

Site Recovery Manager Storage Partner Compatibility Matrix

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VMware Site Recovery Manager software has been tested and deployed in a variety of Storage Area Network (SAN) and Network Attached Storage (NAS) environments. This document lists the Storage Replication Adapters (SRAs) currently supported by VMware and its storage partners for SRM versions 4.0, 4.1 and 5.0. All certified SRAs automatically assume certification for update releases. For example, all SRAs certified for SRM 5.0 will be certified for 5.0.1. Please note that **NOT** all SRAs are certified for SRM 4.0, SRM 4.1 and SRM 5.0. Please note that the SRM 1.x and 4.0.x versions are now EOL per plan. Refer <https://www.vmware.com/support/policies/lifecycle/enterprise-application/index.html> for support details.

VMware works closely with each of its storage partners to drive towards mutual support of SRM at the time of announcement. Due to different product release cycles, levels of testing, and partner agreements, not all storage devices will be supported at the general availability date of a new version of SRM. We recommend contacting the storage vendor for the best information on when their device is planned to be certified with SRM.

Also note that the SRM compatibility matrix for a specific release only lists those arrays that are supported on the VMware SAN compatibility list (<http://www.vmware.com/resources/compatibility/search.php?deviceCategory=san>) with the corresponding version of ESX. So for example, storage array entries for SRM 5.0 will show only those arrays that are supported with ESXi 5.0. Contact the storage vendor for the full list of arrays supported with various combinations of SRM, SRA and vSphere releases.

The Storage Replication Adapters listed are software modules for Site Recovery Manager that are developed and supported by storage partners of VMware and are distributed by VMware with the permission of the storage partners. These Storage Replication Adapters have separate End User License Agreements (EULAs) that are included within the **downloads**. For more details about the Storage Replication Adapters and VMware vCenter Site Recovery Manager, please see the Site Recovery Manager EULA and documentation. Any issues found with the vendor provided SRAs are handled by the corresponding vendor as described in the 3rd party support documentation at [our support policies web page](#).

This section contains information on storage replication adapters from the following storage partners:

- [Dell Compellent](#)
- [Dell EqualLogic](#)
- [Dell PowerVault MD](#)
- [EMC](#)
 - [VNX](#)

- [CLARiiON \(SRM 4.x\)](#)
- [Isilon](#)
- [RecoverPoint Storage Replication Adapter 1.0 SP3](#)
- [RecoverPoint Storage Replication Adapter 2.0](#)
- [Symmetrix SRDF-A & SRDF-S Adapter](#)
- [FalconStor](#)
- [Fujitsu](#)
- [Hitachi, Ltd](#)
- [Hitachi Data Systems](#)

- [HP](#)
 - [EVA](#)
 - [XP](#)
 - [SVSP](#)
 - [P4000 \(LeftHand\)](#)
 - [HP 3PAR](#)

- [IBM](#)
 - [IBM DS3000/DS4000/5000 Series](#)
 - [IBM DS8000](#)
 - [IBM SVC](#)
 - [IBM XIV](#)
 - [IBM N series](#)
 - [IBM Storwize V7000](#)
 - [IBM SVC \(SRM 5.0\)](#)
 - [IBM Storwize V7000 \(SRM 5.0\)](#)

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- [NetApp](#)
 - [Netapp E-Series \(former LSI\)](#)
 - [NEC](#)
 - [Oracle \(former Sun Microsystems\)](#)
 - [Xiotech](#)

HP 3PAR

Table 1 Lists the 3PAR storage replication adapters supported by SRM

Partner name : HP		SRA Name : HP 3PAR Storage Replication Adapter Software for VMware vCenter SRM version 4.1			
		SRA Version : 4.1			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware name and Version	Management S/W name and version	Replication S/W name and version	SRM Version(s)
HP 3PAR F-Class Storage System	FC	InForm OS 2.3.1			4.0 4.1
HP 3PAR T-Class Storage System					
3PAR S400					
3PAR S800					
3PAR E200					
HP P10000 3PAR Storage System	FC	InForm OS 3.1.1	Shipped with Firmware	Shipped with Firmware	4.0 4.1
HP 3PAR F-Class Storage System					
HP 3PAR T-Class Storage System					
Please follow https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HP_3PAR_SRM to see the SRA listing on HP landing page					

Table 2 lists the **3PAR** storage replication adapters supported by SRM 5.0

Partner name : HP		SRA Name : HP 3PAR Storage Replication Adapter Software for VMware vCenter			
		SRA Version : 5.0			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
HP 3PAR F-Class Storage System	FC	InForm OS 2.3.1	Shipped with	Shipped with	5.0
HP 3PAR T-Class Storage System	iSCSI		Firmware	Firmware	
3PAR S400					
3PAR S800					
3PAR E200					
HP P10000 3PAR Storage System	FC	InForm OS 3.1.1	Shipped with	Shipped with	5.0
HP 3PAR F-Class Storage System	iSCSI		Firmware	Firmware	
HP 3PAR T-Class Storage System					

Dell Compellent

Table 3 lists the **Dell Compellent** storage replication adapters supported by SRM.

Compellent Storage Replicaton Adapter Version 3.3.1.5

Hardware Model	Protocol(s)	Firmware	Enterprise Manager	SRM Version(s)
Storage Center	FC, iSCSI	4.0 or higher	3.3 or Higher	4.0, 4.1

Table 4 lists the **Dell Compellent** storage replication adapters supported by SRM 5.0

Partner name : Dell Compellent		SRA Name : Dell Compellent SRM Storage Replication Adapter			
		SRA Version : 5.5.3			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
Storage Center	FC, iSCSI	5.5.3 and above	Enterprise Manager 5.5.4 and above	Enterprise Manager 5.5.4 and above	5.0

Dell EqualLogic

Table 5 lists the **Dell EqualLogic** storage replication adapters supported by SRM.

Dell EqualLogic Storage Replication Adapter Version 1.0.5¹

Hardware Models	Protocol(s)	Firmware	SRM Version(s)
All PS Series Arrays	iSCSI	3.2 and above	4.0, 4.1

1 - SRA does not support Dynamic Access Restrictions.

NOTE: WHEN USING iSCSI ARRAYS WITH ESX SERVER HOSTS, THE MAXIMUM NUMBER OF TARGETS PER HOST IS 64 AS DESCRIBED IN THE SAN COMPATIBILITY GUIDE FOR ESX SERVER 3.5 AND ESX SERVER 3I. HOWEVER, WHEN USING VMWARE SITE RECOVERY MANAGER, FAILOVER HOSTS WITH SOME CONFIGURATIONS HAVE A LIMIT OF APPROXIMATELY 23 RECOVERY LUNS. THIS LIMITATION APPLIES TO RECOVERY LUNS ONLY. SEE KB <http://kb.vmware.com/kb/1005867> for more information.

