VTrak A-Class Compatibility List

Supports Initial Product Release 1.08.0000.00
Date of Release: 03/25/2014

VTrak A-Class Systems Covered:
- **VTrak A3800fSL** – 4U/24 FC, single controller
- **VTrak A3800fDM** – 4U/24 FC, dual controller

VTrak Storage Nodes covered:
- **VTrak E630f** – 3U/16-bay 8Gb Fibre to 6Gbs SAS/SATA RAID System
- **VTrak E830f** – 4U/24-bay 8Gbs Fibre to 6Gbs SAS/SATA RAID System

VTrak Expansion Systems covered
- **VTrak J630s** – 3U/16-bay 6Gbs SAS to 6Gbs SAS/SATA Expansion JBOD System
- **VTrak J830s** – 4U/24-bay 6Gbs SAS to 6Gbs SAS/SATA Expansion JBOD System
- **VTrak J930s** – 4U/60-bay 6Gbs SAS to 6Gbs SAS Expansion JBOD System

System Versions Covered:
- **VTrak A-Class BootLoader** – Version 0.19.0000.36 [March 24, 2014]
- **VTrak A-Class Firmware** - Version 1.08.0000.00 [March 24, 2014]
- **VTrak A-Class Software** - Version 1.08.0000.00 [March 24, 2014]
- **VTrak Ex30 BootLoader** – Version 0.19.0000.35 [Sept 25, 2013]
- **VTrak Ex30 Firmware** – Version 4.10.0000.09 [Sept 25, 2013]
  – Version 10.13.2270.09 [Sept 25, 2013]
- **VTrak Ex30 Software** – Version 4.10.0000.09 [May 23, 2013]
  – Version 10.13.2270.09 [May 23, 2013]
- **6Gbs VTrak Jx30s Firmware** – Version 6.14.0000.02 [March 24, 2014]
- **6Gbs J930 Firmware** – Version 5.06.0000.09 [June 01, 2012]
- **Windows PerfectPath MPIO DSM** – Version 4.01.0000.02

VTrak A-Class SR1 Compatibility List v1.1

Document History

Date	Editor	Revision	Deviation
03/25/2014	R Thomas	1.0	1. Initial draft for VTrak A-Class SR1 Compatibility
3/28/2014	Richard Hutchens	1.1	2. Corrected hard drive list

DEVICE COMPATIBILITY NOTE:
Basic compatibility between the 3rd party device and Promise device has been verified in typical configurations, unless otherwise stated.

DISCLAIMERS:
Only the versions available at time of testing have been verified, as listed. Corner cases may exist depending on user configuration etc. Individual 3rd party units may exhibit problems that did not show up in through the Promise test process. Published performance is not assured with configuration deviations.

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Operating Systems

Supported Operating Environments			
Vendor	**Core Platform**	**Type**	**Notes**
Microsoft	Windows Server 2008 R2	x64	ALUA support with PerfectPath v4.1.0.02 or later
	Windows Server 2008 R2 SP1	x64	ALUA support with PerfectPath v4.1.0.02 or later
	Windows 7	X64	ALUA support with VTrakFS Client 1.1.0 or later
	Windows 7 SP1	X64	ALUA support with VTrakFS Client 1.1.0 or later
	Windows 8	X64	ALUA support with VTrakFS Client 1.1.0 or later
	Windows 8 SP 1	X64	ALUA support with VTrakFS Client 1.1.0 or later
	Windows Server 2012*	x64	ALUA support with PerfectPath v4.1.0.02 or later
Macintosh	OS X 10.7	x64	LUN Affinity/ALUA natively supported.
	OS X 10.8	x64	LUN Affinity/ALUA natively supported.
	OS X 10.9	x64	LUN Affinity/ALUA natively supported.

*Fully Supported but not HCK certified

Fibre Channel Host Bus Adapters

Vendor	Model	BIOS	Firmware	Fcode	Windows	Macintosh
Brocade	FC425	v3.2.1.0	v3.2.1.0		v3.2.1.0	NA
	FC825	v3.2.1.0	v3.2.1.0		v3.2.1.0	NA
Emulex*	LightPulse LPe12000	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe12002	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe12004	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe1250	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe11000	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe11002	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe11004	2.12a11	2.01a11	3.10a6	2.74.014	NA
	LightPulse LPe1150	2.12a11	2.01a11	3.10a6	2.74.014	NA
LSI*	LSI7204EP	2.02.06	1.03.27	1.00.49	1.27.01	NA
	LSI7404EP	2.02.06	1.03.27	1.00.49	1.27.01	NA
ATTO	Celerity FC84EN	3.25	3.25		1.60	2.25
	Celerity FC82EN	3.25	3.25		1.60	2.25
	Celerity FC42ES	3.25	3.25		1.60	2.25
Promise SANLink			22.4		NA	22.4

