

# HP Data Agile **BURA** Compatibility Matrix **BackUp Recovery & Archive**

*Formerly "HP Enterprise BURA Solutions (EBS) Compatibility Matrix BackUp Recovery & Archive"*

## **Compatibility for:**

HP StoreOnce Backup Products  
HP StoreAll Storage Products  
HP StoreEver Tape Products

**August 2014** version 2

## **Key Updates:**

- Added Support for Acronis Backup Advanced with StoreOnce
- New StoreOnce System Software 3.11.1
- New Firmware for StoreEver ESL G3, MSL6480, & LTO Tape Drives
- Added Support for ATTO ThunderLink SH 1068 with StoreOpen

The HP Data Agile BURA Compatibility Matrix provides information for designing data protection solutions, including backup/restore and archiving, that scale from entry-level workgroups to enterprise-level data centers. It includes support for Direct Attach Storage (DAS), and Storage Area Network (SAN). It does not imply product availability.

Updates/changes to individual fields within the Matrix will be highlighted in **RED**. Products highlighted in **YELLOW** will be removed from the Data Agile Compatibility Matrix in the next release. Previous versions of the EBS Compatibility Matrix are available on the web at:

<http://www.hp.com/go/ebs>

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### IMPORTANT USAGE NOTES:

1. Please consult the ISV / IHV product compatibility guide(s) for additional support details such as product version information, driver details, firmware revisions, patch levels, etc.
  2. Due to differences in support, it is highly recommended that you verify which servers and OS's are supported by your HBA or controller by referring to the QuickSpecs at: <http://h18004.www1.hp.com/products/servers/platforms/s>
  3. HP Recommends storage platforms should always run active firmware and software versions. Systems running inactive firmware or software versions face an increased risk from exposure to known (and unknown) issues. If a system running inactive firmware or software encounters an issue, HP Services will work with you to upgrade to an active version.
  4. Additional technical information, guidelines and rules can be found in the Enterprise Backup Solution Design Guide and various Backup Application Implementation Guides located on the web at:  
[www.hp.com/go/ebs](http://www.hp.com/go/ebs)
  5. For StoreEver and StoreOnce VTL backup this Matrix only shows compatibility for FC SAN media servers. A FC SAN media server is defined as a server with direct access to backup devices. Other operating systems may be supported within Data Agile Matrix by the respective ISVs as LAN clients, where a LAN client does not have direct access to the backup device but is backed up over a LAN connection to a server with direct access to backup devices.
  6. For information on stand-alone tape products and compatibility, go to:  
<http://spock.corp.hp.com/spock/>
  7. Receive support alerts (such as Customer Advisories), driver updates, software, firmware, and customer replaceable components, in your e-mail through HP Subscriber's Choice. Sign up for Subscriber's Choice Driver, Patch, Security, and Support alerts at:  
<http://www.hp.com/go/myadvisory>
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# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## Sample Page Layout

### HP StoreOnce and StoreEver Enterprise Backup Solutions (EBS) Hardware/Software Compatibility Matrix

**IMPORTANT:** Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See [page 11 & 12](#) for links to partner websites.

#### Windows (x64/x86)

Direct Attached and SAN Support		Version
<b>Operating Systems</b>		
Windows Server 2012 x64 (Windows Storage Server 2012) <sup>1</sup>		✓
Windows Server 2008 R2 x64 (Windows Storage Server 2008 R2) <sup>2</sup>		sp1
Windows Server 2008 x64 / x86		sp2
<b>Servers</b>		
HP ProLiant & BladeSystem c-Class		✓
Third Party		✓
<b>10GbE Converged Network Adapters (HP Branded)</b>		
CN1000E (AW520A) (PCI-e)		iSCSI support only
CN1000Q (BS688A) (PCI-e)		
FW		4.2.11
WS 2012 / 2008 FC StorPort Driver		9.1.10.18
WS 2012 / 2008 NIC Driver		4.7.10.1023
WS 2012 / 2008 iSCSI StorPort Driver		2.1.5.36
CN1100E (BK835A) (PCI-e) / 554FLR (FlexibleLOM, 629142-B21)		
FW		4.2.401.2215
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
WS 2012 / 2008 NIC Driver		4.2.390.6
WS 2012 / 2008 iSCSI StorPort Driver		4.2.281.0
<b>10GbE HP BladeSystem Converged Network Adapters (HP Branded)</b>		
NC551m (580151-B21) & NC551i (PCI-e)		iSCSI support only
NC553m (613431-B21) / NC553i / 554M (647590-B21) / 554FLB (647586-B21) (PCI-e)		
FW		4.2.401.2215
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
WS 2012 / 2008 NIC Driver		4.2.390.6
WS 2012 / 2008 iSCSI StorPort Driver		4.2.281.0
<b>4Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)</b>		
SN1000Q (QW971A/QW972A) (PCI-e)		
FW		6.2.00
WS 2012 / 2008 FC StorPort Driver		9.1.10.27
SN1000E (QR13A/QR559A) (PCI-e)		
FW		1.1.21.8
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
<b>8Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)</b>		
81Q (AK344A) / QLogic QLE2560 & 82Q (AJ764A) / QLogic QLE2562 (PCI-e)		
FW		Loaded by the Driver
WS 2012 / 2008 FC StorPort Driver		9.1.10.27
81E (AJ762A/B) / Emulex LPe12000 & 82E (AJ760A/B) / Emulex LPe12002 (PCI-e)		
FW		2.01a4
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
81B (AP768A/B) / Brocade 815 & 82B (AP770A/B) / Brocade 825 (PCI-e)		
FW		3.1.0.0
WS 2012 / 2008 FC StorPort Driver		3.1.0.0 (OOB)
<b>8Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters</b>		
QMH2572 (651281-B21) / QMH2562 (451871-B21) (PCI-e) for HP BladeSystem c-Class		
FW		Loaded by the Driver
WS 2012 / 2008 FC StorPort Driver		
LPe1205A (659818-B21) / LPe1205 (456972-B21) (PCI-e) for HP BladeSystem c-Class		
FW		2.01a4
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
804 (590647-B21) (PCI-e) for HP BladeSystem c-Class		
FW		3.1.0.0
WS 2012 / 2008 FC StorPort Driver		3.1.0.0 (OOB)

#### Windows (x64/x86)

Direct Attached and SAN Support		Version
<b>4Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)</b>		
FC2142SR (A8002A/B) / Emulex LPe1150 & FC2242SR (A8003A/B) / Emulex LPe11002 (PCI-e)		
FW		2.82v4
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
FC1142SR (AE311A) / QLogic QLE2460 & FC1242SR (AE312A) / QLogic QLE2462 (PCI-e)		
FW		Loaded by the Driver
WS 2012 / 2008 FC StorPort Driver		9.1.10.27
41B (AP767A/B) / Brocade 415 & 42B (AP768A/B) / Brocade 425 (PCI-e)		
FW		3.1.0.0
WS 2012 / 2008 FC StorPort Driver		3.1.0.0 (OOB)
FC2143 (AD167A) / Emulex LP1150 & FC2243 (AD168A) / Emulex LP11002 (PCI-X 2.0)		
FW		2.82v4
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
FC1143 (AB429A) / QLogic QLA2460 & FC1243 (AE369A) / QLogic QLA2462 (PCI-X 2.0)		
FW		Loaded by the Driver
WS 2012 / 2008 FC StorPort Driver		9.1.10.27
<b>4Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters</b>		
LPe1105 (403621-B21) (PCI-e) for HP BladeSystem c-Class		
FW		2.82v4
WS 2012 / 2008 FC StorPort Driver		2.74.009.001
QMH2462 (403619-B21) (PCI-e) for HP BladeSystem c-Class		
FW		Loaded by the Driver
WS 2012 / 2008 FC StorPort Driver		9.1.10.27
<b>SAS Host Bus Adapters and Controllers</b>		
P721m (6Gb, PCI-e) for BL Gen5 servers only		✓
P222, P420 <sup>3</sup> , P421, P622, H220, H221, H222 (6Gb, PCI-e)		✓
P212, P410 <sup>3</sup> , P411, P711m, P712m, P812 (6Gb, PCI-e)		✓
P700m, P900, SC44Ge (3Gb, PCI-e)		✓
<b>SAS - Third Party HBAs and Integrated Controllers</b>		
LSI 9212-4i4e (6Gb, PCI-e) <sup>4</sup>		✓
<b>SCSI Host Bus Adapters and Controllers<sup>5</sup></b>		
AH627A (HP U320e, Ultra320, PCI-e, 2 channel)		✓
412911-B21 (HP SC11Xe, Ultra320, PCI-e, 1 channel)		✓
374654-B21 (Ultra320, PCI-X, 1 channel)		✓
<b>SCSI - Third Party HBAs and Integrated Controllers<sup>6</sup></b>		
Adaptec 29320ALP-R (Ultra320, PCI-X, 1 channel)		✓
ATTO Express PCI UL4D (Ultra320, PCI-X, 2 channel)		✓
ATTO Express PCI UL5D (Ultra320, PCI-e, 2 channel)		✓

#### NOTES

- 1) Supports HP StoreEasy 5530, 3830, 1830, 1630, 1530, 1430, Messaging Systems E5300, E5500, E5700
- 2) Supports HP Network Storage Systems X5520 G2, X3800sb G2 1, X3800 G2, X3400 G2, X3000 G2, X1800 G2, X1600sb G2 1, X1600 G2, X1500 G2, X1400 G2
- 3) Third Party adapters require HP drivers and firmware.
- 4) Third Party adapters require HP drivers and firmware.
- 5) SAS Expander card 468406-B21 is required to connect external tape.
- 6) Recommended for use with HP workstations and third party servers.
- 7) Third party servers supported with HP-branded adapters only.
- 8) Third Party SCSI HBA support is for HP servers only.

Red indicates a changes from last month

NOTES: section contains specific configuration details

Darkened section indicates environment is not supported in this configuration

Link to Instructions

Matrix Version

August 2013, v2

Refer to "How to Use This Document" on pg. 3.

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### **This section includes the following:**

- ✓ StoreOnce System Software
- ✓ StoreOnce Application Support - VTL
- ✓ StoreOnce Application Support - CIFS
- ✓ StoreOnce Application Support - NFS
- ✓ StoreOnce Catalyst Application Support
- ✓ StoreOnce Catalyst Feature and Operating System Support
- ✓ StoreOnce Native Operating System App Support

# HP Data Agile BURA Compatibility Matrix - Backup, Recovery & Archive

## System Software for StoreOnce Backup Systems <sup>4</sup>

StoreOnce Disk Storage Systems											Product Notes ↓ (read notes below)
StoreOnce Backup System "G3"	3.11.1	3.11.0	3.10.1	3.10.0	3.9.4	3.9.2	3.9.0	3.7.0	3.6.5	3.6.2	
6500 Backup	✓	✓	✓	✓							
B6200					✓		✓		✓	✓	
4900 Backup	✓	✓	✓	✓							
4700 Backup	✓	✓			✓		✓				
4500 Backup	✓	✓			✓	✓	✓				
4430 Backup	✓	✓			✓		✓		✓	✓	
4420 Backup	✓	✓			✓		✓		✓	✓	
4220 Backup	✓	✓			✓		✓		✓	✓	
4210 FC Backup	✓	✓			✓		✓		✓	✓	
4210 iSCSI Backup	✓	✓			✓		✓		✓	✓	
2700 iSCSI Backup	✓	✓			✓		✓				
2620 iSCSI Backup	✓	✓			✓		✓		✓	✓	
2610 iSCSI Backup	✓	✓			✓		✓		✓	✓	3
StoreOnce VSA (VMware & Hyper-V)	✓	✓						✓			

D2D G2 StoreOnce Backup Systems	2.3.0/3.11.1	2.3.0/3.11.0		2.3.0 / 3.9.4	2.3.0 / 3.9.0	2.3.0 / 3.6.5	2.2.18 / 3.6.2	2.2.17 / 3.5.0	2.2.16 / 3.5.0	2.2.14	
D2D4324	✓	✓		✓	✓	✓	✓	✓	✓	✓	1
D2D4312	✓	✓		✓	✓	✓	✓	✓	✓	✓	1
D2D4112 G2	✓	✓		✓	✓	✓	✓	✓	✓	✓	1, 2
D2D4106i G2	✓	✓		✓	✓	✓	✓	✓	✓	✓	1
D2D4106fc G2	✓	✓		✓	✓	✓	✓	✓	✓	✓	1, 2
D2D2504 G2	✓	✓		✓	✓	✓	✓	✓	✓	✓	1
D2D2502 G2	✓	✓		✓	✓	✓	✓	✓	✓	✓	1

### NOTES:

- 1) Follow the configuration instructions in the conversion guide document (see below) before converting any G2 StoreOnce Backup System to the new G3 software.  
Search [HP Support Center](#) document 'BB852-90947'
- 2) The older StoreOnce D2D4106fc (EH998A) and D2D4112 (EH993B) running 2.x.x software are not supported for conversion to 3.x.x. Only the newer D2D4106fc (EH998B) & D2D4112 (EH993C) versions are supported.
- 3) Indicates a D2D2502i converted from 2.x to 3.x system software - HP StoreOnce 2610 Backup system is not a shipping product. Please search for the HP StoreOnce 2620 Backup system for supporting documentation
- 4) Supported browsers (IE9,10,11, Firefox v22+, Firefox ESR 24.x)

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce VTL Application Support

This table shows compatibility between StoreOnce versions and backup and recovery software. For each backup and recovery software, the latest version supported in the top row. In the intersection between backup and recovery software and storeonce version, is the minimum version of the backup software required.

StoreOnce VTL Support	HP Data Protector	HP NonStop Backup	Acronis Backup Advanced	Archware P5	arcserve Backup	Bridgehead Software HDM	CommVault Simpana	Dell NetVault	EMC NetWorker	IBM Tivoli Storage Manager	Microsoft DPM	Oracle Secure Backup	Symantec Backup Exec	Symantec NetBackup	Tributary Systems Storage Director	
Latest Supported	9.x	H4.00	11.x	5.x	16.x	13a	10	9.0.x	8.x	7.1	2012	6.1	2014	7.x	10	
Earliest Supported	7.x	H4.00	11.x	5.x	16.x	13a	9.x	8.6.x	7.x	5.5	2010	6.1	2010	7.x	10	
App Notes → (read notes below)	1					3	2	2, 4	2, 5	2	2			1		
StoreOnce Version	Application Support															Product Notes ↓ (read notes below)
3.11.1	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
3.11.0	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
3.10.1	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
3.10.0	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
3.9.4	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	☑ 2010	● 6.1	✓ 2014	✓ 7.x	● 10	
3.9.2	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	☑ 2010	● 6.1	✓ 2014	✓ 7.x	● 10	
3.9.0	✓ 9.x	✓ H4.00	● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	☑ 2010	● 6.1	✓ 2014	✓ 7.x	● 10	
3.7.0	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x			● 6.1	✓ 2014	✓ 7.x	● 10	
3.6.5	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	☑ 2010	● 6.1	✓ 2014	✓ 7.x	● 10	
3.6.2	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	☑ 2010	● 6.1	✓ 2014	✓ 7.x	● 10	
2.3.0/3.9.0	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
2.3.0/3.6.5	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
2.3.0/3.6.2	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
2.3.0/3.5.0	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	
2.2.14	✓ 9.x		● 11.x	● 5.x	● 16.x	✓ 13a	● 10.x	● 8.6.x	✓ 8.x	✓ 7.1	✓ 2012	● 6.1	✓ 2014	✓ 7.x	● 10	

**Key:**

- ☑ Recommended Solution - with technical white papers
- ✓ Recommended Solution
- Supported Solution - Please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com) for support details.

**Notes:**

1. Autonomic Restart StoreOnce 6500, B6200. supported with Windows and Linux. For other operating systems, please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).
2. Autonomic Restart StoreOnce 6500, B6200 - please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).
3. Autonomic Restart StoreOnce 6500, B6200 - supported.
4. Select within NetWorker: Advanced File Type Device (AFTD) option.
5. For VSA support, TSM is supported with iSCSI VTL on Windows and Linux. TSM version must be V6.2.2 or higher

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce CIFS Application Support

This table shows compatibility between StoreOnce versions and backup and recovery software. For each backup and recovery software, the latest version supported in the top row. In the intersection between backup and recovery software and storeonce version, is the minimum version of the backup software required.

StoreOnce CIFS Support	HP Data Protector	Acronis Backup Advanced	arserve Backup	Bridgehead Software HDM	CommVault Simpana	Dell NetVault	EMC NetWorker	ETI-NET Backup	IBM Tivoli Storage Manager	Microsoft DPM	Symantec Backup Exec	Symantec NetBackup	Veeam Backup
<b>IMPORTANT:</b> Consult the vendor's compatibility lists to confirm required software versions and specific device support.													
Latest Supported	9.x	11.x	16.x	13a	10	9.0.x	8.x	V4	7.1		2014	7.x	7
Earliest Supported	7.x	11.x	15.x	13a	9.x	8.6.x	7.x	V4	6.33		2012	7.x	7
Application Notes	1			1	2		2, 4		5		1		1

StoreOnce Version	Application Support													Product Notes ↓ (read notes below)
3.11.1	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 10.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.11.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 10.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.10.1	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 10.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.10.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 10.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.9.4	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.9.2	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.9.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.7.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x				✓ 2014	✓ 7.x	✓ 7	
3.6.5	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
3.6.2	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.3.0/3.9.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.3.0/3.6.5	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.2.18/3.6.2	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.2.17/3.5.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.2.16/3.5.0	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	
2.2.14	✓ 9.x	• 11.x	• 16.x	✓ 13a	☑ 9.x	• 9.0.x	✓ 8.x	✓ V4	✓ 7.1		✓ 2014	✓ 7.x	✓ 7	

Key

☑ Recommended Solution - with technical white papers

✓ Recommended Solution

• Supported Solution - Please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com) for support details.

Notes

1. Autonomic Restart StoreOnce 6500, B6200. supported with Windows and Linux. For other operating systems, please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).

2. Autonomic Restart StoreOnce 6500, B6200 - please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).

3. Autonomic Restart StoreOnce 6500, B6200 - supported.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce NFS Application Support

This table shows compatibility between StoreOnce versions and backup and recovery software. For each backup and recovery software, the latest version supported in the top row. In the intersection between backup and recovery software and storeonce version, is the minimum version of the backup software required.

