SSL/TLS enabled.
229619	In E5000 GUI, User may see an error message such as "Cannot connect to webserver", if the browser is kept idle for longer time (> 20 mins)	Refresh the browser to connect it again to E5000 GUI
228912	In E5000 GUI, users will not be able to see any JBOD related information under "Dashboard->Storage overview" screen.	User can alternatively get the JBOD related details from "Administration->Subsystem information" screen.
226688	FPNG command fail on Fabric mode with CISCO MDS 9148S switch	Cisco reports that the MDS 9148 series does not support the FPING,



Ref #	Description	Workaround/Solution
	The FC ping command in CLI from any target port to any initiator port thru the CISCO MDS 9148S switch fails.	they have initiated a request to add that support in MDS9148 series. Do not send FC ping command when connected FC switch is CISCO MDS 9148S
	For SSDs: The mixing of SAS and SATA SSD drives in the same array is not supported	Don't configure Arrays with a mixture of SAS and SATA SSD's.
	Mixing Trim supporting SSDs and Non-TRIM supporting SSDs in the same array is not supported.	Don't configure Arrays with a mixture of SSD drives that support TRIM with drives that don't support Trim. A drive that does not support TRIM will be displayed as a regular HDD in the GUI.
227932	After removing a Spare drive and reinserting it, or inserting a new drive in any slot, the drive may not be seen or be marked as "not useable". Rebooting the Controller fixes this.	Users who wish to remove a spare should delete the spare and then remove it. If a newly inserted drive is not useable because this procedure wasn't followed, then rebooting the controller may fix this issue.
221229	In MAC OS X, if LD0 is mapped to a NON ZERO LMM entry AND if the Capacity is expanded (migration), the new capacity is not reported in Mac OS x without a reboot of the OS X Host	Reboot the OS X host in such an instance following a Capacity Expansion.

3. Contacting Technical Support

PROMISE Support Website at http://www.promise.com/support/support_eng.asp

PROMISE E-mail Support at <http://support.promise.com/>

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