Table 6 lists the **Dell EqualLogic¹** (see **Footnote**) storage replication adapters supported by SRM 5.0

Partner name : Dell Inc		SRA Name : Dell EqualLogic Storage Replication Adapter			
		SRA Version : 2.1			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
EqualLogic PS4000E EqualLogic PS4000X EqualLogic PS4000XV EqualLogic PS4100E EqualLogic PS4100X EqualLogic PS4100XV EqualLogic PS5000E EqualLogic PS5000X EqualLogic PS5000XV EqualLogic PS5500E EqualLogic PS6000E EqualLogic PS6000S EqualLogic PS6000X EqualLogic PS6000XV EqualLogic PS6000XVS EqualLogic PS6010E EqualLogic PS6010S EqualLogic PS6010X EqualLogic PS6010XV EqualLogic PS6010XVS EqualLogic PS6100E EqualLogic PS6100S EqualLogic PS6100X EqualLogic PS6100XS	iSCSI	5.0.2 and above	Dell EqualLogic Group Manager (shipped with FW), HIT/VE Version 3.1.1 and above	N/A	5.0

EqualLogic PS6100XV
EqualLogic PS6500E
EqualLogic PS6500X
EqualLogic PS6510E
EqualLogic PS6510X
PS100E
PS200E
PS300E
PS3600X
PS3700X
PS3800XV
PS3900XV
PS400E
PS50E
PS70E

1. DELL SRA requires users to check for a potential failure of Re-Protect operation after a failover. The release notes for this SRA can be found as part of the download .zip bundle. Please contact DELL for the procedure to check for the failure and the manual workaround.
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Dell PowerVault MD

Table 7 Lists the Dell PowerVault MD storage replication adapters supported by SRM

Partner name : Dell		SRA Name : Dell PowerVault MD Storage Replication Adapter		
		SRA Version : 01.01.36.09		
Hardware/Array Models	Protocol(s)	Firmware	Management S/W	SRM Version(s)
MD3600f	FC	7.75, 7.80	Dell MDSM 10.75, 10.80	4.0, 4.1
MD3620f				

Table 8 Lists the Dell PowerVault MD storage replication adapters supported by SRM 5.0

Partner name : Dell		SRA Name : Dell PowerVault MD Storage Replication Adapter			
		SRA Version : 5.00.3650.0017			
Hardware/Array Models supported	Protocol(s)	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
MD3600f	FC	7.75, 7.80	Dell MDSM 10.75, 10.80	N/A	5.0
MD3620f					

EMC

Table 9 lists the EMC VNX Replicator storage replication adapters supported by SRM

EMC VNX Replicator Storage Replication Adapter Version 4.0.23*				
Array Models	Protocols	VNX OE File	Celerra DART	SRM Version
VNX5300, VNX5500, VNX5700 VNX7500 NX-4 NS-G2 NS20, NS40, NS80 NS-120, NS-480, NS-960 NSX	iSCSI, NFS	OE 7	5.6 or later	4.x

* For a more detailed view of the interoperability matrix, please refer to the EMC Support Matrix (ESM) and the ESM errata at <http://elabnavigator.emc.com>

Table 10 lists the EMC VNX storage replication adapter supported by SRM 5.0

Partner name : EMC		SRA Name : EMC VNX SRA			
		SRA Version : 5.0 and 5.0.1			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
Celerra					
NS-120 NS-480 NS-960	NFS, iSCSI	DART 5.6 and above	EMC Unisphere*	Celerra Replicator*	5.0
CLARiiON					
AX4-5 CX3-10 CX3-20 CX3-40 CX3-80 CX4-120 CX4-240 CX4-480 CX4-960	FC, iSCSI	FLARE*	EMC Navisphere* EMC Unisphere*	MirrorView* Snapview*	5.0
VNX					
VNX5300 VNX5500 VNX5700 VNX7500	NFS, iSCSI FC	VNX File OE 7 VNX Block OE.5	EMC Unisphere*	VNX Replicator* Mirrorview* Snapview*	5.0

* Minimum supported version and above for model. For more information, please refer to the EMC Support Matrix (ESM) and the ESM errata at <http://elabnavigator.emc.com>

EMC continued

Table 11 lists the **EMC CLARiiON MirrorView** storage replication adapters supported by SRM.

EMC MirrorView Storage Replication Adapter Version 1.4.0.16 ¹					
	Host Attach Protocol(s)	Array OS	Array Management Software	Array Replication Software	SRM Version(s)
VNX Models					
VNX 5100, VNX 5300, VNX 5500, VNX 5700,	FC, iSCSI	VNX Block 05.31	Unisphere 1.1.0	MirrorView(Sync/Async) 05.31 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
CLARiiON Models					
CX3-10, CX3-20, CX3-40, CX3-80*	FC, iSCSI *CX3-80 FC Only	FLARE Release 3.26	Navisphere 06.26	MirrorView(Sync/Async) 03.26 SnapView 03.26 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
CX4-120, CX4-240, CX4-480, CX4-960	FC, iSCSI	FLARE Release 4.28	Navisphere 06.28	MirrorView(Sync/Async) 04.28 SnapView 04.28 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
		FLARE Release 4.29	Navisphere 06.29	MirrorView(Sync/Async) 04.29 SnapView 04.29 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
		FLARE Release 4.30	Unisphere 07.30	MirrorView(Sync/Async) 04.30 SnapView 04.30 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
AX4-5	FC	FLARE Release 2.23	Navisphere 06.28	MirrorView(Sync/Async) 02.23 SnapView 02.23 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
CX500 ² CX700 ²	FC	FLARE Release 2.26	Navisphere 06.26	MirrorView(Sync/Async) 02.26 SnapView 02.26 Solutions Enabler (x86) 7.2.1 or later	4.0, 4.1
1. For a more detailed view of the interoperability matrix, please refer to the EMC Support Matrix (ESM) and the ESM errata at http://elabnavigator.emc.com					
2. For CX500 and CX700 EMC RPQ Required. Please contact EMC Customer Support or your local EMC service representative.					

EMC continued

Table 10 contd: lists the **EMC CLARiiON MirrorView** storage replication adapters supported by SRM.

EMC CLARiiON MirrorView Storage Replication Adapters Version 1.4.0.16

Supporting Software					
Celerra Models	Host Attach Protocol(s)	CLARiiON OS	CLARiiON Management Software	CLARiiON Replication Software	SRM Version(s)
NS120F (Backend CX4-120) NS480F (Backend CX4-480) NS960F (Backend CX4-960)	FC	FLARE Release 4.28	Navisphere 06.28	MirrorView(Sync/Async) 04.28 SnapView 04.28 Solutions Enabler (x86) 7.1.2 or later	4.0, 4.1
		FLARE Release 4.29	Navisphere 06.29	MirrorView(Sync/Async) 04.29 SnapView 04.29 Solutions Enabler (x86) 7.1.2 or later	4.0, 4.1
		FLARE Release 4.30	Navisphere 06.30	MirrorView(Sync/Async) 04.30 SnapView 04.30 Solutions Enabler (x86) 7.1.2 or later	4.0, 4.1
NX4F (Backend AX4-5)	FC	FLARE Release 2.23	Navisphere 06.28	MirrorView(Sync/Async) 02.23 SnapView 02.23 Solutions Enabler (x86) 7.1.2 or later	4.0, 4.1

1. For a more detailed view of the interoperability matrix, please refer to the EMC Support Matrix (ESM) and the ESM errata at

<http://elabnavigator.emc.com>

2. For CX500 and CX700 EMC RPQ Required. Please contact EMC Customer Support or your local EMC service representative.

EMC continued

Table 12 lists the arrays supported with EMC Isilon Storage Replication Adapter 1.0

Partner name : EMC		SRA Name : EMC Isilon Storage Replication Adapter				
		SRA Version : 1.0				
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)	
Isilon Systems S-series, NL-series, X-series Isilon platform nodes listed at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select Isilon from "Partner Name" and click Update to see the compatible Models	NFS	OneFS version 6.5.4	N/A	SyncIQ 3.0	5.0	

EMC continued

Table 13 **EMC RecoverPoint** versions supported with EMC RecoverPoint Storage Replication Adapter 1.0 SP3