StoreOnce NFS Support	HP Data Protector	Acronis Backup Advanced	arcserve Backup	Bridgehead Software HDM	CommVault Simpana	Dell NetVault	EMC NetWorker	IBM Tivoli Storage Manager	Symantec NetBackup	Veeam Backup
<b>IMPORTANT: Consult the vendor's compatibility lists to confirm required software versions and specific device support.</b>										
Latest Supported	9.x	11.x	16.x	13a	10		8.x	7.1	7.x	7
Earliest Supported	7.x	11.x	16.x	13a	9.x	8.6.x	7.x	6.33	6.x	7
Application Notes ➔	1			1	2		2, 4	5		1

StoreOnce Version	Application Support										Product Notes ↓ (read notes below)
3.11.1	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 7.x	✓ 7	
3.11.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 7.x	✓ 7	
3.10.1	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 7.x	✓ 7	
3.10.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 9.0.x	✓ 8.x	✓ 7.1	✓ 7.x	✓ 7	
3.9.4	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
3.9.2	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
3.9.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
3.7.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x		✓ 7.x	✓ 7	
3.6.5	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
3.6.2	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.3.0/3.9.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.3.0/3.6.5	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.2.18/3.6.2	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.2.17/3.5.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.2.16/3.5.0	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	
2.2.14	✓ 9.x	● 11.x	● 16.x	✓ 13a	☑ 10.x	● 8.6.x	✓ 7.x	✓ 7.1	✓ 7.x	✓ 7	

**Key**

- ☑ Recommended Solution - with technical white papers
- ✓ Recommended Solution
- Supported Solution - Please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com) for support details.

**Notes**

1. Autonomic Restart StoreOnce 6500, B6200. supported with Windows and Linux. For other operating systems, please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).
2. Autonomic Restart StoreOnce 6500, B6200 - please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).
3. Autonomic Restart StoreOnce 6500, B6200 - supported.
4. Select within NetWorker: Advanced File Type Device (AFTD) option.



# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce Catalyst Application Support

This table shows compatibility between StoreOnce versions and backup and recovery software. For each backup and recovery software, the latest version supported in the top row. In the intersection between backup and recovery software and storeonce version, is the minimum version of the backup software required.

StoreOnce Catalyst Support	HP Data Protector	Bridgehead Software HDM	Symantec Backup Exec	Symantec NetBackup	
<b>IMPORTANT:</b> Consult the vendor's compatibility lists to confirm required software versions and specific device support.					
Application Notes → (read notes below)	1, 4	3		1, 5	
Latest Supported	9.x	13a	2012	7.x	
Earliest Supported	7.x	13a	2010	6.x	
StoreOnce Version	Application Support				Product Notes ↓ (read notes below)
3.11.1	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.11.0	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.10.1	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.10.0	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.9.4	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.9.2	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.9.0	<input checked="" type="checkbox"/> 9.x	<input checked="" type="checkbox"/> 13a	<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.7.0	<input checked="" type="checkbox"/> 9.x		<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.6.5	<input checked="" type="checkbox"/> 9.x		<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	
3.6.2	<input checked="" type="checkbox"/> 9.x		<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 7.x	

### Key

[Recomended Solution - with technical white papers](#)

✓ Recommended Solution

● Supported Solution - Please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com) for support details.

### Notes

1. Autonomic Restart StoreOnce 6500, B6200, supported with Windows and Linux. For other operating systems, please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).

2. Autonomic Restart StoreOnce 6500, B6200 - please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com).

3. Autonomic Restart StoreOnce 6500, B6200 - supported.

4. 3.11.0 code only supported with DP 8.11 and 9.x

5. NetBackup LSU spanning is not supported

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce Catalyst Support

This table shows Catalyst capable backup applications and Catalyst plug-ins & connectors. Use this table to see supported media server platforms and business applications and supported Catalyst and OST features.

		Windows Server 2012 R2 (x64)	Windows Server 2012 (x64)	Windows Server 2008 R2 (x64)	Windows Server 2008 (x64)	RHEL 6.x (x64)	RHEL 5.x (x64)	SLES 11.x (x64)	SLES 10.x (x64)	Oracle Enterprise Linux 6 (x86-64)	Oracle Enterprise Linux 5 (x86-64)	HP-UX 11iv3 (11.31) (IA64)	HP-UX 11iv2 (11.23) (IA64)	Solaris 11 (SPARC 64 Bit)	Solaris 10 (SPARC 64 Bit)	AIX 7.1 (Power)	AIX 6.1 (Power)		
<b>IMPORTANT: Consult the vendor's compatibility lists to confirm required software versions and specific device support.</b>																			
	Plug-in version																		Notes
Bridgehead Software Healthcare Data Management 13a Release Set	n/a	✓	✓	✓	✓														CC, CoE
HP Data Protector 7.x/8.x	n/a		✓	✓	✓	✓	✓	✓	✓		✓	✓							CC, CoE
HP Data Protector 9.x	n/a	•	•	•	•	•	•	•	•		•	•							CC, CoE, FCat CoFC, Refer to Note 1
Symantec Backup Exec 2010 R2	HP OST 2.0			✓	✓														CC, CoE OptDup
Symantec Backup Exec 2012	HP OST 2.0		✓	✓	✓														CC, CoE OptDup
Symantec NetBackup 6.5.x	HP OST 1.2				✓	✓	✓	✓	✓						✓				Refer to Note 2
Symantec NetBackup 7.0.x, 7.1.x	HP OST 1.2				✓	✓	✓	✓	✓		✓			✓					Refer to Note 2
Symantec NetBackup 7.1, 7.5	HP OST 2.0			✓	✓	✓	✓	✓	✓		✓			✓					CC, CoE OptDup, Refer to Note 2
Symantec NetBackup 7.1, 7.5, 7.6	HP OST 2.1	✓	✓	✓	✓	✓	✓	✓	✓										CC, CoE, OptDup, U-AIR (7.6 only), Refer to Note 2
Symantec NetBackup 7.5/ 7.6	HP OST 3.0	•	•	•	•	•	•	•	•		•					•	•		CC, CoE, FCat, CoFC, OptDup, U-AIR (7.6 only), GRT, GRT VM, Refer to Note 1 & 2
Oracle 10g, 11g	HP RMAN 1.0			✓	✓	✓	✓	✓	✓	✓	✓								CoE

**Key:**

- ☑ [Recommended Solution - with technical white papers](#)
- ✓ Recommended Solution
- Supported Solution - Please contact [BURA.Solutions@hp.com](mailto:BURA.Solutions@hp.com) for support details

**Notes:**

1. Catalyst over Fibre Channel requires StoreOnce code 3.11.1
2. NetBackup LSU spanning is not supported

**Key:**

- CC Catalyst Copy
- CoE Catalyst over Ethernet
- CoFC Catalyst over Fibre Channel, currently only StoreOnce 6500 is supported (Windows & Linux)
- FCat Federated Catalyst (over Ethernet only), currently only StoreOnce 6500 is supported.
- OptDup OST Optimized Duplication
- U-AIR OST UntargetedAuto Image Replication (not supported HP-UX/AIX)
- T-AIR OST Targeted Auto Image Replication
- GRT OST Granular Recovery Technology
- GRT VM OST Granular Recovery Technology for VMware

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreOnce - Native Backup Support

Operating System / Native Backup Utility (Note: StoreOnce only)	Windows Server 2012 (x64)	Windows Server 2008 R2 (x64)	Windows Server 2008 (x64)	Windows Server 2008 (x86)	Windows Server 2008 (IA64)	RHEL 6.x (x64)	RHEL 6.x (x86)	RHEL 5.x (x64)	RHEL 5.x (x86)	SLES 11 (IA64)	SLES 11 (x64)	SLES 11 (x86)	HP-UX 11 (IA64)	HP-UX 11iv3 (11.31) (IA64)	Solaris 11 (x64)	Solaris 11 (PA-RISC)	Solaris 11 (x86)	Solaris 11 (SPARC)	Solaris 10 (SPARC)	Solaris 9 (SPARC)	AIX 7.1 (Power)	AIX 6.1 (Power)	HP NonStop	Notes
Application Notes →																								
Windows Backup	✓	✓	✓	✓	✓																			1
TAR						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			2
CPIO						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			2
DD						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			2
Fbackup / Frestore													✓	✓										3
Lfsdump / Lfsrestore															✓	✓	✓	✓	✓					2

**Notes:**

1. Supports NAS CIFS Connectivity
2. Supports VTL (FC & iSCSI) and NAS (NFS)
3. Supports NFS

**Key:**

✓ Supported Solution

This section includes the following:

- ✓ StoreAll Storage ISV Compatibility Guide
- ✓ StoreAll Storage Compatibility Guide

### This Section includes the following:

- ✓ StoreAll Storage ISV Compatibility Guide

#### General Notes:

Note: [The philosophy of certification can be found at: http://ent72.sharepoint.hp.com/teams/X9000Lifecycle/Completed%20Solution%20Assurance%20Documents%20SADs/Uncertified%20ISVs.pdf](http://ent72.sharepoint.hp.com/teams/X9000Lifecycle/Completed%20Solution%20Assurance%20Documents%20SADs/Uncertified%20ISVs.pdf)

**Latest:** Indicates the current version of ISV. This is also called version N

**Minimum:** Indicates previous to current version of ISV. This is also called version N-1

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Archiving Application Details

HP IBRIX / StoreAll Release	HP Consolidated Archive (HPCA)		HP IDOL Connector *		Symantec Enterprise Vault non-WORM		Symantec Enterprise Vault WORM		CommVault Simpana WORM		CommVault Simpana Non WORM		iTernity iCAS		CommVault Tape HSM	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported	Not supported	Not supported	V9.0	V9.0	V9.0	V9.0	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v5.6.x	Not supported	Not supported	Not supported	Not supported	Not Evaluated	Not Evaluated	Vx.x	Vx.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v6.0.x	Not supported	Not supported	Not supported	Not supported	V10.0	V10.0	V10.0	V10.0	V9.0	V9.0	Not supported	Not supported	v3.7	v3.7	Not supported	Not supported
HP IBRIX OS Version v6.1.x	Not supported	Not supported	Not supported	Not supported	V10.0	V10.0	V10.0	V10.0	V9.0 SP6a	V9.0 SP6a	Not supported	Not supported	v3.7	v3.7	Not supported	Not supported
HP StoreAll OS Version v6.2.x	7.1.5	7.1.5	Not supported	Not supported	Not Evaluated	Not Evaluated	V10.0.1	V10.0.1	V9.0 SP8a	V9.0 SP7a	Not supported	Not supported	V 3.7 SP2	V 3.7 SP2	9.0 SP10a	9.0 SP10a
HP StoreAll OS Version v6.3.x	7.1.5	7.1.5	Not supported	Not supported	V10.0.1	V10.0.1	V10.0.1	V10.0.1	V10.0 SP2	V9.0 SP10a	V10.0 SP2	V9.0 SP10a	V 3.7 SP3	V 3.7 SP3	9.0 SP10a	9.0 SP10a
HP StoreAll OS Version v6.5.x	8.0	8.0	10.0	10.0	V10.0.4	V10.0.4	V10.0.4	V10.0.4	V10.0 SP5	V10.0 SP5	V10.0 SP5	V10.0 SP5	v3.7 SP3	v3.7 SP3	v10.0 SP5	v10.0 SP5

**NOTES:**

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

\* HP IDOL Connector for use with StoreAll ExpressQuery

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - PACs Application Details

HP IBRIX / StoreAll Release	GE Healthcare Enterprise Archive (GE EA) JCIFS		GE Healthcare Enterprise Archive (GE EA) S/W		GE Healthcare Short Term Storage (GE STS) JCIFS		GE Healthcare Short Term Storage (GE STS) S/W		Agfa IDC		Agfa IMPAX <sup>3</sup>		McKesson Health Patient Folders		Sectra PACS Enterprise Edition	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported	Not Evaluated	Not Evaluated	Not supported	Not supported	Not Evaluated	Not Evaluated	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not Evaluated	Not Evaluated
HP IBRIX OS Version v5.6.x	v4.0	v3.0	Not Evaluated	Not Evaluated	v3.21 <sup>1</sup>	v3.21 <sup>1</sup>	Not Evaluated	Not Evaluated	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not Evaluated	Not Evaluated
HP IBRIX OS Version v6.0.x	v4.0	v3.0	Not Evaluated	Not Evaluated	v3.21 <sup>1</sup>	v3.21 <sup>1</sup>	Not Evaluated	Not Evaluated	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not Evaluated	Not Evaluated
HP IBRIX OS Version v6.1.x	JCIFS v1.3.16	JCIFS v1.3.13	Not Evaluated	Not Evaluated	JCIFS v1.3.16	JCIFS v1.3.13	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	JCIFS v1.3.16	JCIFS v1.3.16	Not Evaluated	Not Evaluated
HP StoreAll OS Version v6.2.x	JCIFS v1.3.16	JCIFS v1.3.13	Not Evaluated	Not Evaluated	JCIFS v1.3.16	JCIFS v1.3.13	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	JCIFS v1.3.16	JCIFS v1.3.16	Not Evaluated	Not Evaluated
HP StoreAll OS Version v6.3.x	JCIFS v1.3.13	JCIFS v1.3.13	Not Evaluated	Not Evaluated	JCIFS v1.3.13	JCIFS v1.3.13	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	v6.5.3 <sup>3</sup>	v6.5.3 <sup>3</sup>	JCIFS v1.3.16	JCIFS v1.3.16	v14.3	v14.3
HP StoreAll OS Version v6.5.x	JCIFS v1.3.13	JCIFS v1.3.13	GE PACS 4.0.3	GE PACS 4.0.3	JCIFS v1.3.13	JCIFS v1.3.13	GE PACS 4.0.3	GE PACS 4.0.3	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated	TBD	TBD	TBD	TBD

**NOTES:**

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

1. Requires support for Windows and Linux JCIFS client (version 1.3.13) and Local User

2. Requires support for directory quotas

3. Certification testing completed by Agfa, not HP

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURAs Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - File Auditing Application Details

HP IBRIX / StoreAll Release	Varonis	
	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported
HP IBRIX OS Version v5.6.x	Not supported	Not supported
HP IBRIX OS Version v6.0.x	V5.7	V5.7
HP IBRIX OS Version v6.1.x	V5.7	V5.7
HP StoreAll OS Version v6.2.x	V5.8	V5.8
HP StoreAll OS Version v6.3.x	V5.8	V5.8
HP StoreAll OS Version v6.5.x	TBD	TBD

### NOTES:

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll



### Application supporting Anti-Virus with StoreAll

HP IBRIX / StoreAll Release	Symantec Symantec Scan Engine for NAS		Symantec Protection Engine 7.0 (SPE)		McAfee Virus Scan Enterprise		McAfee Virus Scan Enterprise for Storage	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v6.1.x	5.2.10.102	5.2.10.102	NA <sup>2</sup>	NA <sup>2</sup>	8.8	8.8	1.0.2	1.0.2
HP StoreAll OS Version v6.2.x	5.2.10.102	5.2.10.102	NA <sup>2</sup>	NA <sup>2</sup>	8.8	8.8	1.0.2	1.0.2
HP StoreAll OS Version v6.3.x	Retired <sup>1</sup>	Retired <sup>1</sup>	7.0	7.0	8.8	8.8	1.0.2	1.0.2
HP StoreAll OS Version v6.5.x	Retired <sup>1</sup>	Retired <sup>1</sup>	7.0	7.0	8.8	8.8	1.0.2	1.0.2

#### NOTES:

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

1. SAV for NAS 5.2 has been discontinued by Symantec after the release of SPE 7.0
2. SPE certification started with StoreAll 6.3.x only SAV for NAS 5.x has been retired by Symantec

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Video Management System Applications

HP IBRIX / StoreAll Release	Genetec (Omnicast/GSC)		NICE (NiceVision)		Milestone (Xprotect Corporate 2013)	
	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v6.1.x	Not Evaluated	Not Evaluated	NA	NA	NA	NA
HP StoreAll OS Version v6.2.x	Pending	Pending	NA	NA	NA	NA
HP StoreAll OS Version v6.3.x	5.2	5.2	2.15	2.15	6.1a	6.1a
HP StoreAll OS Version v6.5.x	5.2	5.2	TBD	TBD	Pending	Pending

### NOTES:

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

HP IBRIX / StoreAll Release	Citrix ShareFile Storage Center		Signiant Manager+ Agent	
	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v6.1.x	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated
HP StoreAll OS Version v6.2.x	Not Evaluated	Not Evaluated	Not Evaluated	Not Evaluated
HP StoreAll OS Version v6.3.x	1.1	1.1	10.4.0	10.4.0
HP StoreAll OS Version v6.5.x	Pending	Pending	Not Evaluated	Not Evaluated

**NOTES:**

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - NDMP Application Support

Applications certified to backup data residing on StoreAll using NDMP

HP IBRIX / StoreAll Release	HP Data Protector		Symantec NetBackup		CommVault Simpana		IBM TSM		EMC NetWorker	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v5.6.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v6.0.x	6.20	6.20	7.0	7.0	9.00	9.0 SP4	6.3	6.3	Not supported	Not supported
HP IBRIX OS Version v6.1.x	6.21	6.21	Not supported	Not supported	9.0 SP6a	9.0 SP6a	6.3	6.3	Not supported	Not supported
HP StoreAll OS Version v6.2.x	7.03	7.0	Not supported	Not supported	9.0 SP8a	9.0 SP8a	6.3	6.3	Not supported	Not supported
HP StoreAll OS Version v6.3.x	8.1.1	7.0	7.6	7.6	10.0	9.0 SP10a	6.3	6.3	Not supported	Not supported
HP StoreAll OS Version v6.5.x	8.1.1	7.03	7.6	7.6	10.0 SP5a	9.0 SP10a	7.1	6.3	Not supported	Not supported

### Notes

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

1. NBU patch 7.6.0.3 is required for backup/restore of i18n characters in the file path and file names.

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Non-NDMP Application Support

Applications certified to backup data residing on StoreAll using Non-NDMP

HP IBRIX / StoreAll Release	HP Data Protector		Symantec NetBackup		CommVault Simpana		IBM TSM		EMC NetWorker	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v5.6.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v6.0.x	6.20	6.20	7.0	7.0	9.0	9.0 SP4	6.30	6.3	Not supported	Not supported
HP IBRIX OS Version v6.1.x	6.21	6.21	7.5	7.5	9.0 SP6a	9.0 SP6a	6.30	6.3	Not supported	Not supported
HP StoreAll OS Version v6.2.x	7.03	7.0	7.5	7.5	9.0 SP8a	9.0 SP8a	6.30	6.3	Not supported	Not supported
HP StoreAll OS Version v6.3.x	8.1.1	7.0	7.6	7.5	10.0	9.0 SP10a	7.1	6.3	Not supported	Not supported
HP StoreAll OS Version v6.5.x	8.1.1	7.03	7.6	7.5	10.0 SP5a	9.0 SP10a	7.1	6.3	Not supported	Not supported

### Notes

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Backup Application Supported Use Cases- StoreAll as Source <sup>1</sup>