*No support for Windows 7, Windows 8
**Only for Windows 2008 R2/2008 R2 SP1

Fibre Channel Switches and SFPs

Fibre Channel Switches			
Vendor	**Model**	**Ports**	**Firmware**
Brocade	Brocade 300**	24x8Gb	V7.0.2a
	Brocade 5100	40x8Gb	V7.0.2a
	Brocade 8000	24x10Gb FCoE 8x8Gb FC	V7.0.2a
Cisco	MDS 9148	48x8Gb	v5.2
	MDS 9124*	24x8Gb	v5.2
	NEXUS 5010	20x10Gb FCoE/iSCSI 6x8Gb FC	v4.1(3)N2(1)
Qlogic	SANbox 5802V	20x8Gb	v8.0.13.08.00
	SANbox 9000 - 8Gb blade	32-128x8Gb	v7.8.0.15.00

*Model MDS 9124 compatibility is derived from MDS 9148 testing with v5.2
** Leave the Brocade 300 speed set to "Auto" when the topology is set to "L- Port". Set the Target side speed to match either 4G or 8G if the topology is set to "NL-Port".

SFP Interoperability Matrix (Shortwave)		
Vendor	**Model**	**Description**
Apple	4Gb SFP to SFP	2.9M 4Gb SFP Copper Cable (Qlogic 4Gb and 8Gb only)
Avago	AFBR-57D7APZ	Digital Diagnostic SFP, 850 nm, 8.5/4.25/2.125 GBd Low Voltage (3.3 V) - 85°C
Brocade	57-1000012-01	Brocade 8Gb Shortwave SFP
Cisco	DS-SFP-FC8G-SW	Cisco 8Gb Shortwave SFP
Finisar	FTLF8528P2BCV	Digital Diagnostic SFP, 850 nm, 8.5/4.25/2.125 GBd Low Voltage (3.3 V) - 70°C
Finisar	FTLF8528P2BNV	Digital Diagnostic SFP, 850 nm, 8.5/4.25/2.125 GBd Low Voltage (3.3 V) - 85°C
Finisar	FTLF8524P2BNL	Digital Diagnostic SFP, 850 nm, 4.25/2.125 GBd Low Voltage (3.3 V) - 70°C
Finisar	FTLF8524P2BNV	Digital Diagnostic SFP, 850 nm, 4.25/2.125 GBd Low Voltage (3.3 V) - 85°C

Hard Disk Drives

SAS Drives

VTrak Aclass Hard Drive Compatibility List							
Vendor	Family	Model	Part Number	Firmware	Capacity	RPM	Interface
Hitachi	Ultrastar 7K4000 A/V qualified	HUS724040ALS640	HIT0B26885	A1C4	4000GB	7,200	6Gb/s SAS
		HUS724030ALS640	HIT0B26886	A1C4	3000GB	7,200	6Gb/s SAS
		HUS724020ALS640	HIT0B26887	A1C4	2000GB	7,200	6Gb/s SAS
Western Digital	WD RE SAS A/V qualified	WD4001FYYG	WD4001FYYG-01SL3W0	VR07	4000GB	7,200	6Gb/s SAS
		WD3001FYYG	WD3001FYYG-01SL3W0	VR07	3000GB	7,200	6Gb/s SAS
		WD3001FYYG	WD2001FYYG-01SL3W0	VR07	2000GB	7,200	6Gb/s SAS
		WD3001FYYG	WD1001FYYG-01SL3W0	VR07	1000GB	7,200	6Gb/s SAS
Toshiba	Harrier A/V qualified	MG03SCA400	MG03SCA400	108	4000GB	7,200	6Gb/s SAS
		MG03SCA300	MG03SCA300	108	3000GB	7,200	6Gb/s SAS
		MG03SCA200	MG03SCA200	108	2000GB	7,200	6Gb/s SAS
		MG03SCA100	MG03SCA100	108	1000GB	7,200	6Gb/s SAS

This list only indicated drives supported on the VTrak A-Class. For the list of supported drives on Storage Nodes attached to VTrak A-Class, please refer to the latest E-Class Compatibility List.

Promise qualified drives will be the only supported drives for the VTrak A-Class systems. The support requirements will be derived from the drive part numbers listed above and not necessarily by the model number. Using unqualified disk drives with the system may appear to work but cannot be guaranteed for the service life.

Promise Validated Browsers for VTrak A-Class

Validated Web Browsers for Ex30 WebPAM PROe	
Product	Version
Internet Explorer	8.0.7601.17514 , 9.0.8112.16421
Safari for Mac	7.0
Safari for Windows	5.1
Mozilla Firefox for Windows	27.0
Mozilla Firefox for RHEL	27.0
Mozilla Firefox for SLES 11.1	27.0

UPS Appliances

UPS Support*	HW Rev.	APC OS	APP. Module SW
§APC Smart-UPS 1500VA - North America	667.18.D	v3.6.1	v3.5.8
§APC Smart-UPS 2200VA - North America	667.18.D	v3.6.1	v3.5.8
§APC Smart-UPS 3000VA - North America	667.18.D	v3.6.1	v3.5.8

*Tested with Ex30 Initial Release

USB Flash Drives (OPAS Service Port)

Vendor**	Family	MFG Part Number	Capacity
HP	v125w	P-FD4GBHP125-EF	4GB
Pretec	i-Disk	Q3U04G	4GB

♠ End of Report ♠