EMC RecoverPoint Storage Replication Adapter 1.0 SP3¹

Hardware Models	Host Attach Protocol(s) ²	EMC RecoverPoint 3.2.x, 3.3x, 3.4.x	SRM Version(s)
Symmetrix DMX-2 Symmetrix DMX-3 Symmetrix DMX-4 Symmetrix VMAX Symmetrix VMAX SE	FC	Yes	4.0.x, 4.1.x
VMAXe ⁵	FC	Yes, 3.4.1 and above	4.1.x
CLARiiON CX300	FC	Yes	4.0x, 4.1.x
CLARiiON CX3-10 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX3-20 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX3-40 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX3-80 [FC, iSCSI ports] ⁴	FC		
CLARiiON CX4-120 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX4-240 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX4-480 [FC, iSCSI ports] ⁴	FC, iSCSI		
CLARiiON CX4-960 [FC, iSCSI ports] ⁴	FC, iSCSI		
VNX 5100 [FC, FCoE, iSCSI ports] ^{3 4}	FC, iSCSI		
VNX 5300 [FC, FCoE, iSCSI ports] ^{3 4}	FC, iSCSI		
VNX 5500 [FC, FCoE, iSCSI ports] ^{3 4}	FC, iSCSI		
VNX 5700 [FC, FCoE, iSCSI ports] ^{3 4}	FC, iSCSI		
VNX 7500 [FC, FCoE, iSCSI ports] ^{3 4}	FC, iSCSI		
Celerra NS20FC [FC ports]	FC, iSCSI	Yes	4.0.x, 4.1.x
Celerra NS40FC [FC ports]			
IBM DS6000, DS8000	FC	Yes	4.0.x, 4.1.x

HP EVA4000, EVA8000

NetApp [FC, ONTAP 7.2 and later]

EMC RecoverPoint Storage Replication Adapter 1.0 SP3¹

Hardware Models	Host Attach Protocol(s) ²	EMC RecoverPoint 3.2.x, 3.3x, 3.4.x	SRM Version(s)
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HDS TagmaStore

1. For a more detailed view of the interoperability matrix, please refer to the EMC Support Matrix (ESM) and the ESM errata at <http://elabnavigator.emc.com>
 2. iSCSI support is only available with SRM 1.0 U1 and higher
 3. VNX support is with RecoverPoint 3.4 and higher
 4. Array FC, iSCSI are supported. Array FCoE ports are supported on VNX arrays. RecoverPoint is attached to the fabric through FC ports only
 5. VMAXe is supported with RecoverPoint 3.4 SP1 and above
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Table 14 lists the EMC RecoverPoint Storage Replication Adapter 2.0

Partner name : EMC RecoverPoint		SRA Name : EMC RecoverPoint Storage Replication Adapter			
		SRA Version : 2.0			
Hardware/Array Models supported	Array Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
Symmetrix DMX-2 Symmetrix DMX-3 Symmetrix DMX-4	FC	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
Symmetrix VMAX Symmetrix VMAX SE	FC	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
Symmetrix VMAXe	FC	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
CLARiiON CX300	FC	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
CLARiiON CX3-10 CLARiiON CX3-20 CLARiiON CX3-40 Celerra NS20FC Celerra NS40FC	FC, iSCSI	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
CLARiiON CX3-80	FC	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0
CLARiiON CX4-120, Celerra NS-120 CLARiiON CX4-240 Celerra NS-240 CLARiiON CX4-480 Celerra NS-480 CLARiiON CX4-960	FC, iSCSI	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	RecoverPoint 3.4 SP1 and up	5.0

Celerra NS-960					
VNX 5100, VNX 5300, VNX 5500, VNX 5700, VNX 7500	FC, iSCSI	Yes	Yes	Yes	Yes
IBM DS6000, DS8000	FC	Yes	Yes	Yes	Yes
HP EVA4000, EVA8000	FC	Yes	Yes	Yes	Yes
NetApp	FC	ONTAP 7.2 and later	Yes	Yes	Yes
Hitachi TagmaStore	FC	Yes	Yes	Yes	Yes

EMC continued

Table 15 lists the **EMC Symmetrix SRDF-A & SRDF-S** storage replication adapters supported by SRM.

EMC Symmetrix SRDF Storage Replication Adapter Version 2.2.0^{1,2}

Hardware Models	Host Attach	Symmetrix Enginuity OS	Symmetrix Replication Software	SRM Version(s)
Symmetrix V-Max Symmetrix V-Max Symmetrix V-Max SE	FC	5874 and above	7.1.2 and above	4.0, 4.1
Symmetrix DMX-4 Symmetrix DMX-4 950 Symmetrix DMX-4 1500 Symmetrix DMX-4 2500 Symmetrix DMX-4 3500 Symmetrix DMX-4 4500	FC	5773 and above	7.1.2 and above	4.0, 4.1
Symmetrix DMX-3 Symmetrix DMX-3 950 Symmetrix DMX-3 1500 Symmetrix DMX-3 2500 Symmetrix DMX-3 3500 Symmetrix DMX-3 4500	FC	5773 and above	7.1.2 and above	4.0, 4.1
Symmetrix DMX-2,1 Symmetrix DMX-1000 Symmetrix DMX-2000 Symmetrix DMX-3000	FC	5671	7.1.2 and above	4.0, 4.1

1. For a more detailed please refer to the SRDF Adapter for VMware SRM Release Notes and EMC Support Matrix (ESM) at <http://elabnavigator.emc.com>.
2. SRA does not support Dynamic Access Restrictions

EMC continued

Table 16 the EMC Symmetrix SRDF & SRDFe storage replication adapters supported by SRM.

Partner name : EMC	SRA Name : EMC SRDF Adapter for VMware Site Recovery Manager ^{1,2,3} SRA Version : 5.0.0.7 and 5.0.1				
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version (s)
Symmetrix VMAX Symmetrix VMAX Symmetrix VMAX SE Symmetrix VMAXe	FC	Symmetrix Engenuity OS 5874 and above	N/A	EMC Solutions Enabler7.3.1 and above	5.0
Symmetrix DMX-4 Symmetrix DMX-4 950 Symmetrix DMX-4 1500 Symmetrix DMX-4 2500 Symmetrix DMX-4 3500 Symmetrix DMX-4 4500	FC	Symmetrix Engenuity OS 5773	N/A	EMC Solutions Enabler7.3.1 and above	5.0
Symmetrix DMX-3 Symmetrix DMX-3 950 Symmetrix DMX-3 1500 Symmetrix DMX-3 2500 Symmetrix DMX-3 3500 Symmetrix DMX-3 4500	FC	Symmetrix Engenuity OS 5773	N/A	EMC Solutions Enabler7.3.1 and above	5.0
Symmetrix DMX-2,1 Symmetrix DMX-1000 Symmetrix DMX-2000 Symmetrix DMX-3000	FC	Symmetrix Engenuity OS 5671	N/A	EMC Solutions Enabler7.3.1 and above	5.0

1. EMC SRDF-A & SRDF-S Adapter for VMware SRM supports both SRDF and SRDFe replication technologies.

2. For a more detailed please refer to the SRDF Adapter for VMware SRM Release Notes and EMC Support Matrix (ESM) at <http://elabnavigator.emc.com>.

3. SRDF SRA does not support Dynamic Access Restrictions

FalconStor

Table 17 lists the FalconStor storage replication adapters supported by SRM.