NDMP Backup Use Cases	ISV Name			
	CommVault Simpana	IBM TSM	Symantec Net Backup	HP Data Protector
2-WAY	Yes	Yes	Yes	Yes
3-WAY	Yes	Yes	Yes	No
Remote	Yes	No	Yes	No
NDMP Target is iSCSI TAPE	Yes	Yes	Yes	Yes
NDMP Target is FC TAPE	Yes	Yes	Yes	Yes
NDMP Target is VTL (FC / iSCSI)	Yes	Yes	Yes	Yes

Non NDMP Use Case (StoreAll as Backup Source)	ISV Name			
	CommVault Simpana	IBM TSM	Symantec Net Backup	HP Data Protector
Agent on StoreAll Nodes	Yes	Yes	Yes	Yes
Agent on client where CIFS is mapped	Yes	Yes	Yes	No
Agent on client where NFS is mounted	Yes	Yes	Yes	Yes
Backup from UNC Path and Restore to UNC Path	No	Yes	Yes	No
Backup from NFS share and Restore to CIFS share	No	No	No	No
Backup from NFS share and Restore to NFS share (using DNS (FQN), NetBIOS Name, IP Address)	No	Yes	Yes	Yes
Backup from CIFS logical drive mapping and Restore to UNC Path	No	Yes	No	No
Backup from UNC Path and Restore to CIFS Logical drive mapping	No	Yes	No	No
Backup from NFS mount and Restore to On disk	Yes	Yes	Yes	Yes
Backup from NFS User-1 and Restore to NFS User-2	No	Yes	Yes	Yes
ISV Agent Target is iSCSI TAPE	Yes	Yes	Yes	Yes
ISV Agent Target is FC TAPE	Yes	Yes	Yes	Yes
ISV Agent Target Is VTL (FC/iSCSI)	Yes	Yes	Yes	Yes

### NOTES:

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

1. See Backup as Source sheet for versions of ISV applications. But it is generally supported on all versions of ISV

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - StoreAll Backup as Target

Applications certified to backup data using StoreAll as a target

HP IBRIX / StoreAll Release	HP Data Protector		Symantec NetBackup		CommVault Simpana		IBM TSM		EMC NetWorker	
	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum	Latest	Minimum
HP IBRIX OS Version v5.5.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v5.6.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v6.0.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP IBRIX OS Version v6.1.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP StoreAll OS Version v6.2.x	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported
HP StoreAll OS Version v6.3.x	8.1.1	7.03	7.6	7.5	10.0	9.0	7.1	7.1	Not supported	Not supported
HP StoreAll OS Version v6.5.x	8.1.1	7.03	7.6	7.5	10.0	9.0	7.1	6.3	Not supported	Not supported

### Notes

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

**Pending:** The Certification Testing is in progress

**TBD:** Not in scope for HP StoreAll

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Backup Application Supported Use Cases- StoreAll as Target <sup>1</sup>

Use Case (StoreAll NFS as Backup Target)	CommVault Simpana	IBM TSM	Symantec Net Backup	HP Data Protector
Target Connectivity	Yes	Yes	Yes	Yes
Concurrent Backup and Restore	Yes	Yes	Yes	Yes
Storage Pool Addition	Yes	Yes	Yes	Yes
Secondary Copy	Yes	TBD	Yes	Yes
Erasing Target Data	Yes	Yes	Yes	Yes
Erasing Target Data Based On Retention	Yes	TBD	Yes	No
Multiplexing	Yes	Yes	Yes	Yes
Reclamation	No	Yes	No	No
Different Datasets (File Types)	Yes	TBD	Yes	Yes
Import/Export	No	TBD	Yes	Yes
Directory Quota	Yes	Yes	Yes	Yes
Data Spanning Across Multiple Shares/SLOTS	Yes	TBD	No	Yes
Low Water Mark	Yes	TBD	Yes	No

Use Case (StoreAll CIFS as Backup Target)	CommVault Simpana	IBM TSM	Symantec Net Backup	HP Data Protector
Target Connectivity	Yes	Yes	Yes	Yes
Concurrent Backup and Restore	Yes	Yes	Yes	Yes
Storage Pool Addition	Yes	Yes	Yes	Yes
Secondary Copy	Yes	TBD	Yes	Yes
Erasing Target Data	Yes	Yes	Yes	Yes
Erasing Target Data Based On Retention	Yes	TBD	Yes	No
AD Authentication	Yes	Yes	Yes	Yes
LDAP Authentication	Yes	TBD	TBD	TBD
Local Authentication	Yes	No	Yes	Yes
User Quota	Yes	Yes	Yes	Yes
Group Quota	Yes	Yes	Yes	Yes
Directory Quota	Yes	Yes	Yes	Yes
Multiplexing	Yes	Yes	Yes	Yes
Reclamation	No	Yes	No	No
Low Water Mark	Yes	TBD	Yes	No
Data Spanning Across Multiple Shares/SLOTS	Yes	TBD	No	Yes

Use Case (Filesystem on StoreAll Nodes as Target)	CommVault Simpana	IBM TSM	Symantec Net Backup	HP Data Protector
Target Connectivity	Yes	TBD	Yes	Yes
Concurrent Backup and Restore	Yes	TBD	Yes	Yes
Storage Pool Addition	Yes	TBD	Yes	Yes
Secondary Copy	Yes	TBD	Yes	Yes
Erasing Target Data	Yes	TBD	Yes	Yes
Erasing Target Data Based On Retention	Yes	TBD	Yes	No
Directory Quota	Yes	TBD	Yes	Yes
Multiplexing	Yes	TBD	Yes	Yes
Reclamation	No	TBD	No	No
Different Data Sets (File types)	Yes	TBD	Yes	Yes
Import/Export	No	TBD	No	Yes
Low Water Mark	Yes	TBD	Yes	No
Data Spanning Across Multiple FS	Yes	TBD	Yes	Yes

**NOTES:**

See the General Notes on 'StoreAll ISV Compatibility Guide' Index page for notation

1. See Backup as Target sheet for versions of ISV applications. But it is generally supported on all versions of ISV



# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - Protocol Interface Support

StoreAll Protocols that were tested and are supported	NFS	CIFS	HTTP	Windows IBRIX Client (WIC)	WebDAV	FTP	NDMP	OpenStack Object
<b>Archiving</b>								
<b>iTernity</b>								
iCAS		✓						
<b>CommVault</b>								
Simpana Non-WORM		✓						
Simpana WORM		✓						
Tape HSM	✓	✓	✓		✓	✓	✓	
<b>Symantec</b>								
Enterprise Vault WORM		✓						
Enterprise Vault non-WORM		✓						
<b>Autonomy</b>								
HPCA		✓						
<b>PACs</b>								
<b>GE Healthcare</b>								
Short Term Storage		✓						
Enterprise Archive		✓						
<b>Agfa</b>								
IMPAX Data Center								
<b>Backup</b>								
<b>HP Data Protector</b>								
NDMP							✓	
Non-NDMP	✓	✓						
<b>CommVault</b>								
NDMP							✓	
Non-NDMP	✓	✓						
<b>Symantec</b>								
NDMP							✓	
Non-NDMP	✓	✓						
<b>IBM TSM</b>								
NDMP							✓	
Non-NDMP	✓	✓						
<b>EMC</b>								
NetWorker								
<b>File Auditing</b>								
Varonis	✓	✓	✓	✓	✓	✓	✓	
<b>Video Surveillance</b>								
Genetec		✓						
Milestone		✓						
<b>Cloud Applications</b>								
CITRIX Sharefile		✓						
Signiant Manager+Agent		✓						

### **This section includes:**

- ✓ StoreAll Storage Compatibility Guide

Linux Operating System	OS						
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0	IBRIX OS V5.6	IBRIX OS v5.5
RHEL 5.8, 64-bit	X						
RHEL 5.5, 64-bit		X	X	X	X	X	
RHEL 5.3, 64-bit							X

Linux Operating System	OS						
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0	IBRIX OS v5.6	IBRIX OS v5.5
RHEL 6.4/Centos 6.4	2.6.32-358.x.x.el5	2.6.32-358.x.x.el5					
RHEL 6.2/Centos 6.2	2.6.32-220.x.x.el5	2.6.32-220.x.x.el5	2.6.32-220.x.x.el5				
RHEL 6.1/Centos 6.1	2.6.32-131.x.x.el5	2.6.32-131.x.x.el5	2.6.32-131.x.x.el5				
RHEL 5.9/Centos 5.9	2.6.18-348.x.x.el5						
RHEL 5.8/Centos 5.8	2.6.18-308.el5 2.6.18-308.24.3.el5	2.6.18-308.x.x.el5	2.6.18-308.x.x.el5				
RHEL 5.7/Centos 5.7	2.6.18-274.x.x.el5	2.6.18-274.x.x.el5	2.6.18-274.x.x.el5	2.6.18-274.x.x.el5	2.6.18-274.x.x.el5	2.6.18-274.x.x.el5	
RHEL 5.6/Centos 5.6		2.6.18.238.x.x.el5 <sup>2</sup>	2.6.18.238.x.x.el5 <sup>2</sup>	2.6.18.238.x.x.el5 <sup>2</sup>	2.6.18.238.x.x.el5 <sup>2</sup>	2.6.18.238.x.x.el5 <sup>2</sup>	2.6.18.238.x.x.el5 <sup>2</sup>
RHEL 5.5/Centos 5.5		2.6.18.194.x.x.el5 <sup>2</sup>	2.6.18.194.x.x.el5 <sup>2</sup>	2.6.18.194.x.x.el5 <sup>2</sup>	2.6.18.194.x.x.el5 <sup>2</sup>	2.6.18.194.x.x.el5 <sup>2</sup>	2.6.18.194.x.x.el5 <sup>2</sup>
RHEL 5.4/Centos 5.4		2.6.18.164.x.x.el5 <sup>2</sup>	2.6.18.164.x.x.el5 <sup>2</sup>	2.6.18.164.x.x.el5 <sup>2</sup>	2.6.18.164.x.x.el5 <sup>2</sup>	2.6.18.164.x.x.el5 <sup>2</sup>	2.6.18.164.x.x.el5 <sup>2</sup>
RHEL 5.3/Centos 5.3		2.6.18.128.x.x.el5 <sup>2</sup>	2.6.18.128.x.x.el5 <sup>2</sup>	2.6.18.128.x.x.el5 <sup>2</sup>	2.6.18.128.x.x.el5 <sup>2</sup>	2.6.18.128.x.x.el5 <sup>2</sup>	2.6.18.128.x.x.el5 <sup>2</sup>

### NOTES:

1. 'x.x' in the kernel listing signifies that a client is compatible with all minor kernel updates available for the base kernel unless specified. No new kit is required. Required minimum IBRIX OS versions 5.5.5, 5.6.2 and 6.0.1, for 'x.x' kernel patches

2. RHEL 5.2, 5.3, 5.4, 5.5, 5.6, OpenSUSE 11.1, SLES 10 SP2, SP3, and SP4 will not be supported beyond June 2013.

Linux Operating System	OS						
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0	IBRIX OS v5.6	IBRIX OS v5.5
openSUSE 11.1		2.6.27.7.9.default <sup>2</sup>	2.6.27.7.9.default <sup>2</sup>	2.6.27.7.9.default <sup>2</sup>	2.6.27.7.9.default <sup>2</sup>	2.6.27.7.9.default <sup>2</sup>	2.6.27.7.9.default <sup>2</sup>
SUSE Linux Enterprise Server 11.1	2.6.32.12-0.7-default						
SUSE Linux Enterprise Server 11.0	2.6.27.19.5.default	2.6.27.19.5.default	2.6.27.19.5.default	2.6.27.19.5.default	2.6.27.19.5.default	2.6.27.19.5.default	2.6.27.19.5.default
SUSE Linux Enterprise Server 10.3		2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>	2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>	2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>	2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>	2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>	2.6.16.60.0.54.5.smp 2.6.16.60.0.69.1.smp <sup>2</sup>
SUSE Linux Enterprise Server 10.4		2.6.16.60.0.x.x.smp <sup>2</sup>	2.6.16.60.0.x.x.smp <sup>2</sup>	2.6.16.60.0.x.x.smp <sup>2</sup>			

**NOTES:**

- 'x.x' in the kernel listing signifies that a client is compatible with all minor kernel updates available for the base kernel unless specified. No new kit is required. Required minimum IBRIX OS versions 5.5.5, 5.6.2 and 6.0.1, for 'x.x' kernel patches
- RHEL 5.2, 5.3, 5.4, 5.5, 5.6, OpenSUSE 11.1, SLES 10 SP2, SP3, and SP4 will not be supported beyond June 2013.

Operating System	OS						
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0	IBRIX OS v5.6	IBRIX OS v5.5
<b>Windows OS</b>							
Microsoft Windows 8, x86/x64	X	X					
Microsoft Windows Server 2012, x86/x64	X	X					
Microsoft Windows 2008 R2, x86/x64	X	X	X	X	X	X	X
Microsoft Windows 2008, x86/x64	X	X	X	X	X	X	X
Microsoft Windows 2003 R2, x86/x64	X	X	X	X	X	X	X
Microsoft Windows 2003 SP2, x86/x64	X	X	X	X	X	X	X
Microsoft Windows 2003, x86/x64	X	X	X	X	X	X	X
Microsoft Windows Vista, x86/x64	X	X	X	X	X	X	X
Microsoft Windows 7, x86/x64	X	X	X	X	X	X	X
Microsoft Windows XP, x86/x64	X	X	X	X	X	X	X
MAC OS <sup>c,d</sup> 10.5	X	X	X	X		X	X <sup>a</sup>
MAC OS <sup>c,d</sup> 10.6	X	X	X	X	X	X	X <sup>a</sup>
MAC OS <sup>c,d</sup> 10.7	X	X	X	X	X	X	X <sup>a</sup>

**Supported Windows OS for StoreAll/IBRIX Native Clients**

Operating System	OS						
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0 <sup>b</sup>	IBRIX OS v5.6	IBRIX OS v5.5.x
<b>Windows OS</b>							
Microsoft Windows 2008 R2, x86/x64	X <sup>e</sup>	X	X	X		X	X
Microsoft Windows 2008, x86/x64	X <sup>e</sup>	X	X	X		X	X
Microsoft Windows 7, x86/x64	X <sup>e</sup>	X	X	X		X	X
Microsoft Windows 2003 SP2, x86/x64		X	X	X		X	X
Microsoft Windows 2003 R2, x86/x64		X	X	X		X	X

- a. IBRIX OS v5.5.1 version or higher
- b. There is no Windows Native Clients available for IBRIX OS v6.0
- c. Tested with CIFS and Active Directory
- d. Alternate Data Streams is supported with StoreAll OS v6.2
- e. Supported clients are built from v6.3.3.

### StoreAll and IBRIX Native Linux Client-Server Compatibility

Server Release	Client Release						
	StoreAll Client 6.5	StoreAll Client 6.3	StoreAll Client 6.2	IBRIX Client 6.1	IBRIX Client 6.0	IBRIX Client 5.6	IBRIX Client 5.5
StoreAll Server 6.5	X	X	X	X	X		
StoreAll Server 6.3		X	X	X	X		
StoreAll Server 6.2			X	X	X		
IBRIX Server 6.1				X	X		
IBRIX Server 6.0					X		
IBRIX Server 5.6						X	X
IBRIX Server 5.5							X

### StoreAll and IBRIX Native Windows Client-Server Compatibility

Server Release	Client Release						
	StoreAll Client 6.5	StoreAll Client 6.3	StoreAll Client 6.2	IBRIX Client 6.1	IBRIX Client 6.0	IBRIX Client 5.6	IBRIX Client 5.5
StoreAll Server 6.5		X					
StoreAll Server 6.3		X	X				
StoreAll Server 6.2			X	X			
IBRIX Server 6.1				X	X		
IBRIX Server 6.0					X		
IBRIX Server 5.6						X	X
IBRIX Server 5.5							X

Note: StoreAll Windows 6.3.3 client is compatible with StoreAll 6.5 release. There is no separate StoreAll Windows 6.5 client package included in the 6.5 release

Note: Previous version of the client is only supported for upgrade purposes

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

HP StoreAll Storage Systems - Supported Software Features

Feature	OS					
	StoreAll OS v6.5	StoreAll OS v6.3	StoreAll OS v6.2	IBRIX OS v6.1	IBRIX OS v6.0	IBRIX OS v5.5/v5.6
StoreAll REST API Object Mode	X	X				
StoreAll REST API File Compatibility Mode	X	X	X			
StoreAll Open Stack	X					
StoreAll Express Query	X	X	X			
VLAN tagging <sup>a</sup>	X	X	X	X		
Anti-Virus	X	X	X	X		
LDAP	X	X	X	X		
Fault-Resilient SMB (CIFS)	X	X	X	X		
Software Snapshot	X	X	X	X	X	
WORM/Retention	X	X	X	X	X	
Directory Quotas	X	X	X	X	X	X
User/Group Quotas	X	X	X	X	X	X
Linux Client	X	X	X	X	X	X
Windows Client		X	X	X		X
Segment Rebalancing	X	X	X	X	X	X
Data Tiering	X	X	X	X	X	X
Remote Replication	X	X	X	X	X	
Constant Validation	X	X	X	X	X	
EQ Auditing	X					
EQ Reporting	X					

## Array Based Snapshots

Feature	HP StoreAll Storage			
	HP StoreAll 8200 & 8800 Storage	HP StoreAll 9730 Storage	HP StoreAll 9320 Storage	HP IBRIX X9720
Array Based Snapshots	N/A	N/A	MSA P2000 G2, MSA P2000 G3 <sup>b</sup>	N/A

## Continuous Remote Replication

Source	Target						
	StoreAll OS v 6.5.x	StoreAll OS v 6.3.x	StoreAll OS v 6.2.x	IBRIX OS v 6.1.x	IBRIX OS v 6.0.x	IBRIX OS v 5.6.x	IBRIX OS v 5.5.x
StoreAll OS v 6.5.x	Yes <sup>f</sup>	Yes	Yes	Yes	No	No	No
StoreAll OS v 6.3.x	Yes	Yes	Yes	Yes	No	Yes	No
StoreAll OS v 6.2.x	Yes	Yes	Yes	Yes	No	Yes	No
IBRIX OS v 6.1.x	Yes	Yes	Yes	Yes	No	Yes	No
IBRIX OS v 6.0.x	No	No	No	No	Yes	No	No
IBRIX OS v 5.6.x	No	Yes	Yes	Yes	No	Yes	Yes
IBRIX OS v 5.5.x	No	No	No	No	No	Yes	Yes

### NOTES:

a. VLAN Tagging is applicable for all HP StoreAll Storage models and not for HP IBRIX X9720 Storage

b. P2000 G3 Array based snapshots requires IBRIX OS v5.6 and minimum Firmware version TS230P008

c. All file-serving nodes must be implemented in pairs for HA, single nodes are not supported. Maximum segment size is 8 TB and optimal number of segments owned per file-serving node is 10 with maximum recommended being 15 to maintain reasonable latency on failover

d. Remote replication is not supported between 6.1.x and 6.2 clusters in either direction if Express Query is enabled on the 6.2 cluster

e. It is not supported to configure StoreAll storage with Kerberized (Secure) NFSv3.