FalconStor Storage Replication Adapter v 4.0.0-405^{1,2}

Hardware Models	Protocol(s)	Management Software	SRM Versions(s)
Storage Arrays with Replication			
FalconStor Network Storage (NSS S Series)	iSCSI, FC, Mixed	NSS/IPStor 5.1 and above	4.0, 4.1
FalconStor Network Storage Server (NSS HC Series)	iSCSI	NSS/IPStor 6.0 and above	4.0, 4.1
Storage Virtualization Devices (SVD) with SAN Replication (Multi-Vendor)			
FalconStor NSS Gateway³ / IPStor Enterprise Gateway³	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
3Par InServ E200 ⁴ , InServ S400 ⁴ , InServ S800 ⁴ , T400 ⁴ , T800 ⁴ Compellent Storage Center ⁴	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
Dell / EqualLogic PS5000E ⁴ , PS5000X ⁴ , PS5000XV ⁴	iSCSI	NSS/IPStor 6.0 and above	4.0, 4.1
Dell/EMC CLARiiON CX3-10 ⁴ , Dell/EMCCLARiiON CX3-20 ⁴ , Dell/CLARiiON CX3-40 ⁴ , Dell/EMC CLARiiON CX3-80 ^{4,*} , Dell/EMC CLARiiON CX4-120 ⁴ , Dell/EMC CLARiiON CX4-240 ⁴ , Dell/EMC CLARiiON CX4-480 ⁴ , Dell/EMC CLARiiON CX4-960 ⁴ *FC only	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
EMC CLARiiON CX3-10 ⁴ , EMCCLARiiON CX3-20 ⁴ , CLARiiON CX3- 40 ⁴ , EMC CLARiiON CX3-80 ^{4,*} , EMC CLARiiON CX4-120 ⁴ , EMC CLARiiON CX4-240 ⁴ , EMC CLARiiON CX4-480 ⁴ , EMC CLARiiON CX4-960 ⁴ , EMC Symmetrix DMX-3 ⁴ , EMC Symmetrix DMX-4 ⁴ *FC only	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1

See notes on next page

FalconStor continued

Table 18 continues the list of the FalconStor storage replication adapters supported by SRM.

FalconStor Storage Replication Adapter v 4.0.0-405^{1,2}

Hardware Models	Protocol(s)	Management Software	SRM Version(s)
Storage Virtualization Devices (SVD) with SAN Replication (Multi-Vendor)			
FalconStor NSS Gateway³ / IPStor Enterprise Gateway³	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
Hitachi / HDS TagmaStore AMS1000 ⁴ , AMS 2500 ⁴ , AMS500 ⁴ , USP1100 ⁴ , WMS 100 ⁴	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
Hitachi / HDS Lightning 9970 ⁴ , Lightning 9980 ⁴ , Thunder 9500V Series ⁴ , USP VM ⁴	FC	NSS/IPStor 6.0 and above	4.0, 4.1
HP StorageWorks EVA 8000 ⁴ , EVA 8100 ⁴ , EVA 4100 ⁴ , EVA 4400 ⁴ , EVA 6000 ⁴	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
HP StorageWorks EVA 5000 ⁴ , XP 12000 ⁴ , XP 24000 ⁴ , MSA1500 ⁴ , MSA1000 ⁴ , XP 128 ^{4,5}	FC	NSS/IPStor 6.0 and above	4.0, 4.1
IBM DS3400 ⁴ , DS4100/FAS ^t 100 ^{4,5} , DS4200 ⁴ , DS4300/FAS ^t 600 ⁴ , DS4400/FAS ^t T700 ^{4,5} , DS4500/FAS ^t T900 ⁴ , DS4700 ⁴ , DS4800 ⁴ , DS8000 ⁴	FC	NSS/IPStor 6.0 and above	4.0, 4.1
NetApp FAS2000 ⁴ , FAS3000 ⁴ , FAS3100 ⁴ , FAS900 (ONTAP 6.5 and later) ⁴ Pillar Axiom 500	iSCSI, FC, Mixed	NSS/IPStor 6.0 and above	4.0, 4.1
Xiotech Emprise 5000 ⁴	FC	NSS/IPStor 6.0 and above	4.0, 4.1

1. For a more detailed view of the interoperability matrix, please refer to the FalconStor Support Matrix for SRM at <http://www.falconstor.com/en/pages/?pn=SRM>

2. SRA requires an installation license key is free and available by calling your FalconStor rep or by sending an email to sales@falconstor.com.

3. Requires either FalconStor supplied gateway appliances or NSS Gateway Software Appliance Kit installed on a FalconStor Compatibility Guide certified appliance (IBM, HP, DELL).

4. 3rd party SAN requires current VMware Compatibility Guide listing and FalconStor Compatibility Guide listing.

5. Supported with ESX 3.0x only

Table 19 lists the FalconStor storage replication adapters supported by SRM 5.0.

Partner name : FalconStor		SRA Name : FalconStor Storage Replication Adapter for VMware vCenter SRM			
		SRA Version : 5.00_5023			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware name and Version	Management S/W Name and version	Replication S/W Name and Version	SRM Version(s)
Storage Virtualization Devices (SVD) with SAN Replication (Multi-Vendor)					
CDP Gateway ³ /NSS Gateway ³ /IPStor Enterprise ³ with:	FC, iSCSI, mixed	IPStor, 6.15, 7.0	IPStor, 6.15, 7.0	FalconStor Replication with MicroScan, 6.15, 7.0	5.0

3Par InServ E200⁴, InServ S400⁴, InServ S800⁴, T400⁴, T800⁴
 Compellent Storage Center⁴
 Dell / EqualLogic PS5000E^{2,4}, PS5000X^{2,4}, PS5000XV^{2,4}
 Dell/EMC CLARiiON CX3-10⁴, Dell/EMCCLARiiON CX3-20⁴, Dell/CLARiiON CX3-40⁴, Dell/EMC CLARiiON CX3-80^{1,4},
 Dell/EMC CLARiiON CX4-120⁴, Dell/EMC CLARiiON CX4-240⁴, Dell/EMC CLARiiON CX4-480⁴, Dell/EMC CLARiiON CX4-960⁴
 EMC CLARiiON CX3-10⁴, EMC CLARiiON CX3-20⁴, CLARiiON CX3-40⁴, EMC CLARiiON CX3-80^{1,4},
 EMC CLARiiON CX4-120⁴, EMC CLARiiON CX4-240⁴, EMC CLARiiON CX4-480⁴, EMC CLARiiON CX4-960⁴,
 EMC Symmetrix DMX-3⁴, EMC Symmetrix DMX-4⁴
 Fujitsu ETERNUS2000 Model 100/200⁴, Fujitsu ETERNUS3000^{1,4}, Fujitsu ETERNUS4000 Model 300/500⁴,
 Fujitsu ETERNUS8000 Model 900/1100/2100⁴, Fujitsu ETERNUS4000 Model 400/600⁴, Fujitsu ETERNUS8000 Model 1200/2200⁴,
 Fujitsu ETERNUS DX410/DX440⁴, Fujitsu ETERNUSDx8100/DX8400/DX8700⁴, Fujitsu ETERNUS DX60/DX80/DX90⁴

1. FC only
2. iSCSI only
3. Requires either FalconStor supplied gateway appliances or NSS Gateway Software Appliance Kit installed on a FalconStor Compatibility Guide certified appliance (IBM, HP, DELL).
4. 3rd party SAN requires current VMware Compatibility Guide listing and FalconStor Compatibility Guide listing.

Fujitsu

Table 20 lists the Fujitsu storage replication adapters supported by SRM.

ETERNUS SF AdvancedCopy Manager Adapter for VMware SRM Version 1.5¹

Hardware Models	Protocol	Firmware	ETERNUS SF Fujitsu AdvancedCopy Manager	SRM Version(s)
ETERNUS4000 model 300/500	FC	V11L40 and above	14.2 or later	4.0, 4.1
ETERNUS4000 model 400/600	FC	all versions	14.2 or later	4.0, 4.1
ETERNUS8000 model 700/900/1100/2100	FC	V11L40 and above	14.2 or later	4.0, 4.1
ETERNUS8000 model 800/1200/2200	FC	all versions	14.2 or later	4.0, 4.1
ETERNUS DX90	FC	all versions	14.2 or later	4.0, 4.1
ETERNUS DX90 S2	iSCSI,FC	all versions	14.2 or later	4.0, 4.1
ETERNUS DX410/DX410 S2/DX440/DX440 S2	iSCSI,FC	all versions	14.2 or later	4.0, 4.1
ETERNUS DX8100/DX8400/DX8700	iSCSI,FC	all versions	14.2 or later	4.0, 4.1

1.SRA does not support Dynamic Access Restrictions or Concurrent Suspend.

Table 21 lists the Fujitsu storage replication adapters supported by SRM 5.0

Partner name : Fujitsu		SRA Name : ETERNUS SF AdvancedCopy Manager Adapter for VMware Site Recovery Manager			
		SRA Version : 2.1			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
ETERNUS4000 model 300/500	FC	V11L40 and above	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS4000 model 400/600	FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS8000 model 700/900/1100/2100	FC	V11L40 and above	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS8000 model 800/1200/2200	FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS DX90	FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS DX90 S2	iSCSI,FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS DX410/DX410 S2/DX440/DX440 S2	iSCSI,FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0
ETERNUS DX8100/DX8100 S2/DX8400/DX8700/DX8700 S2	iSCSI,FC	all versions	ETERNUS SF AdvancedCopy Manager 14.2 or later	ETERNUS SF AdvancedCopy Manager 14.2 or later	5.0

Hitachi, Ltd

Table 22 lists the Hitachi Ltd. storage replication adapter supported by SRM 5.0

Partner name : Hitachi Ltd		SRA Name : RAID Manager Storage Replication Adapter			
		SRA Version : 02.01.01			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
Hitachi Virtual Storage Platform	FC	70-01 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) UR Same F/W version	5.0
Hitachi Universal Storage Platform V Hitachi Universal Storage Platform VM	FC	60-07 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) TC(Async), UR Same F/W version	5.0
SANRISE NSC 55 SANRISE USP 100 SANRISE USP 600 SANRISE USP 1100	FC	50-09 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) TC(Async), UR Same F/W version	5.0
Hitachi Adaptable Modular Storage 2500 Hitachi Adaptable Modular Storage 2300 Hitachi Adaptable Modular Storage 2100	FC, iSCSI	08-B0/B or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) Same F/W version	5.0
Hitachi Unified Storage 110 Hitachi Unified Storage 130 Hitachi Unified Storage 150	FC	0915/B or later	Hitachi RAID Manager/CCI Version 01-26-03/02 or later	TC(Sync/SyncCTG) Same F/W version	5.0

Footnote: TCED (TrueCopy extended distance) is not supported for SRM5.0 on AMS and HUS arrays

Hitachi, Ltd continued

Table 23 continues to lists the Hitachi Ltd. storage replication adapter supported by SRM.

Hitachi Storage Replication Adapter 2 (RMSRA version 1.0.8)¹				
Hardware Models for Hitachi, Ltd.	Protocol	Firmware Revision	Hitachi RAID Manager/ CCI	SRM Version(s)
Hitachi Virtual Storage Platform™	FC	70-00 or later	01-24-03/08 or later	4.0, 4.1
Hitachi Universal Storage Platform V	FC	60-04-06 or later	01-23-03/07 or later	4.0, 4.1
Hitachi Universal Storage Platform VM				
Hitachi Universal Storage Platform	FC	05-09-82 or later	01-23-03/07 or later	4.0, 4.1
Hitachi Network Storage Controller NSC55				
Hitachi Adaptable Modular Storage 2500	FC	08-60/C or later	01-23-03/07 or later	4.0, 4.1
Hitachi Adaptable Modular Storage 2300				
Hitachi Adaptable Modular Storage 2100				
Hitachi Adaptable Modular Storage 1000	FC	07-82/B or later	01-23-03/07 or later	4.0, 4.1
Hitachi Adaptable Modular Storage 500				
Hitachi Adaptable Modular Storage 200				
Hitachi Workgroup Modular Storage 100				

1. SRA does not support Dynamic Access Restrictions.

Hitachi Data Systems

Table 24 lists the Hitachi storage replication adapters supported by SRM 5.0

Partner name : Hitachi Data Systems		SRA Name : RAID Manager Storage Replication Adapter			
		SRA Version : 02.01.01			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware name and Version	Management S/W name and version	Replication S/W name and version	SRM Version(s)
Hitachi Virtual Storage Platform	FC	70-01 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) UR Same F/W version	5.0
Hitachi Universal Storage Platform V Hitachi Universal Storage Platform VM	FC	60-07 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) TC(Async), UR Same F/W version	5.0
TagmaStore NSC 55 TagmaStore USP 100 TagmaStore USP 600 TagmaStore USP 1100	FC	50-09 or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) TC(Async), UR Same F/W version	5.0
Hitachi Adaptable Modular Storage 2500 Hitachi Adaptable Modular Storage 2300 Hitachi Adaptable Modular Storage 2100	FC, iSCSI	08-B0/B or later	Hitachi RAID Manager/CCI Version 01-24-03/13 or later	TC(Sync/SyncCTG) Same F/W version	5.0
Hitachi Unified Storage 110 Hitachi Unified Storage 130 Hitachi Unified Storage 150	FC	0915/B or later	Hitachi RAID Manager/CCI Version 01-26-03/02 or later	TC(Sync/SyncCTG) Same F/W version	5.0

Footnote: TCED (TrueCopy extended distance) is not supported for SRM5.0 on AMS and HUS arrays.

Hitachi Data Systems, continued

Table 25 continues the list of the Hitachi storage replication adapters supported by SRM.

Hitachi Storage Replication Adapter 2 (RMSRA version 1.0.8)¹

Hardware Models for Hitachi Data Systems	Protocol(s)	Firmware Revision	Hitachi RAID Manager/ CCI	SRM Version(s)
Hitachi Virtual Storage Platform™	FC	70-00 or later	01-24-03/08 or later	4.0, 4.1
Hitachi Universal Storage Platform™ V	FC	60-04-06 or later	01-23-03/07 or later	4.0, 4.1
Hitachi Universal Storage Platform™ VM				
Hitachi Universal Storage Platform™	FC	05-09-82 or later	01-23-03/07 or later	4.0, 4.1
Hitachi Network Storage Controller model NSC55				
Hitachi Adaptable Modular Storage 2500	FC	08-60/C or later	01-23-03/07 or later	4.0, 4.1
Hitachi Adaptable Modular Storage 2300				
Hitachi Adaptable Modular Storage 2100				
Hitachi Adaptable Modular Storage 1000	FC	07-82/B or later	01-23-03/07 or later	4.0, 4.1
Hitachi Adaptable Modular Storage 500				
Hitachi Adaptable Modular Storage 200				
Hitachi Workgroup Modular Storage 100				
Hardware Models for Sun Microsystems, Inc.	Protocol(s)	Firmware Revision	Hitachi RAID Manager/ CCI	SRM Version(s)
Sun StorageTek™ 9990V	FC	60-04-06 or later	01-23-03/07 or later	4.0, 4.1
Sun StorageTek™ 9985V				
Sun StorageTek™ 9990	FC	05-09-82 or later	01-23-03/07 or later	4.0, 4.1
Sun StorageTek™ 9985				

1. SRA does not support Dynamic Access Restrictions.

Hitachi Data Systems, continued

Table 26 continues the list of the Hitachi storage replication adapters supported by SRM.