f. 6.5 to 6.5 only for secure CRR



# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreAll Storage Systems - StoreAll 8200 & 8800 Storage Firmware Guide

Firmware Description	StoreAll OS v6.5.1
	Recommended Firmware Level
Integrated Lights Out (iLO) v4	Version 1.30
Power Management Controller	Version 3.2
Server BIOS - G8	Version 2013.09.08
331FLR FIO (LOM)	Version 1.34
p420 controller	Version 4.68
NC365T	Version 5.12-2
NC552	Version 4.6.247.5
p1228	Version 2.12
Server HDD 300GB Model EG0300FAWHV	Version HPDF
Server HDD 300GB Model EG0300FAWJD	Version HPDG
Server HDD 300GB Model EG0300FARTT	Version HPDA
Server HDD 300GB Model EG0300FBDBR	Version HPDA
Server HDD 300GB Model EG0300FBDSP	Version HPD6
Server HDD 300GB Model EG0300FBLSE	Version HPD7
Server HDD 300GB Model DG0300FAMWN	Version HPDF
Server HDD 300GB Model DG0300FARVV	Version HPDG
Server HDD 300GB Model EG0300FBVFL	Version HPD9
Server HDD 300GB Model EG0300FCHHR	Version HPD6
Server HDD 300GB Model EG0300FCVBF	Version HPD3
Server HDD 300GB Model EG0300FCSPH	VersionTBD
Drives in the 8800 not in the 8200	
HDD 2TB Model MB2000FAMYV	Version HPD7
HDD 2TB Model MB2000FBZPN	Version HPD3
HDD 2TB Model MB2000FBUCL	Version HPDA
HDD 2TB Model MB2000FCQPF	Version HPD7
HDD 2TB Model MB2000FCZGH	Version TBD
HDD 2TB Model MB2000FCVBV	Version TBD
HDD 2TB Model MB2000FCWDF	Version HPD2
HDD 3TB Model MB3000FCVCA	Version TBD
HDD 3TB Model MB3000FCZGK	Version TBD
HDD 3TB Model MB3000FCWDH	Version HPD2
HDD 3TB Model MB3000FBNWV	Version HPD7
HDD 3TB Model MB3000FBUCN	Version HPDA
HDD 4TB Model MB4000FCWDK	Version HPD2
Midline SAS Capacity Block	7.04
Enterprise SAS Capacity Block	1.47
HDD 4TB Model MB4000FCZGL	
HDD 4TB Model MB4000FCVCB	

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

Firmware Description	StoreAll OS v6.5.1	StoreAll OS v6.3.3
	Recommended Firmware Level	Recommended Firmware Level
Server BIOS G7	Version 2013.07.02	Version 2011.05.05
Server BIOS G6		Version 2011.05.05
Power Management Controller G7	Version 1.6	Version 1.6
Power Management Controller G6		Version 2.9
Integrated Lights Out (iLO) v2		Version 2.12
Integrated Lights Out (iLO) v3 (iLO3)-G7 Servers only	Version 1.61	Version 1.28
MSA2312sa Dual Controller Modular Smart Array		M113R11
MSA P2000 G3	TS250P01-01 (Package TS250P002)	TS250R17-01 (Package TS250R023)
LOM (NC382i)	Version 5.2.3	Version 5.2.3
p410i controller	Version 6.40	Version 5.70
NC522		Version 4.0.588 (Package 5.1.2)
NC550	Version 4.6.247.5	Version 4.6.247.5
IB 4X DDR and QDR CX-2 PCI-e G2	Version 2-2_9_10000	Version 2-2_9_1000
Server Drive Model 146GB DG146BAAJB		Version HPDB
Server Drive Model 146GB EH0146FARUB		Version HPD8
Server Drive Model 146GB DH0146BALWN		Version HPD3
Server Drive Model 146GB DG146A4960		Version HPDB
Server Drive Model 146GB DH0146FAQRE		Version HPDJ
Server Drive Model 146GB EH0146FARWD		Version HPDD
Server Drive Model 146GB DG0146FARVU		Version HPDG
Server Drive Model 146GB EG0146FAWHU		Version HPDF
Server Drive Model 146GB EG0146FARTR		Version HPDA
Server Drive Model 300GB EG0300FAWHV	Version HPDF	Version HPDF
Server Drive Model 300GB EG0300FAWJD	Version HPDG	Version HPDC
Server Drive Model 300GB EG0300FARTT	Version HPDA	Version HPDA
Server Drive Model 300GB EG0300FBDBR	Version HPDA	Version HPD7
Server Drive Model 300GB EG0300FBDSP	Version HPD6	Version HPD4
Server Drive Model 300GB EG0300FBLSE	Version HPD7	Version HPD5
Server Drive Model 300GB DG0300FAMWN	Version HPDF	Version HPDF
Server Drive Model 300GB DG0300FARVV	Version HPDG	Version HPDC
Server HDD 300GB Model EG0300FCHHR	Version HPD6	Version TBD
Server HDD 300GB Model EG0300FCVBF	Version HPD3	Version TBD
Server HDD 300GB Model EG0300FCSPH	Version TBD	Version TBD
Server HDD 300GB Model EG0300FBVFL	Version HPD9	Version TBD
MSA Drive Model 300GB EG0300FAWHV	Version HPDF	Version HPDF
MSA Drive Model 300GB DG0300FAMWN	Version HPDF	Version HPDF
MSA Drive Model 300GB EG0300FBLSE	Version HPD7	Version HPD5
MSA Drive Model 300GB EG0300FBDBR	Version HPDA	Version HPD7

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

Firmware Description	StoreAll OS v6.5.1	StoreAll OS v6.3.3
	Recommended Firmware Level	Recommended Firmware Level
MSA Drive Model 300GB EG0300FARTT	Version HPDA	Version HPDA
MSA Drive Model 300GB EG0300FBDSP	Version HPD4	Version HPD4
MSA Drive Model 300GB DG0300FARVV	Version HPDG	Version HPDC
MSA Drive Model 300GB EG0300FAWJD	Version HPDG	Version HPDC
MSA Drive Model 300GB EG0300FBVFL	Version HPD8	Version TBD
MSA Drive Model 300GB EG0300FCHHR	Version TBD	Version TBD
MSA Drive Model 300GB EG0300FCVBF	Version TBD	Version TBD
MSA Drive Model 300GB EG0300FCSPH	Version TBD	Version TBD
LFF Drive Model 450GB ST3450856SS	Version 0009	Version 0009
LFF Drive Model 450GB ST3450857SS	Version 0008	Version 0008
LFF Drive Model 450GB HUS154545VLS300	Not supported	Version TBD
LFF Drive Model 450GB HUS156045VLS600	Not supported	Version TBD
LFF Drive Model 600GB ST3600057SS	Version 0008	Version 0008
LFF Drive Model 600GB HUS156060VLS600	Version TBD	Version TBD
SFF Drive Model 900GB EG0900FBLSK	Version HPD7	Version HPD5
SFF Drive Model 900GB EG0900FBVfq	Version HPD8	Version HPD8
SFF Drive Model 900GB EG0900FCSPN	Version TBD	Version TBD
SFF Drive Model 900GB EG0900FCVBL	Version TBD	Version TBD
SFF Drive Model 900GB EG0900FCHHV	Version TBD	Version TBD
SFF Drive Model 900GB EG0900FDJYR	Version TBD	Version TBD
Drive Model 1TB ST1000NM0001	Version 0002	Version 0002
Drive Model 1TB ST31000424SS	Version 0008	Version 0008
Drive Model 1TB ST1000NM0023	Version TBD	Version TBD
Drive Model 1TB WD1001FYYG-70SL3W0	Version TBD	Version TBD
Drive Model 1TB MK1001TRKB	Version TBD	Version TBD
Drive Model 2TB ST32000444SS	Version 0008	Version 0008
Drive Model 2TB MK2001TRKB	Version TBD	Version TBD
Drive Model 2TB WD2001FYYG-70SL3W0	Version TBD	Version TBD
Drive Model 2TB ST2000NM0001	Version 0002	Version 0002
Drive Model 2TB HUS724020ALS640	Version TBD	Version TBD
Drive Model 2TB HUS723020ALS640	Version TBD	Version TBD
Drive Model 2TB ST2000NM0023	Version TBD	Version TBD
Drive Model 3TB HUS723030ALS640	Version TBD	Version TBD
Drive Model 3TB ST33000650SS	Version 0005	Version TBD
Drive Model 3TB ST3000NM0023	Version TBD	Version TBD
Drive Model 3TB WD3001FYYG-70SL3W0	Version TBD	Version TBD
Drive Model 3TB HUS724030ALS640	Version TBD	Version TBD

Array based snapshots requires minimum FW version TS230P008

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

Firmware Description	StoreAll OS v6.5.1	StoreAll OS v6.3.3
	Recommended Firmware Level	Recommended Firmware Level
Onboard Administrator	Version 4.01	Version 3.60
Virtual Connect Flex-10 Module	Version 4.01	Version 3.60
6Gb SAS Switch	Version 3.5.5.0	Version 3.5.5.0
Server BIOS- G7	Version 2013.07.02	Version 2011.05.05
Intergrated Lights Out (iLO) v3 (iLO3) - G7 Servers Only	Version 1.61	Version 1.28
Internal HDD controller P410i	Version 6.40	Version 5.70
Flex-10 LOM G7	Version 4.6.247.5	Version 4.6.247.5
p1210m Controller	Version 1.80	Version 1.80
9700 CX MDS600	Version 3.60	Version 3.60
9700 CX D6000	Version 2.38	Version 2.38
Server HDD 300GB Model EG0300FAWHV	Version HPDF	Version HPDF
Server HDD 300GB Model EG0300FAWJD	Version HPDG	Version HPDD
Server HDD 300GB Model EG0300FARTT	Version HPDA	Version HPDA
Server HDD 300GB Model EG0300FBDBR	Version HPDA	Version HPD7
Server HDD 300GB Model EG0300FBDSP	Version HPD6	Version HPD4
Server HDD 300GB Model EG0300FBLSE	Version HPD7	Version HPD7
Server HDD 300GB Model DG0300FAMWN	Version HPDF	Version HPDF
Server HDD 300GB Model DG0300FARVV	Version HPDG	Version HPDD
Server HDD 300GB Model EG0300FBVFL	Version HPD9	Version HPD3
Server HDD 300GB Model EG0300FCHHR	Version HPD6	Version TBD
Server HDD 300GB Model EG0300FCVBF	Version HPD3	Version TBD
Server HDD 300GB Model EG0300FCSPH	Version TBD	Version TBD
9700 CX HDD 2TB Model MB2000FAMYV	Version HPD7	Version HPD7
9700 CX HDD 2TB Model MB2000FBZPN	Version HPD3	Version HPD3
9700 CX HDD 2TB Model MB2000FBUCL	Version HPDA	Version HPD7
9700 CX HDD 2TB Model MB2000FCQPF	Version HPD7	Version HPD6
9700 CX HDD 2TB Model MB2000FCZGH	Version TBD	Version TBD
9700 CX HDD 2TB Model MB2000FCVBV	Version TBD	Version TBD
9700 CX HDD 2TB Model MB2000FCWDF	Version HPD2	Version TBD
9700 CX HDD 3TB Model MB3000FCVCA	Version TBD	Version TBD
9700 CX HDD 3TB Model MB3000FCZGK	Version TBD	Version TBD
9700 CX HDD 3TB Model MB3000FCWDH	Version HPD2	Version TBD
9700 CX HDD 3TB Model MB3000FBNWV	Version HPD7	Version HPD6
9700 CX HDD 3TB Model MB3000FBUCN	Version HPDA	Version HPD7

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

HP StoreAll Storage Systems - HP IBRIX X9720 Storage Firmware Guide (1 of 2)

Firmware Description	StoreAll OS v6.5.1	StoreAll OS v6.3.3
	Recommended Firmware Level	Recommended Firmware Level
Onboard Administrator	Version 4.01	Version 3.60
Flex -10 Virtual Connect Module	Version 4.01	Version 3.60
Server BIOS G6		Version 2011.05.05
Server BIOS G7	Version 2013.07.02	Version 2011.05.05
Integrated Lights Out (ILO) v2 G6		Version 2.12
Integrated Lights Out (ILO) v3 (iLO3) - G7 Servers Only	Version 1.61	Version 1.28
Internal HDD controller P410i	Version 6.40	Version 5.70
Power Management Controller G7	Version 1.6	Version 1.6
Power Management Controller G6		Version 3.4
P700M	Version 5.74.0	Version 5.74.0
SAS Switch Solex	Version 2.2.17	Version 2.2.17
Flex10 LOM G6		Version 6.2.10 (Package 2.6.14)
Flex10 LOM G7	Version 4.6.247.5	Version 4.6.247.5
ExDS9100c SEP	Version 1.56	Version 1.56
ExDS9100cc Controller	Version 1.42	Version 1.42
ExDS9100cx MDS600	Version 3.60	Version 3.60
Drive Model DB1000BABFF	Version HPD8	Version HPD8
Drive Model MB1000BAWJP	Version HPD8	Version HPD8
Drive Model MB1000FAMYU	Version HPD7	Version HPD7
Drive Model MB1000FBZPL	Version HPD3	Version HPD3
Drive Model MB1000FCWDE	Version HPD2	Version TBD
Drive Model MB1000FCWPP	Version TBD	Version TBD
Drive Mode MB2000FCZGH	Version TBD	Version TBD
Drive Mode MB2000FCVBV	Version TBD	Version TBD
Drive Mode MB2000FCWDF	Version HPD2	Version TBD

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

HP StoreAll Storage Systems - HP IBRIX X9720 Storage Firmware Guide (2 of 2)

Firmware Description	StoreAll OS v6.5.1	StoreAll OS v6.3.3
	Recommended Firmware Level	Recommended Firmware Level
Drive Model MB1000FCWPP	Version TBD	Version TBD
Drive Model MB2000FAMYV	Version HPD7	Version HPD7
Drive Model MB2000FBZPN	Version HPD3	Version HPD3
Drive Model MB2000FBUCL	Version HPDA	Version HPD7
Drive Model MB2000FCQPF	Version HPD7	Version HPD6
Drive Model MB2000FCWDF	Version HPD2	Version TBD
Drive Model MB2000FCZGH	Version TBD	Version TBD
Drive Model MB2000FCVBV	Version TBD	Version TBD
Server HDD 300GB Model EG0300FAWHV	Version Any	Version Any
Server HDD 300GB Model EG0300FAWJD	Version Any	Version Any
Server HDD 300GB Model EG0300FARTT	Version Any	Version Any
Server HDD 300GB Model EG0300FBDBR	Version Any	Version Any
Server HDD 300GB Model EG0300FBDSP	Version Any	Version Any
Server HDD 300GB Model EG0300FBLSE	Version Any	Version Any
Server HDD 300GB Model DG0300FAMWN	Version Any	Version Any
Server HDD 300GB Model DG0300FARVV	Version Any	Version Any
Server HDD 300GB Model EG0300FBVFL	Version Any	Version Any
Server HDD 300GB Model EG0300FCHHR	Version Any	Version Any
Server HDD 300GB Model EG0300FCVBF	Version Any	Version Any
Server HDD 300GB Model EG0300FCSPH	Version Any	Version Any
Server HDD 300GB Model EG0300FCHHR	Version Any	Version Any
Server HDD 300GB Model EG0300FCVBF	Version Any	Version Any
Server HDD 300GB Model EG0300FCSPH	Version Any	Version Any
Server HDD 300GB Model EG0300FBVFL	Version Any	Version Any

\*Version TBD - These drives have not shipped at the time of publishing, but are supported.

HBA Specification	HP StoreAll Storage					
	StoreAll 8800 <sup>1</sup>	StoreAll 8200 Gateway <sup>1</sup>	StoreAll 9730	IBRIX X9720	StoreAll 9320 <sup>1</sup>	StoreAll 9300 Gateway <sup>1</sup>
HP Part Number/ Hardware Model	P1228 controller QW991-60103	Qlogic 8 Gb FC HBA AJ764A	1210m controller 607191-B21	p700m controller 484823-001	488765-B21 (3GB SAS HBA) 614988-B21 (HP SCO8e 6 Gb SAS HBA)	488765-B21 (3GB SAS HBA) 614988-B21 (HP SCO8e 6 Gb SAS HBA) AJ764A (Dual Port FC HBA)
Driver Version	HPSA 3.2.0.9	Vendor Specific	6.3.3 hpsa 3.0.0.7 6.5 hpsa 3.2.0.9	cciss 3.6.28-22	6.3.3 3GB 4.00.13.9 6.5 6GB 05.10.06.00-1	6.3.3 3GB mptlinux 4.00.13.9 6.5 6GB mpt2sas 05.10.06.00-1 FC Vendor Specific

**Notes:**

**1. Only HBAs with the specified part numbers are supported.**

NIC Specification	HP StoreAll Storage					
	StoreAll 8800	StoreAll 8200	StoreAll 9730	IBRIX X9720	StoreAll 9320 <sup>a</sup>	StoreAll 9300 Gateway <sup>a</sup>
HP Part Number/ Hardware Model	NC365T 1GbE quad port NC552SFP 10GbE dual port 331 FLR 1GbE Quad port	NC365T 1GbE quad port NC552SFP 10GbE dual port 331 FLR 1GbE Quad port	Embedded NIC	Embedded NIC	435508-B21 (1GB quad NIC) 468332-B21 (10GB dual NIC) 581201-B21 (HP NC550SFP Dual port 10GbE Server Adapter) 592520-B21 (HP IB 4X QDR CX-2 PCIe G2 Dual Port HCA) <sup>b</sup>	435508-B21 (1GB quad NIC) 468332-B21 (10GB dual NIC) 581201-B21 (HP NC550SFP Dual port 10GbE Server Adapter) 592520-B21 (HP IB 4X QDR CX-2 PCIe G2 Dual Port HCA) 592521-B21 (HP IB 4X DDR CX-2 PCIe G2 Dual Port HCA)
Bonded NICs (Bonding Mode)	1Gb - Mode 6 or Mode 4 10Gb - Mode 1 or Mode 4	1Gb - Mode 6 or Mode 4 10Gb - Mode 1 or Mode 4	File Servers - Mode 1 Virtual Connect - Single connection or LACP Trunk	File Servers - Mode 1 Virtual Connect - Single connection or LACP Trunk	1Gb - Mode 6 or Mode 4 10Gb - Mode 1 or Mode 4	1Gb - Mode 6 or Mode 4 10Gb - Mode 1 or Mode 4
Driver Version	4.3.0-5 4.6.247.7.1 3.132f-1	4.3.0-5 4.6.247.7.1 3.132f-1	6.5 and 6.3.3 4.6.247.7.1	6.3 G6 1.72.55, G7 4.6.247.7.1	6.3.3 - e1000e 1.9.5-1 6.5.x - e1000e 2.4.4-5 6.3.3 - nx_nic 4.0.585-2 6.3.3 - nx_nic N/A 6.3.3 be2net 4.6.247.7.1 6.5.x be2net 4.6.247.7.1 Vendor Specific	6.3.3 - e1000e 1.9.5-1 6.5.x - e1000e 2.4.4-5 6.3.3 - nx_nic 4.0.585-2 6.3.3 - nx_nic N/A 6.3.3 be2net 4.6.247.7.1 6.5.x be2net 4.6.247.7.1 Vendor Specific