Hitachi Storage Replication Adapter for HNAS version 1.0.56¹

Hardware Models for Hitachi Data Systems	Protocol(s)	System Management Unit (SMU) Version	SRM Version(s)
Hitachi High-performance NAS Platform 3x00 Hitachi High-performance NAS Platform 2x00 Hitachi NAS Platform 3080 Hitachi NAS Platform 3090	NFS	6.5, 7.0, 8.0	4.0, 4.1
Hardware Models for BlueArc, Inc.	Protocol(s)	System Managemt Unit (SMU) Version	SRM Versions(s)
BlueArc Titan 3200 BlueArc Titan 3100 BlueArc Titan 2200 BlueArc Titan 2100 BlueArc Titan 1100 ² BlueArc Mercury Series	NFS	6.5, 7.0, 8.0	4.0, 4.1
1. SRA does not support Dynamic Access Restrictions. 2. Supported with ESX 3.5x only			

HP

Table 27 lists the HP EVA storage replication adapters supported by SRM.

HP EVA Continuous Access Storage Replication Adapter Version 4.01.00¹

Hardware Models	Protocol(s)	Supporting Software Firmware	CommandView Version(s)	SRM Version(s)
P6500	FC	XCS v10.0	9.4	4.0, 4.1
P6300	FC	XCS v10.0	9.4	4.0, 4.1
EVA4000 EVA4100	FC	XCS 6.1xx or 6.2xx	8.0.1, 8.0.2, 9.1, 9.2, 9.3, 9.4	4.0, 4.1
EVA4400	FC	XCS v095x, v9.0xx	8.0.1, 8.0.2, 9.1, 9.2, 9.3, 9.4	4.0, 4.1
EVA6000 EVA6100	FC	XCS 6.1xx or 6.2xx	8.0.1, 8.0.2, 9.11, 9.2, 9.3, 9.4	4.0, 4.1
EVA 6400	FC	XCS v.095x, v9.0xx	9.1, 9.2, 9.3, 9.4	4.0, 4.1
EVA8000 EVA8100		XCS 6.1xx or 6.2xx	8.0.1, 8.0.2, 9.11, 9.2, 9.3, 9.4	4.0, 4.1
EVA 8400	FC	XCS v.0953x, v9.0xx	9.1, 9.2, 9.3, 9.4	4.0, 4.1

1. SRA does not support Dynamic Access Restrictions.

Table 28 lists the HP SVSP storage replication adapters supported by SRM.

HP SVSP Access Storage Replication Adapter Version 2.00.37.17

Hardware Models	Protocol(s)	SVSP Software Version	SRM Version(s)
SVSP	FC	SVSP 3.0x	4.0, 4.1

HP Continued

Table 29 Table 22 lists the HP XP storage replication adapters supported by SRM.

HP XP Storage Replication Adapter RMSPSRA 1.0.8¹

Hardware Models	Protocol(s)	Supporting Software Firmware	Raid Manager	SRM Version(s)
P9500	FC	60-05-10-00/00 or later	01.23.07 or later	4.0, 4.1
XP24000/XP20000	FC	60-04-13 or later	01.23.07 or later	4.0, 4.1
XP12000/XP10000	FC	50-09-78 or later	01.23.07 or later	4.0, 4.1

1. SRA does not support Dynamic Access Restrictions.

Table 30 lists the HP P4000 storage replication adapters supported by SRM.

HP P4000 Storage Replication Adapter Version 8.1.0.47

Hardware Models	Protocol(s)	SAN/iQ	SRM Version(s)
NSM 260	iSCSI	Version 7 and 8.x	4.0
NSM 160			
NSM 2060, 2060 G2			
NSM 2120			
NSM 2120 G2			
NSM 4150			
VSA			
P4500			
P4300			
P4000 VSA			
HP DL 320s			
HP DL 380			
Dell 2950			
IBM x3650			

NOTE: WHEN USING iSCSI ARRAYS WITH ESX SERVER HOSTS, THE MAXIMUM NUMBER OF TARGETS PER HOST IS 64 AS DESCRIBED IN THE SAN COMPATIBILITY GUIDE FOR ESX SERVER 3.5 AND ESX SERVER 3i. HOWEVER, WHEN USING VMWARE SITE RECOVERY MANAGER, FAILOVER HOSTS WITH SOME CONFIGURATIONS HAVE A LIMIT OF APPROXIMATELY 23 RECOVERY LUNs. THIS LIMITATION APPLIES TO RECOVERY LUNs ONLY. SEE KB <http://kb.vmware.com/kb/1005867> for more information.

HP P4000 continued

Table 31 lists the HP P4000 storage replication adapters supported by SRM.

HP P4000 Storage Replication Adapter Version 8.5.0.319

Hardware Models	Protocol(s)	SAN/iQ	SRM Version(s)
NSM 260	iSCSI	Version 7 and 8.x	4.0, 4.1
NSM 160			
NSM 2060, 2060 G2			
NSM 2120			
NSM 2120 G2			
NSM 4150			
VSA			
P4500			
P4300			
P4000 VSA			
HP DL 320s			
HP DL 380			
Dell 2950			
IBM x3650			
NSM 260	iSCSI	Version 8.5	4.0, 4.1
NSM 160			
NSM 2060, 2060 G2			
NSM 2120			
NSM 2120 G2			
NSM 4150			
VSA			
P4500			
P4300			
P4000 VSA			
HP DL 320s			
HP DL 380			

Dell 2950

IBM x3650

NOTE: WHEN USING iSCSI ARRAYS WITH ESX SERVER HOSTS, THE MAXIMUM NUMBER OF TARGETS PER HOST IS 64 AS DESCRIBED IN THE SAN COMPATIBILITY GUIDE FOR ESX SERVER 3.5 AND ESX SERVER 3I. HOWEVER, WHEN USING VMWARE SITE RECOVERY MANAGER, FAILOVER HOSTS WITH SOME CONFIGURATIONS HAVE A LIMIT OF APPROXIMATELY 23 RECOVERY LUNs. THIS LIMITATION APPLIES TO RECOVERY LUNs ONLY. SEE KB <http://kb.vmware.com/kb/1005867> for more information.

Table 32 lists the HP P4000 storage replication adapters supported by SRM.

HP P4000 Storage Replication Adapter Version 9.0.0.3561

Hardware Models	Protocol(s)	SAN/iQ	SRM Version(s)
NSM 2120	iSCSI	Version 9.0.00.3561	4.0, 4.1
NSM 3650			
NSM 2060			
NSM 4150			
HP P4000 VSA (VMware & Hyper-V)			
HP P4300			
HP P4500			
HP P4300 G2			
HP P4500 G2			
P4800 G2			

Table 33 lists the HP P4000 Storage Replication Adapter software for VMware vCenter SRM

HP P4000 Storage Replication Adapter Version 9.5.0.1215

Hardware Models	Protocol(s)	SAN/iQ	SRM Version(s)
HP LeftHand P4300	iSCSI	Version 9.5.0.1215	4.0, 4.1
HP LeftHand P4300 G2			
HP LeftHand P4500			
HP LeftHand P4500 G2			
HP LeftHand P4800			
HP LeftHand P4800 G2			
HP LeftHand P4000 Hyper-V VSA			
HP LeftHand P4000 VMware VSA			
LeftHand NSM2120			
HP LeftHand P4300			

Table 34 lists the HP P4000 Storage Replication Adapter software for VMware SRM

Partner name : Hewlett Packard		SRA Name : HP P4000 Storage Replication Adapter Version			
		SRA Version : 9.5.0.620			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
HP LeftHand P4300	iSCSI	SAN/iQ 9.5	N/A	N/A	5.0
HP LeftHand P4300 G2	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4500	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4500 G2	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4800	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4800 G2	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4000 Hyper-V VSA	iSCSI	SAN/iQ 9.5			5.0
HP LeftHand P4000 VMware VSA	iSCSI	SAN/iQ 9.5			5.0
LeftHand NSM2120	iSCSI	SAN/iQ 9.5			5.0

Table 35 lists the HP P6000 EVA Storage Replication Adapter Software for VMware vCenter SRM version 5.0

Partner name : Hewlett Packard		SRA Name : HP P6000 EVA Storage Replication Adapter Software			
		SRA Version : 5.00.00			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
HP P6500	FC	Firmware XCS v 10.0	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP P6300	FC	Firmware XCS v 10.0	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 8400 EVA	FC	Firmware XCS v.0953x, v9.0xx	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 8100 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 8000 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 6400 EVA	FC	Firmware XCS v.095x, v9.0xx	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP6100 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 6000 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP 4400 EVA	FC	Firmware XCS v.095x, v9.0xx	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000	5.0

				(Tied to firmware version)	
HP4100 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0
HP4000 EVA	FC	Firmware XCS V6.2xx, 6.110	CommandView 9.4 or later	HP P6000 Continuous Access Software Version 10000000 (Tied to firmware version)	5.0

Table 36 lists the HP P9000 XP Storage Replication Adapter Software for VMware vCenter SRM version 5.0

Partner name : Hewlett Packard		SRA Name : HP P9000 XP Storage Replication Adapter Software			
		SRA Version : 2.01.01			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Raid Manager	Replication S/W Name	SRM Version(s)
HP P9500	FC	70-02-06-00/00 or later	01.24.16 or later	HP P9000 Continuous Access XP (Sync and Journal) Same F/W version	5.0
HP VP9500	FC	70-02-06-00/00 or later	01.24.16 or later	HP P9000 Continuous Access XP (Sync and Journal) Same F/W version	5.0
HP XP24000/XP2000	FC	60-07-00 or later	01.24.16 or later	HP P9000 Continuous Access XP (Sync and Journal) Same F/W version	5.0
HP XP12000/XP10000	FC	50-09-98 or later	01.24.16 or later	HP P9000 Continuous Access XP (Sync and Journal) Same F/W version	5.0

IBM

Table 37 lists the IBM DS3000/DS4000/DS5000 series storage replication adapters supported by SRM

IBM DS3000/DS4000/DS5000 Series Storage Replication Adapter Version 01.01.35.06¹

Hardware Models	Protocol(s)	Firmware Version(s)	IBM Storage Manager Version	SRM Version(s)
DS3500	FC	7.70, 7.75, 7.77	10.70, 10.75, 10.77	4.0, 4.1
DS4200	FC	7.10 ² , 7.15 ² , 7.36, 7.50, 7.60	10.15 ² , 10.30 ² , 10.36, 10.50, 10.60	4.0, 4.1
DS4700				
DS4800				
DS3950	FC	7.60, 7.70, 7.75, 7.77	10.60, 10.70, 10.75, 10.77	4.0, 4.1
DS5020				
DS5100	FC	7.30 ² , 7.36, 7.50, 7.60, 7.70, 7.75, 7.77	10.30 ² , 10.36, 10.50, 10.60, 10.70, 10.75, 10.77	4.0, 4.1
DS5300				

1. The DS4000 and DS5000 SRA requires ESX 3.5 Update 3 (or later) and SRM 1.0 Update 1 (or later).

2. Full interoperability support begins at Firmware Version 07.36 and IBM Storage Manager Version 10.36.

Table 38 lists the IBM DS3000/DS4000/DS5000 series storage replication adapters supported by SRM.

Partner name : IBM		SRA Name : IBM DS3000/DS4000/DS5000 Storage Replication Adapter			
		SRA Version : 05.00.3550.0017			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
DS3500	FC	7.70, 7.77	IBM Storage Manager 10.70, 10.77	(in firmware)	5.0
DS4200, DS4700, DS4800	FC	7.60, 7.70, 7.77	IBM Storage Manager 10.60, 10.70, 10.77	(in firmware)	5.0
DS3950, DS5020	FC	7.60, 7.70, 7.77	IBM Storage Manager 10.60, 10.70, 10.77	(in firmware)	5.0
DS5100, DS5300	FC	7.60, 7.70, 7.77	IBM Storage Manager 10.60, 10.70, 10.77	(in firmware)	5.0

Table 39 lists the IBM DS8000 storage replication adapters supported by SRM.

IBM DS8000 Storage Replication Adapter Version 1.11.10716

Hardware Models	Protocol(s)	Firmware Version(s)	DS Open API (CIM Agent)	SRM Version(s)
IBM 2107	FC	2.x, 3.x, 4.x	Embedded on HMC	4.0, 4.1

Table 40 lists the IBM DS8000 storage replication adapters supported by SRM

IBM DS8000 Storage Replication Adapter Version 1.20.80510

Hardware Models	Protocol(s)	Firmware Version(s)	DS Open API (CIM Agent)	SRM Version(s)
IBM 2107	FC	2.x, 3.x, 4.x, 5.x	Embedded on HMC	4.0, 4.1

Table 41 lists the IBM DS8000 storage replication adapters supported by SRM

IBM DS8000 Storage Replication Adapter Version 1.30.11907

Hardware Models	Protocol(s)	Firmware Version(s)	DS Open API (CIM Agent)	SRM Version(s)
IBM 2107	FC	2.x, 3.x, 4.x, 5.x,6.x	Embedded on HMC	4.0, 4.1

Table 42 lists the IBM Storwize V7000 storage replication adapters supported by SRM.

IBM Storwize V7000 Storage Replication Adapter Version 1.20.10713

Hardware Models	Protocol(s)	Firmware	Master Console (CIM Agent)	SRM Version(s)
IBM 2076-112	FC	6.1.x, 6.2.x	Embedded CIMOM for Storwize V7000	4.0, 4.1
IBM 2076-124				
IBM 2076-312	FC	6.2.x	Embedded CIMOM for Storwize V7000	4.0, 4.1
IBM 2076-324				

Table 43 lists the IBM SAN Volume Controller (SVC) storage replication adapters supported by SRM.

IBM SAN Volume Controller Storage Replication Adapter Version 1.20.10713

Hardware Models	Protocol(s)	Firmware	Master Console (CIM Agent)	SRM Version(s)
IBM 2145-4F2	FC	4.3.1.7 or higher	Embedded CIMOM on SVC cluster	4.0, 4.1
IBM 2145-8F2 IBM 2145-8F4 IBM 2145-8G4 IBM 2145-8A4	FC	4.3.17 or higher, 5.1.x, 6.1.x, 6.2.x	Embedded CIMOM on SVC cluster	4.0, 4.1
IBM 2145-CF8	FC	5.1.x, 6.1.x, 6.2.x	Embedded CIMOM on SVC	4.0, 4.1
IBM 2145-CG8	FC	6.2.x	Embedded CIMOM on SVC	4.0, 4.1

Table 44 lists the IBM SAN Volume Controller (SVC) storage replication adapters supported by SRM 5.0.