**Bonding Modes:**

- mode 1 – active/passive fail-over mode (no customer switch configuration required)
- mode 4 - Customer must aggregate ports on their switch(s) with LACP/802.3ad
- mode 6 - Adaptive load balancing (no customer switch configuration required)



OS			
	Firefox	Chrome	Internet Explorer
StoreAll OS v6.5	Firefox 21 onwards	Chrome 27 onwards on Windows	IE 8, IE 9 and IE 10
StoreAll OS v6.3	Firefox 16 onwards	Chrome 24 onwards on Windows	IE 8 and IE 9
StoreAll OS v6.2	Firefox 16 onwards	Chrome 24 onwards on Windows	IE 8 and IE 9
IBRIX OS v6.1	Firefox 16 onwards	Chrome 24 onwards on Windows	IE 8 and IE 9
IBRIX OS v6.0	Firefox 16 onwards	Chrome 24 onwards on Windows	IE 8 and IE 9
IBRIX OS v5.6	Firefox 16 onwards		IE 8 and IE 9
IBRIX OS v5.5.x	Firefox 16 onwards		IE 8 and IE 9

Third Party MPIO Software	File Serving Node/Segment Server Version						
	StoreAll 8800 <sup>a</sup>	StoreAll 8200 Gateway <sup>a</sup>	StoreAll 9730	IBRIX X9720	StoreAll 9320	StoreAll 9300 Gateway	IBRIX OS v5.5/v5.6/v6.0/v6.1 StoreAll OS v6.2/v6.3/v6.5
Device Mapper Multipath	Storage vendor-specific Device Mapper configuration	Storage vendor-specific Device Mapper configuration	Handled by HBA	Handled by HBA	Storage vendor-specific Device Mapper configuration	Storage vendor-specific Device Mapper configuration	Storage vendor-specific Device Mapper configuration
EMC PowerPath	N/A	N/A	N/A	N/A	N/A	v5.3	v5.3

### HP StoreAll 8200 Gateways Supported Storage Subsystems

HP StoreAll 8200 Gateway Storage running StoreAll OS v6.5 is compatible with HP 3PAR StoreServ, HP EVA, and HP XP arrays that support RHEL 5.8 with the FC/SAS HBAs that are also supported within HP StoreAll 9300 Gateway Storage. Please refer to the HP StoreAll Storage QuickSpecs for the list of HP StoreAll 9300 Gateway supported storage Interfaces and refer to the respective array SPOCK for other compatibility information.

### HP StoreAll and IBRIX 9300 Gateways Supported Storage Subsystems

a. HP StoreAll 9300 Gateway Storage running StoreAll OS v6.5.x is compatible with HP 3PAR StoreServ, HP EVA, and HP XP arrays that support RHEL 5.8 with the FC/SAS HBAs that are also supported within HP StoreAll 9300 Gateway Storage. Please refer to the HP StoreAll Storage QuickSpecs for the list of HP StoreAll 9300 Gateway supported storage Interfaces and refer to the respective array SPOCK for other compatibility information.

b. HP StoreAll 9300 Gateway Storage running StoreAll OS v5.6 and higher is compatible with HP 3PAR StoreServ, HP EVA, and HP XP arrays that support RHEL 5.5 with the FC/SAS HBAs that are also supported within HP StoreAll 9300 Gateway Storage. Please refer to the HP StoreAll Storage QuickSpecs for the list of HP StoreAll 9300 Gateway supported storage Interfaces and refer to the respective array SPOCK for other compatibility information.

c. HP StoreAll 9300 Gateway Storage running StoreAll OS v5.5 and lower is compatible with HP 3PAR StoreServ, HP EVA, and HP XP arrays that support RHEL 5.3 with the FC/SAS HBAs that are also supported within HP StoreAll 9300 Gateway Storage. Please refer to the HP StoreAll Storage QuickSpecs for the list of HP StoreAll 9300 Gateway supported storage Interfaces and refer to the respective array SPOCK for other compatibility information.

This section includes:

- ✓ Tape Library Firmware
- ✓ Tape Library Backup and Archive Application Support
- ✓ StoreOpen (LTFS) Support
- ✓ Tape Library Features

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## Firmware for StoreEver Tape Libraries / Autoloaders / Tape Drive Products

Enterprise Class Libraries		Firmware
<b>ESL G3</b>	(MCB Ver. 2)	<b>680H_GS30501</b>
	(MCB Ver. 1)	<b>656H_GS01501</b>
Ultrium 6650	(LTO-6 FH FC)	<b>J3PW</b>
Ultrium 3280	(LTO-5 FH FC)	<b>I6GW</b>
Ultrium 1840	(LTO-4 FH FC)	<b>H6HW</b>

Business Class Libraries & Autoloaders		Firmware
<b>MSL6480</b>	(FC or SAS Drives only)	<b>4.40</b>
<b>MSL8096 / 8048</b>		1120.00
<b>MSL4048</b>		8.60
<b>MSL2024</b>		6.10
<b>1/8 G2 Autoloader</b>	(HH Drives only)	4.20
Ultrium 6250	(LTO-6 HH FC)	<b>23MW</b>
Ultrium 6250	(LTO-6 HH SAS)	<b>33OW</b>
Ultrium 3280	(LTO-5 FH FC)	<b>I6GW</b>
Ultrium 3000	(LTO-5 HH FC)	<b>Y6DW</b>
Ultrium 3000	(LTO-5 HH SAS)	<b>Z6DW</b>
Ultrium 1840	(LTO-4 FH FC)	<b>H6FW</b>
Ultrium 1840	(LTO-4 FH SCSI)	B63W
Ultrium 1760	(LTO-4 HH SAS)	U62W
Ultrium 1760	(LTO-4 HH SCSI)	W61W
Ultrium 960	(LTO-3 4Gb FH FC)	M63W
Ultrium 960	(LTO-3 2Gb FH FC)	L63W
Ultrium 960	(LTO-3 FH SCSI)	G63W
Ultrium 920	(LTO-3 HH SCSI)	D24W
Ultrium 920	(LTO-3 HH SAS)	C25W / Q51W <sup>2</sup>

Key Managers for Tape Drive Encryption	
Key Management Appliances <sup>1</sup>	Firmware
HP Enterprise Secure Key Manager 4.0	6.0.0 or later
HP Enterprise Secure Key Manager 3.0	5.0.0 or later
HP Enterprise Secure Key Manager 2.1	As shipped
HP Secure Key Manager 1.1	4.8.1
SafeNet KeySecure models k150 or k460 <sup>1</sup>	6.0.2

### NOTES:

- 1) Refer to the [KeySecure Interoperability website](#) for additional information.
- 2) Refer to [Library and Tape Tools](#) to determine correct FW versions for libraries and tape drives.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreEver Tape Libraries & Autoloaders - Software Partner Support

### Software Partner Support for DAS and SAN Connectivity

HP Data Protector	arcserve Backup	CommVault Simpana	EMC NetWorker	IBM Tivoli Storage Manager	Symantec Backup Exec	Symantec NetBackup	Archware P5	ASG Time Navigator	Dell NetVault	Barracuda Yosemite Server Backup	BridgeHead HT ISM Suite	Inetriga IDS, PARS	ETH-NET	File Tek StorHouse	Front Porch Digital DVArchive	MDA Archive Management System	Microsoft DPM & System Center	Oracle Secure Backup	QStar Archive Manager	Quantum StorNext	Retrospect	Seven10 StorFirst Altus & EAS	SGL FlashNet	StorageDNA DNA Evolution	Synacor DPM	TOLIS BRU Server	Veeam Backup & Replication	XenData Archive Series
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**IMPORTANT:** Consult the software vendor's compatibility lists to confirm required software versions and specific device support

Latest Tested/Certified Version	9.x 8.x	16.x	10.x	8.x	6.3.x 7.1.x	2014 2012	7.6.x	5.x	4.x	9.x	10.x	12B					7.x		2012 R2 2012 2010	10.x		4.7.x	8.x Win 10.2 Mac						7		
Partner Hardware Compatibility Lists (HCL)	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	NA	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	NA	NA	NA	NA	NA	NA	NA	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	NA	<a href="#">HCL</a>	<a href="#">HCL</a>	<a href="#">HCL</a>	NA	<a href="#">HCL</a>	
Partner Software Compatibility Lists (SCL)	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	NA	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	NA	NA	NA	NA	NA	NA	NA	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	NA	<a href="#">SCL</a>	<a href="#">SCL</a>	<a href="#">SCL</a>	NA	<a href="#">SCL</a>	
<b>Enterprise Class Libraries</b>																															
<b>ESL G3</b>																															
ESL G3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 6650 (LTO-6 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 3280 (LTO-5 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 1840 (LTO-4 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Business Class Libraries</b>																															
<b>MSL6480</b>																															
MSL6480 (FC and SAS Drives only)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>MSL8096, 8048, 4048, 2024</b>																															
MSL8096, 8048, 4048, 2024		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>1/8 G2 Tape AL</b>																															
1/8 G2 Tape AL (HH Drives Only)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 6250 (LTO-6 HH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 6250 (LTO-6 HH SAS)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 3280 (LTO-5 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 3000 (LTO-5 HH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 3000 (LTO-5 HH SAS)		✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 1840 (LTO-4 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 1840 (LTO-4 FH SCSI)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 1760 (LTO-4 HH SAS)		✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 1760 (LTO-4 HH SCSI)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 960 (LTO-3 4Gb FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 960 (LTO-3 FH FC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 960 (LTO-3 FH SCSI)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 920 (LTO-3 HH SCSI)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ultrium 920 (LTO-3 HH SAS)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**NOTES:**

- 2) Supports Linear Tape File System (LTFS)
- 3) Windows 2008 & 2012: use ATN version 4.3 SP3 P5283 or later.
- 4) Seven10 StorFirst Altus does not support MSL6480

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreEver Tape Libraries & Autoloaders - Storage Appliance Partner Support

### Storage Appliance Partner Support for DAS and SAN Connectivity

HP NonStop Servers  
 Cache-A ProCache Appliance  
 Cache-A PowerCache Appliance  
 Crossroads ReadVerify Appliance  
 Crossroads SPHINX  
 Crossroads StrongBox  
 Crossroads Virtual TapeServer  
 FalconStor VTL  
 Intradyn ComplianceVault  
 NetApp Data ONTAP (NDMP)  
 NetApp Data ONTAP (NDMP)  
 NetApp NearStore VTL Series

**IMPORTANT:** Consult the software vendor's compatibility lists to confirm required software versions and specific device support

Latest Tested/Certified Version											7.2.x 7.3.x	8.x		
<b>Partner Hardware Compatibility Lists (HCL)</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	<a href="#">HCL</a>	<a href="#">HCL</a>	NA	
<b>Partner Software Compatibility Lists (SCL)</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	<a href="#">SCL</a>	<a href="#">SCL</a>	NA	
<b>Enterprise Class Libraries</b>														
<b>ESL G3</b>					✓			✓			✓ <sup>2</sup>	✓ <sup>2</sup>		
Ultrium 6650	(LTO-6 FH FC)												✓	
Ultrium 3280	(LTO-5 FH FC)				✓			✓					✓	
Ultrium 1840	(LTO-4 FH FC)										✓		✓	
<b>Business Class Libraries</b>														
<b>MSL6480</b>		(FC and SAS Drives only)											✓ <sup>2</sup>	
<b>MSL8096, 8048, 4048, 2024</b>			✓ <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓
<b>1/8 G2 Tape AL</b>		(HH Drives Only)		✓	✓								✓ <sup>2</sup>	
Ultrium 6250	(LTO-6 HH FC)												✓	
Ultrium 6250	(LTO-6 HH SAS)			✓	✓								✓	
Ultrium 3280	(LTO-5 FH FC)					✓		✓			✓		✓	
Ultrium 3000	(LTO-5 HH FC)					✓		✓			✓		✓	
Ultrium 3000	(LTO-5 HH SAS)			✓	✓						✓		✓	
Ultrium 1840	(LTO-4 FH FC)					✓			✓		✓		✓	✓
Ultrium 1840	(LTO-4 FH SCSI)					✓			✓		✓		✓	✓
Ultrium 1760	(LTO-4 HH SAS)			✓	✓			✓			✓		✓	
Ultrium 1760	(LTO-4 HH SCSI)					✓			✓		✓		✓	✓
Ultrium 960	(LTO-3 4Gb FH FC)		✓ <sup>1</sup>			✓			✓	✓	✓		✓	✓
Ultrium 960	(LTO-3 FH FC)		✓ <sup>1</sup>			✓			✓	✓	✓		✓	✓
Ultrium 960	(LTO-3 FH SCSI)		✓ <sup>1</sup>			✓			✓	✓	✓	✓	✓	✓
Ultrium 920	(LTO-3 HH SCSI)		✓ <sup>1</sup>								✓		✓	
Ultrium 920	(LTO-3 HH SAS)										✓		✓	

**Notes:**

- Requires connectivity of tape library to HP Virtual TapeServer for NonStop Systems.
- A Tape Library connected via Fibre Channel (FC), SAS, or pSCSI would be considered supported with the NetApp Data ONTAP OS if the Tape Library has been certified by the NDMP-certified backup application. Check the backup applications for support.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## StoreEver Archiving Solution Partners

### Software Partners

Application	Feature	Support for LTFS <sup>1</sup>	Link to Product Page	Hardware Compatibility List
HP StoreOpen Automation & Standalone	Free utility for basic LTFS <sup>1</sup> connectivity to HP tape libraries and tape drives	✓	<a href="#">Click Here</a>	See StoreOpen page in this document
ASG - Time Navigator	Advanced protection and archival solution		<a href="#">Click Here</a>	<a href="#">Click Here</a>
CommVault Simpana Archive	Archive, retrieve, and back up relational and file-based information		<a href="#">Click Here</a>	<a href="#">Click Here</a>
FileTek StorHouse	Archive, retrieve, and back up relational and file-based information	✓	<a href="#">Click Here</a>	
Front Porch Digital DIVArchive	Content Storage Management system for digital media		<a href="#">Click Here</a>	
Interica IDS & PARS	Archiving solutions to preserve the value and integrity of information		<a href="#">Click Here</a>	<a href="#">Click Here</a>
MDA Archive Management System	Surveillance, Intelligence, Communication, and Advanced Technology solutions		<a href="#">Click Here</a>	
Qstar Archive Manager	Provides data archive functionality and automigration	✓	<a href="#">Click Here</a>	<a href="#">Click Here</a>
Quantum StorNext	High Performance Workflow and Intelligent Archiving		<a href="#">Click Here</a>	<a href="#">Click Here</a>
Seven10 StorFirst Altus & EAS	Enterprise file system archiving and disaster recovery software		<a href="#">Click Here</a>	<a href="#">Click Here</a>
SGL FlashNet	Content storage and archive management	✓	<a href="#">Click Here</a>	
StorageDNA DNA Evolution	Designed for Nearline and Archival of media assets.	✓	<a href="#">Click Here</a>	<a href="#">Click Here</a>
TOLIS BRU	Artists/producers can now easily drag-and-drop to create session archives	✓	<a href="#">Click Here</a>	<a href="#">Click Here</a>
XenData Archive Series	Powerful, scalable digital archives	✓	<a href="#">Click Here</a>	<a href="#">Click Here</a>

### Hardware Partners

Product	Feature	Support for LTFS	Link to Product Page	Hardware Compatibility List
Intradyn ComplianceVault	Email Archiving & Retrieval Appliance		<a href="#">Click Here</a>	
Cache-A PowerCache Appliance	Long Term management of media data in and out of archives	✓	<a href="#">Click Here</a>	
Crossroads ReadVerify Appliance	Monitors and verifies readability of data written to tape		<a href="#">Click Here</a>	
Crossroads StrongBox	File-based and fully portable storage solution for long- term data retention	✓	<a href="#">Click Here</a>	

#### Notes

1. Linear Tape File System (LTFS)



# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## HP StoreOpen Standalone & Automation Support

### Supported Operating Systems for HP StoreOpen Standalone (SOS) and StoreOpen Automation (SOA)

HP StoreOpen Standalone (SOS) version	2.2.1
HP StoreOpen Automation (SOA) version	1.3.0

Supported Operating Systems for HP StoreOpen Standalone (SOS) and StoreOpen Automation (SOA)																											
Tape Devices	Windows Server 2012 R2		Windows Server 2012		Windows Server 2008 R2		Windows Server 2008		Windows 8.1 <sup>6</sup>		Windows 8 <sup>6</sup>		Windows 7		RHEL 6 Server <sup>1</sup>		RHEL 5 Server <sup>2</sup>		RHEL (Desktop)		SLES 11		SLED (Desktop)		Mac 10.X <sup>3,9</sup>		
	LTO-5 Standalone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LTO-6 Standalone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HP 1/8 G2 Autoloader														✓	✓			✓								✓ <sup>7</sup>	
HP MSL8096 / 8048 / 4048 / 2024 Libraries														✓	✓			✓								✓ <sup>7</sup>	
HP MSL6480 Libraries														✓	✓			✓								✓ <sup>7</sup>	
HP ESL G3 Libraries														✓	✓			✓									

Supported Hardware Platforms for HP StoreOpen Standalone (SOS) and StoreOpen Automation (SOA)																		
Platforms	HP P222 <sup>8</sup> , P420, P421, P822		HP P431		HP P212 <sup>4,8</sup> , P410, P411, P812		HP H20, H21, H22		HP E500, P800		ATTO ThunderLink SH 1068		ATTO H64, H680, H6F0		LSI 9212-4Me 6Gb		Supported by Platform	
	SAS Controllers										FC Controllers							
HP ProLiant Gen8	✓				✓												✓	
HP ProLiant Gen8 V2		✓															✓	
HP ProLiant G7			✓														✓	
HP ProLiant G6			✓			✓											✓	
HP Zx20, Zx10 & Zx00 Workstations														✓				
HP ZBook 17 Mobile Workstation										✓ <sup>10</sup>								
HP ZBook 15 Mobile Workstation										✓ <sup>10</sup>								
Mac Pro G6											✓							
Mac Pro G5											✓							
Third Party x86, x64														✓ <sup>5</sup>				

#### Notes

- RHEL 6 update 1 through update 5
- RHEL 5 update 5 through update 10 (SOA supports up to RHEL 5.8 only)
- For HP SOA Minimum Mac version supported is Mac 10.6 (HP SOA requires MacFUSE 2.0.3.2 or higher for Mac 10.6 and OSXFUSE 2.5.1 or higher for Mac 10.7 and 10.8)
- The P212/Zero Memory Smart Array Controller is not supported
- HP recommended
- Administrator access is required to run SOS with Windows 8 and 8.1
- SAS drives only
- LTFS does not support P222 and P212 Smart Array Controllers on x86 Windows Operating systems
- HP SOS minimum Mac version supported is OSX 10.7. HP SOS requires OSXFUSE 2.6.2 for Mac OS
- Supported with HP LTO6, SOS (v2.2.0, v2.2.1), Win7 (x64)/Win8 (x64), Atto firmware 140519, & Atto driver v1.00

For more information about HP StoreOpen tape-based file system, please visit our web site at:

[www.hp.com/go/storeopen](http://www.hp.com/go/storeopen)

Direct Attached and SAN Support	HP Data Protector	arcserve Backup	CommVault Simpana (Backup and Archive)	EMC NetWorker	IBM Tivoli Storage Manager	Symantec Backup Exec	Symantec NetBackup	Quantum StorNext Software
<b>Enterprise Class Libraries</b>	<b>IMPORTANT: See the StoreEver "Software Partner Support" page for the latest supported versions of backup software.</b>							
HP Enterprise Secure Key Manager 4.0 <sup>4,11</sup>	✓	✓	✓	✓	✓	✓	✓	✓
HP Enterprise Secure Key Manager 3.0 <sup>4,11</sup>	✓	✓	✓	✓	✓	✓	✓	✓
HP Enterprise Secure Key Manager 2.1 <sup>4,11</sup>	✓	✓	✓	✓	✓	✓	✓	✓
HP Secure Key Manager <sup>4,11</sup>	✓	✓	✓	✓	✓	✓	✓	✓
<b>ESL G3</b>								
Dual Robot Support	✓	✓ <sup>3</sup>	✓	✓	✓	✓	✓	✓
High Density Expansion Module (HDEM)	✓	✓	✓	✓	✓	✓	✓	✓
Automated Media Pool (AMP) <sup>7</sup>	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Control Path Failover (ACPF) <sup>9</sup>	✓	Not Supported	✓	✓	✓ <sup>10</sup>		✓	✓
Advanced Data Path Failover (ADPF) <sup>9</sup>	✓	Not Supported	✓	✓	✓ <sup>10</sup>		✓	✓
Basic Control Path Failover (CPF) <sup>8</sup>	✓	✓	✓	✓	Not Supported	Not Supported	✓	
Basic Data Path Failover (DPF) <sup>8</sup>	✓	✓	✓	✓	Not Supported	✓	✓	
Expansion Module support	✓	✓	✓	✓	✓	✓	✓	✓
Library Partitioning	✓	✓	✓	✓	✓	✓	✓	✓
Mixed Media	✓	✓	✓	✓	✓ <sup>2</sup>	✓	✓	✓
<b>Business Class Libraries</b>								
1/8 G2 & MSL Encryption Kit (EK) <sup>6,11</sup>	✓	✓	✓	✓	✓	✓	✓	✓
<b>MSL6480 and MSL8096 / 8048 / 4048 / 2024</b>								
Library Extender <sup>1,5</sup>	✓	✓	✓	✓	✓	✓	✓	✓
Library Partitioning	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Control Path Failover (ACPF) <sup>9</sup>	✓	Not Supported	✓	✓	✓ <sup>10</sup>		✓	✓
Advanced Data Path Failover (ADPF) <sup>9</sup>	✓	Not Supported	✓	✓	✓ <sup>10</sup>		✓	✓
Basic Control Path Failover (CPF) <sup>8</sup>	✓	✓	✓	✓	Not Supported	Not Supported	✓	
Basic Data Path Failover (DPF) <sup>8</sup>	✓	✓	✓	✓	Not Supported	✓	✓	
<b>Advanced Drive Features</b>								
Application encryption key management <sup>11</sup>	✓	✓	✓	Not Supported	✓	✓	✓	

**NOTES:**

- 1) Only support on the MSL8096 / 8048 / 4048 / 2024 Libraries. The MSL6480 is already scalable with optional modules.
- 2) Supported with a patch from TSM.
- 3) ARCserve TestFix T146567 required.
- 4) ESKM, SKM & KMIP provide encryption keys for HP tape drives in HP tape libraries that are transparent to the ISV software. Support with all ISV software in the Data Agile matrix.
- 5) The first time you install the Extender you must update the firmware in each Library individually. For future firmware updates you can update both Libraries at the same time with the Extender Firmware Package. [More details at MSL Tape Library Expansion Upgrades and Options](#)
- 6) EK is designed to provide encryption keys to supported HP tape drives in HP Business Class tape libraries, transparent to the ISV software. Its use with all ISV software in the Data Agile matrix has been verified, and is fully supported.

- 7) Supported by using partitions.
- 8) Failover behavior may vary based on configuration. For more details see the: [HP StoreEver Tape Libraries Failover User Guide](#).
- 9) Advanced Path Failover requires x64 OS drivers. Drivers available for Windows 2008 R2 / 2012 / 2012 R2; RHEL 6.2 / 6.3; HP-UX 11.31. For more details see: [HP StoreEver Tape Libraries Failover User Guide](#).  
Advanced path failover functions with HP E series and Q series FC HBAs. Advanced path failover is **not** compatible with HP B series FC HBAs.  
Advanced path failover functions with HP B series, C series, and H series FC switches.
- 10) IBM TSM is currently not support with HP-UX APF drivers.
- 11) For tape drives with hardware encryption support (LTO6, LTO5 & LTO4)

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

## CVTL and SKM Firmware with Software Dependencies

	ESL G3	MSL6480	MSL8096/8048/4048/2024 & 1/8G2 AL
Command View Tape Library (CVTL)	3.7.00 + 3.7.01 Patch <sup>2</sup>	3.7.00	3.7.00
Library firmware	Use latest on "Tape Library Firmware" Page		
Adobe Flash Player (minimum version)	10.3 or later	10.3 or later	10.3 or later
JAVA Run Time (minimum version)	1.6		
HP Enterprise Secure Key Manager 4.0 (eSKM and KMIP standard)	6.0.0 or later	6.0.0 or later	6.0.0 or later <sup>3</sup>
HP Enterprise Secure Key Manager 3.0	5.0.0 or later	5.0.0 or later	
HP Enterprise Secure Key Manager 2.1	4.8.9 or later	4.8.9 or later	
HP Secure Key Manager 1.1	4.8.1	4.8.1	
SafeNet KeySecure models k150 or k460 <sup>1</sup> (KMIP standard)	6.0.2 or later	6.0.2 or later	6.0.2 or later

### NOTES:

1) Refer to the [KeySecure Interoperability website for additional information.](#)

2) Data Verification feature requires Patch 3.7.01. Install base code 3.7.00 before applying patch. Version number 3.7.01 will only be visible in the Windows Registry.

For more details, see the customer advisory number c04275450: [http://saw.cce.hp.com/km/saw/view.do?docId=emr\\_na-c04275450](http://saw.cce.hp.com/km/saw/view.do?docId=emr_na-c04275450)

3. KMIP only

This section includes:

- ✓ StoreOnce and StoreEver Operating System Support
- ✓ StoreOnce and StoreEver FC, FCoE and SAS HBA Support
- ✓ StoreOnce and StoreEver Switch Support

**\*IMPORTANT: This section applies to StoreOnce and StoreEver only**

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

**IMPORTANT:** Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

HP-UX (Integrity)	
Direct Attached and SAN Support	Version
Operating Systems	
HP-UX 11i v3 (11.31)	HWE & QPK bundles, Mar 2014
HP-UX 11i v2 (11.23)	HWE & QPK bundles, Dec 2010
Servers	
HP Integrity Superdome 2 and rx Series (i2 / i4)	✓
HP BladeSystem c-Class Integrity Servers (i2 / i4)	✓
10GbE Converged Network Adapters (HP Branded)	
<b>CN1100E (AT111A) (PCI-e) <sup>2</sup></b>	
FW / 11i v3 Driver Bundle	4.2.401.2212 / B.11.31.1403
10GbE HP BladeSystem Converged Network Adapters (HP Branded)	
<b>NC553m (613431-B21) (PCI-e) <sup>2</sup></b>	
FW / 11i v3 Driver Bundle	4.2.401.2212 / B.11.31.1403
16Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)	
<b>SN1000Q (B9F23A / B9F24A) (PCI-e)</b>	
FW / 11i v3 Driver Bundle	7.02.00 / B.11.31.1403
8Gb Fibre Channel Host Bus Adapters	
<b>81Q (AH400A) &amp; 82Q (AH401A) (PCI-e)</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
<b>81E (AH402A) &amp; 82E (AH403A) (PCI-e)</b>	
FW / 11i v3 Driver Bundle	2.02x2 / B.11.31.1403
<b>(AT094A) / (8G FC &amp; 10GbE, PCI-e)</b>	
FW / 11i v3 Driver Bundle	2.02x2 / B.11.31.1403
8Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters	
<b>QMH2562 (451871-B21) (PCI-e) for HP BladeSystem c-Class</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
<b>LPe1205 (456972-B21) (PCI-e) for HP BladeSystem c-Class</b>	
FW / 11i v3 Driver Bundle	2.02x2 / B.11.31.1403
4Gb Fibre Channel Host Bus Adapters	
<b>AD299A / AD355A (PCI-e)</b>	
FW / 11i v3 Driver Bundle	2.82x4 / B.11.31.1403
FW / 11i v2 Driver Bundle	2.82x4 / B.11.23.1106
<b>AD300A (PCI-e)</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
FW / 11i v2 Driver Bundle	5.03.15 / B.11.23.1205
<b>AD221A / AD222A / AD393A (PCI-e, Combo Card)</b>	
FW / 11i v3 Driver Bundle	2.82x4 / B.11.31.1403
<b>AD193A / AD194A (PCI-X 2.0, Combo Card)</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
FW / 11i v2 Driver Bundle	5.03.15 / B.11.23.1205
<b>AB379A/B &amp; AB378A/B (PCI-X 2.0)</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
FW / 11i v2 Driver Bundle	5.03.15 / B.11.23.1205
4Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters	
<b>QMH2462 (PCI-e) for HP BladeSystem c-Class (403619-B21)</b>	
FW / 11i v3 Driver Bundle	5.03.15 / B.11.31.1403
FW / 11i v2 Driver Bundle	5.03.15 / B.11.31.1205
<b>LPe1105 (PCI-e) for HP BladeSystem c-Class (403621-B21)</b>	
FW / 11i v3 Driver Bundle	2.82x4 / B.11.31.1403

HP-UX (Integrity) <sup>1</sup> (Continued)	
SAS Host Bus Adapters	
<b>P711m (6Gb, PCI-e, 8 channel)</b>	✓
<b>P812 (AM312A) / P411 (AM311A) (6Gb, PCI-e, 8 channel)</b>	✓
<b>P700m (3Gb, PCI-e, 8 channel)</b>	✓
<b>AH303A (HP SC44Ge, 3Gb, PCI-e, 4 channel)</b>	✓
SCSI Host Bus Adapters	
<b>A7173A (Ultra320, PCI-X, 2 channel)</b>	Native
<b>AB290A (Ultra320, PCI-X, 2 channel, Combo Card)</b>	Native

**Notes:**

1. StoreEver SAS/SCSI tape devices support Boot from Tape.
2. Not supported with Library and Tape Tools.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

IMPORTANT: Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

Windows (x64/x86)	
Direct Attached and SAN Support	Version
Operating Systems	
Windows Server 2012 R2 & 2012 x64 (Windows Storage Server 2012 / 2012 R2) <sup>1</sup>	✓
Windows Server 2008 R2 x64 (Windows Storage Server 2008 R2) <sup>2</sup>	sp1
Windows Server 2008 x64 / x86	sp2
Servers	
HP ProLiant & BladeSystem c-Class	✓
HP StoreEasy Storage <sup>1</sup>	✓
HP E5000 G2 Messaging Systems <sup>2</sup>	✓
Third Party	✓
10GbE Converged Network Adapters (HP Branded)	
<b>CN1000E (AW520A)</b> (PCI-e)	iSCSI support only
<b>CN1000Q (BS668A) / 526FLR (629138-B21)</b> (PCI-e)	
FW	4.14.26
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	9.1.11.14
WS 2012 R2 / WS 2012 / 2008 NIC Driver	5.3.10.1101 / 4.7.29.1101 / 4.7.29.1101
WS 2012 R2 & 2012 / 2008 iSCSI StorPort Driver	2.1.5.38(D) / 2.1.5.38(B)
<b>CN1100E (BK835A) (PCI-e) / 554FLR (FlexibleLOM, 629142-B21)</b> <sup>5</sup>	
FW	4.9.416.0
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
WS 2012 R2 & 2012 / 2008 NIC Driver	10.0.430.1109
WS 2012 R2 & 2012 / 2008 iSCSI StorPort Driver	4.9.160.0
<b>CN1100R (QW990A) (PCI-e) / 534FLR (700751-B21)</b>	
FW	7.8.75.0
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	7.10.3.0
WS 2012 R2 & 2012 / 2008 NIC Driver	7.10.6.0
WS 2012 R2 & 2012 / 2008 iSCSI StorPort Driver	7.10.0.0
10GbE HP BladeSystem Converged Network Adapters (HP Branded)	
<b>NC551m (580151-B21) &amp; NC551i</b> (PCI-e)	iSCSI support only
<b>534FLB (700741-B21) / 534M (700748-B21)</b> (PCI-e)	
FW	7.8.75.0
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	7.10.3.0
WS 2012 R2 & 2012 / 2008 NIC Driver	7.10.6.0
WS 2012 R2 & 2012 / 2008 iSCSI StorPort Driver	7.10.0.0
<b>NC553m (613431-B21) / NC553i / 554M (647590-B21) / 554FLB (647586-B21)</b> (PCI-e) <sup>5</sup>	
FW	4.9.416.0
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
WS 2012 R2 & 2012 / 2008 NIC Driver	10.0.430.1109-2
WS 2012 R2 & 2012 / 2008 iSCSI StorPort Driver	4.9.160.0
16Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)	
<b>SN1000Q (QW971A/QW972A)</b> (PCI-e)	
FW	6.07.02
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24(OOB) / 9.1.11.20(OOB)
<b>SN1000E (QR558A/QR559A)</b> (PCI-e)	
FW	1.1.65.101
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>SN1100E 1p/2p (C8R38A/C8R39A) Emulex</b> (LPe16000B/LPe16002B) (PCI-e)	
FW	1.1.65.101
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
16Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters	
<b>LPe1605 (710608-B21)</b> (PCI-e)	
FW	1.1.65.101
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>QMH2672(710608-B21)</b> (PCI-e)	
FW	6.07.02
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	9.1.11.24(OOB) / 9.1.11.20(OOB)

Windows (x64/x86)	
Direct Attached and SAN Support	Version
8Gb Fibre Channel Host Bus Adapters <sup>3</sup> (HP Branded / Third Party)	
<b>81Q (AK344A) / QLogic QLE2560 &amp; 82Q (AJ764A) / QLogic QLE2562</b> (PCI-e)	
FW	5.09.00
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24(OOB) / 9.1.11.20(OOB)
<b>81E (AJ762A/B) / Emulex LPe12000 &amp; 82E (AJ763A/B) / Emulex LPe12002</b> (PCI-e)	
FW	2.01a12
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>81B (AP769A/B) / Brocade 815 &amp; 82B (AP770A/B) / Brocade 825</b> (PCI-e) <sup>4</sup>	
FW 2012 R2 / WS 2012 / 2008	3.2.3.1 / 3.2.1.0 / 3.2.1.0
WS 2012 R2 / WS 2012 / 2008 FC StorPort Driver	3.2.3.1 / 3.2.1.0 / 3.2.1.0
8Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters	
<b>QMH2572 (651281-B21) / QMH2562 (451871-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	5.06.04
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24(OOB) / 9.1.11.20(OOB)
<b>LPe1205A (659818-B21) / LPe1205 (456972-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	2.02x6
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>804 (590647-B21)</b> (PCI-e) for HP BladeSystem c-Class <sup>4</sup>	
FW 2012 R2 / WS 2012 / 2008	3.2.3.1 / 3.2.1.0 / 3.2.1.0
WS 2012 R2 / WS 2012 / 2008 FC StorPort Driver	3.2.3.1 / 3.2.1.0 / 3.2.1.0
4Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)	
<b>FC2142SR (A8002A/B) / Emulex LPe1150 &amp; FC2242SR (A8003A/B) / Emulex LPe11002</b> (PCI-e)	
FW	2.82x4
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>FC1142SR (AE311A) / QLogic QLE2460 &amp; FC1242SR (AE312A) / QLogic QLE2462</b> (PCI-e)	
FW	5.03.15
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24 / 9.1.11.20
<b>41B (AP767A/B) / Brocade 415 &amp; 42B (AP768A/B) / Brocade 425</b> (PCI-e) <sup>4</sup>	
FW 2012 R2 / WS 2012 / 2008	3.2.3.1 / 3.2.1.0 / 3.2.1.0
WS 2012 R2 / WS 2012 / 2008 FC StorPort Driver	3.2.3.1 / 3.2.1.0 / 3.2.1.0
<b>FC2143 (AD167A) / Emulex LP1150 &amp; FC2243 (AD168A) / Emulex LP11002</b> (PCI-X 2.0)	
FW	2.82x4
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>FC1143 (AB429A) / QLogic QLA2460 &amp; FC1243 (AE369A) / QLogic QLA2462</b> (PCI-X 2.0)	
FW	5.03.15
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24(OOB) / 9.1.11.20(OOB)
4Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters <sup>3</sup>	
<b>LPe1105 (403621-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	2.82x4
WS 2012 R2 & 2012 / 2008 FC StorPort Driver	2.76.3.1 (OOB)
<b>QMH2462 (403619-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	5.03.15
WS 2012 R2 & 2012 / 2008 FC StorPort Driver <sup>6</sup>	9.1.11.24(OOB) / 9.1.11.20(OOB)

Notes:

- Supports HP StoreEasy: 5530, 3830, 3830 Storage Blade, 1830, 1630, 1530, 1430 and 3Par StoreServ File Controller Storage; HP StoreEasy: 3840, 3840 Storage Blade, 1840, 1640, 1540, 1440 and 3Par StoreServ File Controller v2 Storage
- Supports Messaging Systems E5300, E5500, E5700; HP StoreEasy: 5530, 3830, 3830 Storage Blade, 1830, 1630, 1530, 1430; HP StoreEasy: 3840, 3840 Storage Blade, 1840, 1640, 1540, 1440 and HP Network Storage Systems X5520 G2, X3800sb G2 1, X3800 G2, X3400 G2, X3000 G2, X1800 G2
- Third Party adapters require HP drivers and firmware.
- Loop mode is now available on the 81B, 82B, 42B, 41B adapters as of v 3.1.2.0, but has not been verified with StoreOnce VTL and StoreEver.
- Minimum Support for StoreOnce G2 products requires code to be greater than v2.3.1
- There is a potential for network interruption when using QLogic StorPort driver 9.1.11.20 or 9.1.11.24 during the reboot or FW update of StoreOnce or StoreEver products. It is recommended that the StoreOnce and StoreEver product be disabled or disconnected from the network during reboot or FW update.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

**IMPORTANT:** Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

Windows (x64/x86) SAS & SCSI Support	
SAS Support	Version
<b>Operating Systems</b>	
Windows Server 2012 R2 & 2012 x64 (Windows Storage Server 2012 / 2012 R2) <sup>1</sup>	✓
Windows Server 2008 R2 x64 (Windows Storage Server 2008 R2) <sup>2</sup>	sp1
Windows Server 2008 x64 / x86	sp2
<b>Servers</b>	
HP ProLiant & BladeSystem c-Class	✓
HP StoreEasy Storage <sup>1</sup>	✓
HP E5000 G2 Messaging Systems <sup>2</sup>	✓
Third Party	✓
<b>SAS Host Bus Adapters and Controllers</b>	
<b>P830, P430, P431 HP SAS Smart Array Controller (12Gb, PCI-e)</b>	
FW	1.62
WS 2012 R2 & WS 2012 CISSS2 Driver	62.4.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.4.0.64 / 6.4.0.32
<b>P822, P222, P420 <sup>5</sup>, P421 HP SAS Smart Array Controller (6Gb, PCI-e)</b>	
FW	5.42
WS 2012 R2 & 2012 CISSS2 Driver	62.28.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>H220, H221, H222 HP Host Bus Adapter (6Gb, PCI-e)</b>	
FW	15.10.07.00
WS 2012 R2 & 2012 LSI_SAS2 Driver	2.68.64.0
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 LSI_SAS2 Driver	2.68.64.0
<b>P812, P212, P410 <sup>5</sup>, P411 HP SAS Smart Array Controller (6Gb, PCI-e)</b>	
FW	6.5
WS 2012 R2 & 2012 CISSS2 Driver	62.28.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>P800 HP SAS Smart Array Controller (3Gb, PCI-e)</b>	
NC551m (580151-B21) & NC5511 (PCI-e)	7.24B
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>SC44Ge HP Host Bus Adapter (3Gb, PCI-e)</b>	
FW	01.23.45.00
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 LSI_SAS Driver	1.28.2.1( C ) / 1.28.2.1 (B)
<b>HP BladeSystem c-Class SAS Host Bus Adapters</b>	
<b>P731m SAS Smart Array Controller (6Gb, PCI-e) for BL Gen8 servers only</b>	
FW	1.62
WS 2012 R2 & WS 2012 CISSS2 Driver	62.4.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.4.0.64 / 6.4.0.32
<b>P721m SAS Smart Array Controller (6Gb, PCI-e) for BL Gen8 servers only</b>	
FW	5.42
WS 2012 R2 & 2012 CISSS2 Driver	62.28.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>P711m, P712m SAS Smart Array Controller (6Gb, PCI-e)</b>	
FW	6.5
WS 2012 R2 & 2012 CISSS2 Driver	62.28.0.64
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>P700m, P800 SAS Smart Array Controller (3Gb, PCI-e)</b>	
FW	7.24B
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 CISSS2 Driver	6.28.0.64/ 6.28.0.32
<b>LPe1605 (710608-B21) (PCI-e)</b>	
<b>LSI 9212-4i4e (6Gb, PCI-e) <sup>6</sup></b>	
FW	19.00.00.00
WS 2012 R2 & 2012 CISSS2 Driver	2.00.72.00
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 Driver	2.00.72.00 / 2.00.72.00
<b>SCSI Host Bus Adapters and Controllers <sup>7</sup></b>	
<b>412911-B21 (HP SC11Xe, Ultra320, PCI-e, 1 channel) <sup>4</sup></b>	
FW	5.05.21.0
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 Driver	1.34.2.5
<b>SCSI - Third Party HBAs and Integrated Controllers <sup>3</sup></b>	
<b>ATTO Express PCI UL5D (Ultra320, PCI-e, 2 channel)</b>	
FW	2009_4_10
WS 2008 x64 / WS 2008 x86 Driver	3.16

## NOTES

- 1) Supports HP StoreEasy: 5530, 3830, 3830 Storage Blade, 1830, 1630, 1530, 1430 and 3Par StoreServ File Controller Storage; HP StoreEasy: 3840, 3840 Storage Blade, 1840, 1640, 1540, 1440 and 3Par StoreServ File Controller v2 Storage
- 2) Supports Messaging Systems E5300, E5500, E5700; HP StoreEasy: 5530, 3830, 3830 Storage Blade, 1830, 1630, 1530, 1430; HP StoreEasy: 3840, 3840 Storage Blade, 1840, 1640, 1540, 1440 and HP Network Storage Systems X5520 G2, X3800s G2 1, X3800 G2, X3400 G2, X3000 G2, X1800 G2
- 3) Third Party SCSI HBA support is for HP servers only.
- 4) Supported on Windows 2012 but not supported on Windows 2012 R2
- 5) SAS Expander card 468406-B21 is required to connect external tape.
- 6) Recommended for use with HP workstations and third party servers.
- 7) Third party servers supported with HP-branded adapters only.

IMPORTANT: Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

Linux (x64 / x86)	
Direct Attached and SAN Support	Version
Operating Systems	
RHEL [AS/ES/WS] 6 (x64 / x86) <sup>1</sup>	Update 5
RHEL [AS/ES/WS] 5 (x64 / x86) <sup>1,2</sup>	Update 10
SLES 11 (x64 / x86)	SP3
Servers	
HP ProLiant & BladeSystem c-Class	✓
Third Party	✓
10GbE Converged Network Adapters (HP Branded)	
<b>CN1000E (AW520A)</b> (PCI-e)	iSCSI support only
<b>CN1000Q (BS668A) / 526FLR (629138-B21)</b> (PCI-e)	
FW <sup>3</sup>	4.14.26
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
RHEL 5,6, SLES 11 iSCSI Driver	5.0.29.5.1-1
RHEL 5,6, SLES 11 iSCSI Driver	5.03.01.11-3
<b>CN1100E (BK835A) (PCI-e) / 554FLR (FlexibleLOM, 629142-B21)</b>	
FW <sup>3</sup>	4.9.416.0
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver <sup>5</sup>	8.3.7.39
SLES 11 FC driver	8.3.7.39
RHEL 5,6, SLES 11 NIC Driver	4.9.311.1-1
RHEL 5 iSCSI Driver	4.9.196.1007-1
RHEL 6, SLES 11 iSCSI Driver	4.9.311.4-1
<b>CN1100R (QW990A) (PCI-e) / 534FLR (700751-B21)</b>	
<b>NC551m (580151-B21) &amp; NC551i</b> (PCI-e)	7.10.8
RHEL 5 FC driver <sup>4</sup>	7.10.12-2
RHEL 6 FC driver <sup>5</sup>	7.10.12-2
SLES 11 FC driver	7.10.12-2
RHEL 6, SLES 11 NIC Driver	1.78.80
RHEL 6, SLES 11 iSCSI Driver	0.7.8.1e-1
10GbE HP BladeSystem Converged Network Adapters (HP Branded)	
<b>NC551m (580151-B21) &amp; NC551i</b> (PCI-e)	iSCSI support only
<b>NC553m (613431-B21) / NC553i / 554M (647590-B21) / 554FLB (647586-B21)</b> (PCI-e)	
FW <sup>3</sup>	4.9.311.20
RHEL 5 FC driver <sup>4</sup>	7.10.12-2
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
RHEL 5,6, SLES 11 NIC Driver	4.9.311.1-1
RHEL 5 iSCSI Driver	4.9.196.1007-1
RHEL 6, SLES 11 iSCSI Driver	4.9.311.4-1
<b>NC534M (700748-B21) / 534FLB (700741-B21)</b> (PCI-e)	
FW <sup>3</sup>	7.10.8
RHEL 5 FC driver <sup>4</sup>	7.10.12-2
RHEL 6 FC driver <sup>5</sup>	7.10.12-2
SLES 11 FC driver	7.10.12-2
RHEL 6, SLES 11 NIC Driver	1.78.80
<b>LPe1605 (710608-B21)</b> (PCI-e)	0.7.8.1e-1
16Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party)	
<b>SN1000Q (QW971A, QW972A)</b> (PCI-e)	
RHEL 5, 6 FW	6.07.02
SLES 11 FW	6.02.20
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)

Linux (x64 / x86)	
Direct Attached and SAN Support	Version
16Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party) continued	
<b>SN1000E (QR558A/QR559A)</b> (PCI-e)	
FW	1.1.65.101
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>SN1100E (C8R38A/C8R39A)</b> Emulex (LPe16000B/LPe16002B) (PCI-e)	
FW	1.1.65.101
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
16Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters	
<b>LPe1605 (710608-B21)</b>	
FW	1.1.65.101
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>QMH2672(710608-B21)</b> (PCI-e)	
FW	6.07.02
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
8Gb Fibre Channel Host Bus Adapters (HP Branded / Third Party) <sup>6</sup>	
<b>81Q (AK344A) / QLogic QLE2560 &amp; 82Q (AJ764A) / QLogic QLE2562</b> (PCI-e)	
FW	5.09.00
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
<b>81E (AJ762A &amp; AJ762B) / Emulex LPe12000 &amp; 82E (AJ763A &amp; AJ763B) / Emulex LPe12002</b>	
FW	2.01a12
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>81B (AP769A &amp; AP769B) / Brocade 815 &amp; 82B (AP770A &amp; AP770B) / Brocade 825</b> (PCI-e) <sup>7</sup>	
FW	3.2.1.0
RHEL 5 FC driver <sup>4</sup>	3.0.23.0 (Inbox)
RHEL 6 FC driver	3.2.1.0(OOB)
SLES 11 FC driver	3.2.1.0(OOB)
8Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters <sup>6</sup>	
<b>QMH2572 (651281-B21) / QMH2562 (451871-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	5.09.00
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
<b>LPe1205A (659818-B21) / LPe1205 (456972-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	2.02x6
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>804 (590647-B21)</b> (PCI-e) for HP BladeSystem c-Class <sup>7</sup>	
FW	3.2.1.0(OOB)
RHEL 5 FC driver <sup>4</sup>	3.0.23.0 (Inbox)
RHEL 6 FC driver	3.2.1.0(OOB)
SLES 11 FC driver	3.2.1.0(OOB)

Linux (x64 / x86) <sup>5</sup>	
Direct Attached and SAN Support	Version
4Gb Fibre Channel Host Bus Adapters <sup>6</sup> (HP Branded / Third Party)	
<b>FC1142SR (AE311A) / QLogic QLE2460 &amp; FC1242SR (AE312A) / QLogic QLE2462</b> (PCI-e)	
FW	5.03.15
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
<b>FC2142SR (A8002A) / Emulex LPe1150 &amp; FC2242SR (A8003A) / Emulex LPe11002</b> (PCI-e)	
FW	2.82x4
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>41B (AP767A/B) / Brocade 415 &amp; 42B (AP768A/B) / Brocade 425</b> (PCI-e) <sup>7</sup>	
FW	3.2.1.0(OOB)
RHEL 5 FC driver <sup>4</sup>	3.0.23.0 (Inbox)
RHEL 6 FC driver	3.2.1.0(OOB)
SLES 11 FC driver	3.2.1.0(OOB)
<b>FC1143 (AB429A) / QLogic QLA2460 &amp; FC1243 (AE369A) / QLogic QLA2462</b> (PCI-X 2.0)	
FW	5.03.15
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)
<b>FC2143 (AD167A) / Emulex LP1150 &amp; FC2243 (AD168A) / Emulex LP11002</b> (PCI-X 2.0)	
FW	2.82x4
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
4Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters <sup>6</sup>	
<b>LPe1105 (403621-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	2.82x4
RHEL 5 FC driver <sup>4</sup>	8.2.2.33
RHEL 6 FC driver	8.3.7.39
SLES 11 FC driver	8.3.7.39
<b>QMH2462 (403619-B21)</b> (PCI-e) for HP BladeSystem c-Class	
FW	5.03.15
RHEL 5 FC driver <sup>4</sup>	8.04.00.12.5.6-k2 (OOB)
RHEL 6 FC driver	8.05.00.03.06.5-k2 (Inbox)
SLES 11 FC driver	8.04.00.12.11.3-k4(OOB)

NOTES

- RHEL kernel versions include support for Oracle Enterprise Linux (OEL).
- Only in-box HBA drivers and device-mapper multipathing are supported with RHEL 5 Update 3, SLES 10 SP3 and newer.
- Minimum FW required for FCoE support.
- arcserve Backup: In RHEL 5 when the 'udev' service is starting it will send a rewind command to a unreserved loaded tape drive in the shared SAN Environment.
- arcserve Backup: If using the Emulex OCM (One Command Manager), DO NOT enable "sensor kits" during OCM installation.
- Third Party adapters require HP drivers and firmware.
- Loop mode is now available on the 81B, 82B, 42B, 41B adapters as of v 3.1.2.0, but has not been verified with StoreOnce VTL and StoreEver.



# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

**IMPORTANT:** Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

Linux (x64_x86) SAS & SCSI	
SAS Support	Version
Operating Systems	
RHEL [AS/ES/WS] 6 (x64 / x86) <sup>1</sup>	Update 5
RHEL [AS/ES/WS] 5 (x64 / x86) <sup>1</sup>	Update 10
SLES 11 (x64 / x86)	SP3
Servers	
HP ProLiant & BladeSystem c-Class	✓
Third Party	✓
SAS Host Bus Adapters and Controllers	
<b>P830, P430, P431 HP SAS Smart Array Controller (12Gb, PCI-e)</b>	
FW	1.62
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 HPSA driver	3.4.4-125
SLES 11 HPSA driver	3.4.4-125
<b>P822, P222, P420 <sup>2</sup>, P421 HP SAS Smart Array Controller (6Gb, PCI-e)</b>	
FW	5.42
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 driver	3.4.4-125
SLES 11 HPSA driver	3.4.4-125
<b>H220, H221, H222 HP Host Bus Adapter (6Gb, PCI-e)</b>	
FW	15.10.07.00
RHEL 5 MPT2SAS driver	15.10.02.00-6
RHEL 6 MPT2SASdriver	15.10.02.00-8
SLES 11 MPT2SAS driver	15.10.02.00-6
<b>P812, P212, P410 <sup>2</sup>, P411 HP SAS Smart Array Controller (6Gb, PCI-e) <sup>5</sup></b>	
FW	6.5
<b>NC551m (580151-B21) &amp; NC551i (PCI-e)</b>	3.6.28-24
RHEL 6 HPSA driver	3.4.4-125
SLES 11 CCISS driver	4.6.28-24
<b>P800 HP SAS Smart Array Controller (3Gb, PCI-e)</b>	
FW	7.24B
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 CCISS driver	4.6.28-24
SLES 11 CCISS driver	4.6.28-24
<b>SC44Ge HP Host Bus Adatper (3Gb, PCI-e)</b>	
FW	01.23.45.00
WS 2008 R2 & WS 2008 x64 / WS 2008 x86 LSI_SAS	1.28.2.1( C ) / 1.28.2.1 ( B)
HP BladeSystem c-Class SAS Host Bus Adapters	
<b>P731m SAS Smart Array Controller (6Gb, PCI-e) for BL Gen8 servers only <sup>6</sup></b>	
FW	1.62
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 HPSA driver	3.4.4-125
SLES 11 HPSA driver	3.4.4-125
<b>P721m SAS Smart Array Controller (6Gb, PCI-e) for BL Gen8 servers only</b>	
FW	5.42
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 driver	3.4.4-125
SLES 11 HPSA driver	3.4.4-125
<b>LPe1605 (710608-B21) (PCI-e)</b>	
FW	6.5
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 HPSA driver	3.4.4-125
SLES 11 CCISS driver	4.6.28-24
<b>P700m, P800 SAS Smart Array Controller (3Gb, PCI-e)</b>	
FW	7.24B
RHEL 5 CCISS driver	3.6.28-24
RHEL 6 CCISS driver	4.6.28-24
SLES 11 CCISS driver	4.6.28-24

Linux (x64_x86) SAS & SCSI	
	Version
SAS - Third Party HBAs and Integrated Controllers	
<b>LSI 9212-4i4e (6Gb, PCI-e) <sup>3</sup></b>	
FW	19.00.00.00
RHEL 5 CCISS driver	2.6.18-371
RHEL 6 HPSA driver	2.6.32-431
SLES 11 HPSA driver	3.0.76-0.11
SCSI Host Bus Adapters and Controllers	
<b>412911-B21 (HP SC11Xe, Ultra320, PCI-e, 1 channel) <sup>4</sup></b>	
FW	5.05.21.0
RHEL 5 CCISS driver (Supported to 5.7 only)	4.00.13.09-6
RHEL 6 HPSA driver (Support to RHEL 6.1 Only)	4.00.13.09-3
SCSI - Third Party HBAs and Integrated Controllers <sup>8</sup>	
<b>ATTO Express PCI UL5D (Ultra320, PCI-e, 2 channel)</b>	
FW	2009_4_10
RHEL 5 CCISS driver	1.11
RHEL 6 HPSA driver	
SLES 11 HPSA driver	

## NOTES CONTINUED

- 1) RHEL kernel versions include support for Oracle Enterprise Linux (OEL).
- 2) SAS Expander card 468406-B21 is required to connect external tape.
- 3) Recommended for use with HP workstations and third party servers.
- 4) Third party servers supported with HP-branded adapters only.
- 5) IBM TSM and EMC NetWorker: P212 Zero Memory HBA supported with v7.6.1.1 or later.  
For NetWorker 7.5.4, supported with v7.5.4.6 or later.
- 6) Not supported by SLES 10

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

IMPORTANT: Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

## Solaris

Direct Attached and SAN Support	Version
Operating Systems	
Solaris 11 x64	Update 1
Solaris 11 SPARC	Update 1
Solaris 10 x86/x64 <sup>4</sup>	Update 11
Solaris 10 SPARC	Update 11
Solaris 9	Update 9
Servers	
Oracle SPARC	✓
HP ProLiant & HP ProLiant BladeSystem c-Class	✓
10GbE Converged Network Adapters <sup>2</sup> (HP Branded)	
<b>CN1000E (AW520A)</b> (PCI-e)	iSCSI support only
<b>CN1100E (BK835A)</b> (PCI-e)	iSCSI support only
10GbE HP BladeSystem Converged Network Adapters <sup>2</sup> (HP Branded)	
<b>NC551m (580151-B21) &amp; NC551i</b> (PCI-e)	iSCSI support only
<b>NC553m (613431-B21) / NC553i / 554FLR (629142-B21) / 554M (647590-B21) / 554FLB (647586-B21)</b> (PCI-e)	iSCSI support only
8Gb Fibre Channel Host Bus Adapters <sup>2</sup>	
<b>SG-XPCIE1FC-EM8-Z / SG-XPCIE2FC-EM8-Z</b> & Emulex <b>LPe12000 / LPe12002 &amp; 81E (AJ762A &amp; AJ762B) / 82E (AJ763A &amp; AJ763B)</b>	
Firmware	1.11a5
Solaris Driver	2.60k
<b>SG-XPCIE1FC-QF8-Z / SG-XPCIE2FC-QF8-Z</b> & QLogic <b>QLE2560 / QLE2562 &amp; 81Q (AK344A) / 82Q (AJ764A)</b> (PCI-e)	
Firmware	5.06.04
Solaris Driver	20120717-4.01
4Gb Fibre Channel Host Bus Adapters <sup>2</sup>	
<b>SG-XPCIE1FC-EM4 / SG-XPCIE2FC-EM4</b> & Emulex <b>LPe11000 / LPe11002 &amp; FC2142SR (A8002A) &amp; FC2242SR (A8003A)</b> (PCI-e)	
Solaris Driver <sup>5</sup>	Native
<b>NC551m (580151-B21) &amp; NC551i</b> (PCI-e)	
Solaris Driver <sup>5</sup>	Native
<b>SG-XPCH1FC-EM4-Z / SG-XPCIE2FC-EM4-Z</b> & Emulex <b>LP11000 / LP11002 &amp; FC2143 (AD167A) &amp; FC2243 (AD168A)</b> (PCI-X 2.0)	
Solaris Driver	Native
<b>SG-XPCH1FC-QF4 / SG-XPCIE2FC-QF4</b> & QLogic <b>QLA2460 / QLA2462 &amp; FC1143 (AB429A) &amp; FC1243 (AE369A)</b> (PCI-X 2.0)	
Solaris Driver	Native
<b>SG-XPCIE2FCGBE-E-Z</b> (PCI-e)	
Solaris Driver <sup>1</sup>	Native
4Gb HP BladeSystem c-Class Fibre Channel Host Bus Adapters <sup>2</sup>	
<b>LPe1105 (403621-B21)</b> (PCI-e) for HP BladeSystem c-Class	
Solaris Driver <sup>3</sup>	Native
<b>QMH2462 (403619-B21)</b> (PCI-e) for HP BladeSystem c-Class	
Solaris Driver <sup>3</sup>	Native

## Solaris

Direct Attached and SAN Support	Version
SAS Host Bus Adapters and Controllers	
<b>P711m</b> (6Gb, PCI-e, 8 channel)	✓
<b>P712m</b> (6Gb, PCI-e, 6 channel)	✓
<b>P212, P410, P411 &amp; P700m</b> (3Gb, PCI-e, 8 channel) <sup>8</sup>	✓
<b>SG-XPCIE8SAS-E-Z</b> (PCI-X) <sup>7</sup>	✓
<b>SG-XPCIE8SAS-E-Z</b> (PCI-e) <sup>7</sup>	✓
SAS 3rd Party Host Bus Adapters	
<b>LSI 9212-4i4e</b> (6Gb, PCI-e) <sup>5,6</sup>	✓
SCSI Host Bus Adapters <sup>7</sup>	
<b>SGXPC1SCSILM320-Z</b> (Ultra320, PCI-X, 1 Channel)	✓
<b>SG-XPCIE2SCSIU320Z</b> (Ultra320, PCI-e, 2 Channel)	✓

### NOTES:

- Supported with Solaris 10 on Oracle Sun Blade platform only.
- HP branded HBAs supported on ProLiant only.
- Supported with Solaris 10 x86/x64 only.
- Supported with Solaris 10 x64 only. (AMD64 and Intel EM64T)
- Supported with Solaris 10.x only.
- SAS supported for Solaris SPARC/x64 with NWR 8.1 or later.
- Support for Oracle servers only.
- Supported with Solaris 10 x64 Update 8 (10/09) or newer with MSL SAS direct attach.

# HP Data Agile BURA Compatibility Matrix - BackUp, Recovery & Archive

**IMPORTANT:** Consult your ISV / IHV vendor's compatibility guide(s) to confirm ISV / IHV product and operating system version support details. See 'Software Partner Support' Page for hyperlinks to partners websites.

AIX (Power)	
Direct Attached and SAN Support	Version
Operating Systems	
AIX 7.1 <sup>1,2</sup>	TL3
AIX 6.1 <sup>1,2</sup>	TL9
Servers	
IBM pSeries	✓
8Gb Fibre Channel Host Bus Adapters	
IBM <b>EN0Y</b> (PCI-e2, Quad Port)	
AIX Driver	Native
IBM <b>5729</b> (PCI-e2, Quad Port)	
AIX Driver	Native
IBM <b>5735</b> (PCI-e, Dual Port)	
AIX Driver	Native
IBM <b>5273</b> (PCI-e, Dual Port)	
AIX Driver	Native

AIX (Power)	
Direct Attached and SAN Support	Version
4Gb Fibre Channel Host Bus Adapters	
IBM <b>5773</b> (PCI-e) IBM <b>5774</b> (PCI-e)	
AIX Driver <sup>3</sup>	Native <sup>2</sup>
IBM <b>1905</b> (PCI-X 2.0) IBM <b>5758</b> (PCI-X 2.0)	
AIX Driver	Native <sup>1</sup>
IBM <b>5759</b> (PCI-X 2.0)	
AIX Driver	Native <sup>1</sup>

## NOTES:

- 1) DataProtector: Robot control is not supported
- 2) NetBackup: Robot control must be on a different OS-platform (other than AIX).
- 3) Supported with AIX 6.1 only.

## OpenVMS

For the latest information on the enterprise backup strategy for HP OpenVMS click the appropriate links below:

Enterprise Backup Utilities and Products

<http://h71000.www7.hp.com/openvms/storage/enterprise.html>

Tape and Virtual Library Connectivity

[http://h71000.www7.hp.com/openvms/storage/smstape\\_matrix.html](http://h71000.www7.hp.com/openvms/storage/smstape_matrix.html)

Supported Networking

[http://h71000.www7.hp.com/openvms/integrity/integrity\\_io\\_options.html](http://h71000.www7.hp.com/openvms/integrity/integrity_io_options.html)

Storage Area Network (SAN) Support	
StoreFabric SAN Switches <sup>1,3</sup>	Firmware Streams
B-series <sup>4</sup>	
HP SN8000B SAN Director Switch, SN6500B, SN6000B & SN3000B Fibre Channel Switch	7.2.1a, 7.1.2a, 7.0.2e
HP Encryption SAN Switch and FS8-18 FC Blade	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
HP DC SAN Backbone Director, HP DC04 SAN Director	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
HP SAN Director 4/256	6.4.3f, 6.3.2d
HP 8/8, 8/24, 8/40, 8/80 SAN Switches	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
HP 4/8, 4/16 SAN Switches	6.2.2f
HP 4/32B, 4/64 SAN Switches	6.4.3f, 6.3.2d
Brocade 4Gb SAN Switch for HP c-Class BladeSystem (4/12 and 4/24)	6.2.2f
Brocade 8Gb SAN Switch for HP BladeSystem c-Class (8/12c and 8/24c)	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
Brocade 16Gb SAN Switch for HP BladeSystem c-Class	7.2.1a
Brocade 8Gb embedded SAN Switch for EVA4400	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
C-series	
HP SN8500C Director, HP C-Series Family (MDS 9710)	6.2(7) <sup>8</sup>
HP SN8000C Directors, HP C-series Family (MDS 9506/ MDS 9509/ MDS 9513)	6.2(7), 5.2(8d), 4.2(9)
HP SN6000C 8Gb Fibre Channel Switch (MDS 9148)	6.2(7), 5.2(8d)
HP C-series Nexus 50x0 Converged Network Switch	5.2(1)N1(7)
Cisco Nexus 5548UP / 5596UP Converged Network Switch	6.0(2)N2(3), 5.2(1)N1(7)
Cisco MDS 9124, 9124e, 9134	4.2(9)
Cisco MDS 9222i, 9506, 9509, 9513	6.2(7), 5.2(8d), 4.2(9)
Cisco MDS 8Gb Fabric Switch for HP BladeSystem c-Class	6.2(7), 5.2(8d)
H-series	
HP SN6000 Stackable Fibre Channel Switch <sup>6</sup>	8.0.14.08.00
HP 8/20q Fibre Channel Switch <sup>6</sup>	8.0.14.08.00
Multi-Protocol Routers, Gateways, and Virtual Connect <sup>1</sup> (All Series)	
HP FlexFabric 5900CP Switch (JG838A)	R2310
HP Virtual Connect FlexFabric 10/24 Enterprise Edition for Class Systems (605865-B21)	4.20b
HP Virtual Connect FlexFabric 10Gb/24-Port Module for c-Class BladeSystem (571956-B21)	4.20b
HP 2408 FCoE Converged Network Switch	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
HP 1606 Extension SAN Switch <sup>2</sup> and DC SAN Director Switch Multiprotocol Extension Blade <sup>2</sup>	7.2.1a, 7.1.2a, 7.0.2e, 6.4.3f, 6.3.2d
HP 4Gb Fibre Channel Pass-Thru Module for c-Class Bladesystem	2.10.3
HP 4Gb/8Gb 20 Port Virtual Connect FC Module (VC-FC)	4.20b
HP 8Gb 24-Port Virtual Connect FC Module (VC-FC)	4.20b
HP Multi-Protocol Router Blade <sup>5,7</sup>	6.4.3f, 6.3.2d
SAS Switches	
HP 3Gb SAS BL Switch	2.2.17.0
HP 6Gb/s SAS BL Switch	4.0.1.0

**NOTES:**

- 1) Refer to [HP SAN Design Reference Guide](#) for more configuration details
- 2) Tape Pipelining supported
- 3) Recommended minimum versions for various supported code streams.
- 4) Access Gateway (AG) mode supported. See [SPOCK](#) for detailed support information.
- 5) Tape Pipelining not supported.
- 6) Platform support is restricted. Please reference the switches' QuickSpec on [www.hp.com/go/gq](http://www.hp.com/go/gq) for supported operating systems and host bus adapters.
- 7) Supported for FC-IP SAN-to-SAN interconnect only.
- 8) StoreOnce requires version 3.11.1 & later system software

Virtual Machine Support

The table below shows tape support for virtualization products and where to get details on supported interfaces.

VM Data Protection Partners	HP Data Protector	arcserve Backup	CommVault Simpana	EMC NetWorker	IBM Tivoli Storage Manager	Symantec Backup Exec	Symantec NetBackup
For detailed support see Partner support websites	<a href="#">HP Data Protector Virtualization Support Matrix</a>	<a href="#">arcserve Backup Compatibility Matrix</a>	<a href="#">CommVault Simpana VMware Compatibility</a> <a href="#">CommVault Simpana Hyper-V Compatibility</a>	<a href="#">EMC NetWorker Software Compatibility Guide</a>	<a href="#">IBM TSM Support for Virtual Machines</a>	<a href="#">Symantec Backup Exec Software Compatibility</a>	<a href="#">Symantec NetBackup in Virtual Environments</a>

Virtual Machine Tape/VTL/NAS Support

VM Product	Direct Attached SCSI	Direct Attached SAS	FC SAN	iSCSI SAN	StoreOnce NAS	StoreOnce Catalyst	Support Notes
Citrix XenServer Host		No					No support statement for tape at this time.
Citrix XenServer Guest VM		No		Yes	Yes	Yes	For iSCSI tape devices the iSCSI software initiator must run in the VM operating system. D2D SAN shares must be accessed directly in the VM operating system, not attached through the hypervisor.
HPVM Host	Yes	No	Yes	Yes	Yes	Yes	Tape drive/media changer must not be attached to a guest VM while being used by the host.
HPVM Guest VM	Yes	No	Yes	Yes	Yes	Yes	Tape drive/media changer must only be attached to a single guest VM at a time.
Hyper-V Host	Yes	Yes	Yes	Yes	Yes	Yes	
Hyper-V Guest VM	No	No	No	Yes	Yes	Yes	For iSCSI tape devices and iSCSI media changer devices, the iSCSI software initiator must run in the VM operating system. D2D NAS shares must be accessed directly in the VM operating system, not attached through the hypervisor.
VMware ESX Host	Yes	No	No <sup>1</sup>	No <sup>1</sup>	No	No	Direct attached SCSI tape drive is multi-target only (no multi-LUN) and must not be attached to a VM while being used by the host. HP does not test or validate direct attached SCSI tape on VMware ESX/ESXi hosts and does not provide support for tape drives and tape libraries in such configurations. <a href="#">For ESX 4.1 Server tape support see ESX 4.1 Fibre Channel SAN Configuration Guide.</a> <a href="#">For ESX 5.0 Server tape support see the ESXi 5.0 vSphere Storage Guide.</a> <a href="#">For ESX 5.1 Server tape support see the ESXi 5.1 vSphere Storage Guide.</a> <a href="#">For ESX 5.5 Server tape support see the ESXi 5.5 vSphere Storage Guide</a>
VMware Guest VM	Yes	No	No	Yes	Yes	Yes	Direct attached SCSI tape drive is multi target only (no multi LUN) and must only be attached to a single VM at a time. For iSCSI tape devices and iSCSI media changer devices, the iSCSI software initiator must run in the VM operating system. D2D NAS shares must be accessed directly in the VM operating system, not attached through the hypervisor. HP does not test or validate direct attached SCSI tape on VMware guest VMs and does not provide support for tape drives and tape libraries in such configurations.
VMware vStorage API for Data Protection	Yes	Yes	Yes	Yes	Yes	Yes	See VM data protection partner links above for supported Windows and LINUX operating systems. Fibre Channel SANs and shared tape devices are limited to a physical backup server.

NOTES:

1) SAN tape devices (FC and iSCSI) are not supported directly by VMware ESX host. vStorage API for Data Protection use a backup server and virtual machine software snapshots to allow FC and iSCSI backups.

Legacy Device Support	
Device Name	Last Data Agile Matrix Where Device Was Listed <sup>1</sup>
HP-UX (PA-RISC) Platform	June 2014
D2D G1 StoreOnce Backup Systems	January 2014
EML E-Series Tape Libraries	December 2013
HP B-Series 4/32 SAN switch	July 2013
HP Virtual Library Systems (VLS)	June 2013
ESL E-Series Tape Library	June 2013
HP SAN Virtualization Services Platform (SVSP)	May 2013
Itanium support with Windows & Linux Operating Systems	February 2013
EFS Clustered Gateway G5 (PolyServe)	February 2013
HP DPX Backup Software	December 2012
MSL6000 Series Tape Libraries, NSR e1200-160, NSR e1200-320	August 2011
HP A, L, N, R and V Class PA-RISC Servers	May 2012
D2D100 Series Backup Systems	October 2009
ESL E-Series (SDLT 600), MSL6000 Series (SDLT 600)	September 2009
2Gb Fibre Channel HBAs and Infrastructure	August 2009
VLS6100, VLS6500 & VLS6800	April 2009
Ultrium 460 & 448 Drives, Ultrium 232 1/8 Autoloader, D2D110, VLS300, VLS1002i	November 2008
Network Storage Routers N1200 & M2402	July 2008
1/8 Autoloaders	December 2007
ESL9000 Series Tape Libraries	September 2007
ESL E-Series SDLT 160/320, ESL9000 Series SDLT 160/320, 1/8 Tape Autoloader (SDLT 160/320)	July 2007
Legacy OS Support	
SUSE Linux Enterprise Server 10	April 2014
AIX 5.3	Sept 2013
Tru64	July 2013
Windows Server 2003	October 2012
Red Hat Enterprise Linux 4	March 2012
HP-UX 11i v1 (11.11)	April 2011
SUSE Linux Enterprise Server 9	August 2010

**NOTES:**

1) Data Agile Matrices from the last several years can be found on <http://www.hp.com/go/ebs>.

Product Family	URL
HP StoreOnce Backup Systems	<a href="http://www.hp.com/go/storeonce">http://www.hp.com/go/storeonce</a>
HP StoreEver Tape Libraries	<a href="http://www.hp.com/go/tape">http://www.hp.com/go/tape</a>
HP StoreEver CVTL	<a href="http://www.hp.com/go/cvtl">http://www.hp.com/go/cvtl</a>
HP StoreEver Data Verification	<a href="http://www.hp.com/go/dataverification">http://www.hp.com/go/dataverification</a>
HP One Button Disaster Recovery (OBDR)	<a href="http://h18006.www1.hp.com/products/storageworks/drs/index.html">http://h18006.www1.hp.com/products/storageworks/drs/index.html</a>
HP StoreOpen (LTFS)	<a href="http://www.hp.com/go/storeopen">http://www.hp.com/go/storeopen</a>
HP StoreEver Tape Assure	<a href="http://www.hp.com/go/tapeassure">http://www.hp.com/go/tapeassure</a>
EBS Home Webpage	<a href="http://www.hp.com/go/ebs">http://www.hp.com/go/ebs</a>
HP StoreAll	<a href="http://www.hp.com/go/StoreAll">http://www.hp.com/go/StoreAll</a>
Library and Tape Tools (LTT)	<a href="http://www.hp.com/support/tapetools">http://www.hp.com/support/tapetools</a>
Storage Networking	<a href="http://www.hp.com/go/san">http://www.hp.com/go/san</a>
RAID Arrays	<a href="http://www.hp.com/go/arrays">http://www.hp.com/go/arrays</a>
Storage Software	<a href="http://h18006.www1.hp.com/storage/software.html">http://h18006.www1.hp.com/storage/software.html</a>
HP Data Protector	<a href="http://www.hp.com/go/dataprotector">http://www.hp.com/go/dataprotector</a>
Storage Media	<a href="http://www.hp.com/go/storagemedia">http://www.hp.com/go/storagemedia</a>
Firmware & Driver Downloads	<a href="http://welcome.hp.com/country/us/en/support.html">http://welcome.hp.com/country/us/en/support.html</a>
HP Support Center Website	<a href="http://h20566.www2.hp.com/portal/site/hpsc/public/">http://h20566.www2.hp.com/portal/site/hpsc/public/</a>
HP SAN Design Reference Guide	<a href="http://spock.corp.hp.com/spock/">http://spock.corp.hp.com/spock/</a>