Partner name : IBM Corporation		SRA Name : IBM SAN Volume Controller Storage Replication Adapter			
		SRA Version: 2.00.11725			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
IBM 2145-4F2	FC	4.3.1.7 or higher	Embedded CIMOM on SVC cluster	Embedded feature in product firmware - license feature to be enabled.	5.0
IBM 2145-8F2 IBM 2145-8F4 IBM 2145-8G4 IBM 2145-8A4	FC	4.3.17 or higher, 5.1.x, 6.1.x, 6.2.x	Embedded CIMOM on SVC cluster	Embedded feature in product firmware - license feature to be enabled.	5.0
IBM 2145-CF8	FC	5.1.x, 6.1.x, 6.2.x	Embedded CIMOM on SVC	Embedded feature in product firmware - license feature to be enabled.	5.0
IBM 2145-CG8	FC	6.2.x	Embedded CIMOM on SVC	Embedded feature in product firmware - license feature to be enabled.	5.0

Table 45 lists the IBM Storwize V7000 storage replication adapters supported by SRM 5.0.

Partner name : IBM Corporation		SRA Name : IBM SAN Volume Controller Storage Replication Adapter			
		SRA Version: 2.00.11725			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
IBM 2076-112 IBM 2076-124	FC	6.1.x, 6.2.x	Embedded CIMOM on SVC cluster	Embedded feature in product firmware - license feature to be enabled.	5.0
IBM 2076-312 IBM 2076-324	FC	6.2.x	Embedded CIMOM on SVC cluster	Embedded feature in product firmware - license feature to be enabled	5.0

Table 46 lists the IBM XIV Series storage replication adapters supported by SRM.

IBM XIV Series Storage Replication Adapter Version 4.0.1

Hardware Models	Protocol(s)	Firmware Version(s)	IBM Storage Manager Version(s)	SRM Version(s)
2810 XIV	FC, iSCSI	10.0.1c 10.1x, 10.2x	10.0.1c 10.1x, 10.2x	4.0, 4.1

Table 47 lists the IBM XIV Series storage replication adapter supported by SRM.

Partner name : IBM Corporation		SRA Name : IBM XIV Series Storage Replication Adapter Version 2.1			
		SRA Version: 2.1			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
2810 XIV	FC, iSCSI	10.2.x, 11.x	IBM Storage Manager 10.2.x, 11.x	IBM Storage Manager 10.2.x, 11.x	5.0

IBM continued

Table 48 lists the IBM N series storage replication adapters supported by SRM.

IBM N series Storage Replication Adapter version 1.4 NAS

Hardware models	Protocol(s)	Data ONTAP Version(s) ¹	SRM Version(s)
All IBM N series platforms. Detailed IBM- VMware Platform compatibility matrix is available here	NFS	7.2.4, 7.2.6, 7.3 and later	4.0, 4.1

1. "and later" includes all future major and minor ONTAP versions (including the 8.x series)

Table 49 lists the IBM N series storage replication adapters supported by SRM.

IBM N series Storage Replication Adapter version 1.4.2 for SAN

Hardware models	Protocol(s)	Data ONTAP Version(s) ¹	SRM Version(s)
All IBM N series platforms. Detailed IBM- VMware Platform compatibility matrix is available here	FC, iSCSI	7.2.4, 7.2.6, 7.3 and later	4.0, 4.1

1. "and later" includes all future major and minor ONTAP versions (including the 8.x series)

Table 50 lists the IBM N series storage replication adapters supported by SRM.

IBM N series Storage Replication Adapter version 1.4.3 for NAS and SAN

Hardware models	Protocol(s) ¹	Data ONTAP Version(s) ³	SRM Version(s)
All IBM N series platforms. Detailed IBM- VMware Platform compatibility matrix is available here	FC ² , iSCSI ¹ , NFS ¹	7.2.4, 7.2.6, 7.3 and later	4.0, 4.1

1. MultiStore vFiler support for iSCSI or NFS requires minimum Data ONTAP version 7.3.2

2. Refer to <https://www.ibm.com/support/entdocview.wss?uid=ssg1S1003674> when running SRA 1.4.3 in a pure NFS configuration; login required

1. "and later" includes all future major and minor ONTAP versions (including the 8.x series)

Table 51 lists the IBM N series storage replication adapters supported by SRM 5.0.

Partner name : IBM		SRA Name : IBM N series Storage Replication Adapter version			
		SRA Version : 2.0			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
All IBM N series platforms. Detailed IBM- VMware Platform compatibility matrix is available at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select IBM from "Partner Name", and Specify ONTAP in "Keyword" and click Update to see the following Models:	FC , iSCSI ¹ , NFS ¹	DATA ONTAP 7.2.4 and later ²	N/A	SnapMirror	5.0
<ol style="list-style-type: none"> 1. MultiStore vFiler support for iSCSI or NFS requires minimum ONTAP verison 7.3.2 2. "and later" includes all future major and minor ONTAP versions (including the 8.x series) 					

NetApp E-Series

Table 52 lists the NetApp E-Series storage replication adapters supported by SRM.

LSI Storage Replicaton Adapter Version 01.01.30.09¹

Hardware Models	Protocol(s)	Firmware Version(s)	SANtricity Version(s)	CAM Version	SRM Version(s)
2600	FC	7.70, 7.75, 7.77	10.70, 10.75, 10.77	NA	4.0, 4.1
399x	FC	7.36, 7.50, 7.60	10.36, 10.50, 10.60	NA	4.0, 4.1
4900	FC	7.50, 7.60, 7.70, 7.75, 7.77	10.50, 10.60, 10.70, 10.75, 10.77	NA	4.0, 4.1
699x	FC	7.36, 7.50, 7.60	10.36, 10.50, 10.60	NA	4.0, 4.1
7900	FC	7.36, 7.50, 7.60, 7.70, 7.75, 7.77	10.36, 10.50, 10.60, 10.70, 10.75, 10.77	NA	4.0, 4.1
SGI Models					
Infinite Storage 4000	FC	7.50, 7.60	10.50, 10.60	NA	4.0, 4.1
Infinite Storage 4100	FC	7.50, 7.60, 7.70, 7.75	10.50, 10.60, 10.70, 10.75	NA	14.0, 4.1
Infinite Storage 4600					
Infinite Storage 5000	FC	7.70, 7.75	10.70, 10.75	NA	4.0, 4.1
Oracle/Sun Models					
Sun Storage 6780 ²	FC	7.50, 7.60, 7.70, 7.75	10.50, 10.60, 10.70, 10.75	6.4	4.0, 4.1
Sun Storage 6580 ²					
Sun Storage 6180					
Sun Storage 6540	FC	7.50, 7.60	10.50, 10.60	6.4	4.0, 4.1
Sun Storage 6140					

2. Sun Storage 6580 and 6780 require ESX 3.5 Update 4 (or later).

Table 53 lists the NetApp E-Series storage replication adapters supported by SRM.

Partner name : NetApp E-Series

SRA Name : NetApp E-Series SRA

SRA Version : 05.00.3050.0017

Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
E2600, E399x, E4900, E54xx, E69xx, E79xx	FC	7.35, 7.60, 7.70, 7.75, 7.77, 7.80	SANtricity S/W Name and Version	SANtricity (in firmware)	5.0
SGI Models: IS5000, IS4600, IS4100, IS4000	FC	7.60, 7.70, 7.75, 7.77, 7.80	SANtricity S/W Name and Version	SANtricity (in firmware)	5.0
Oracle/Sun Models: 6780, 6580, 6180, 6540, 6140	FC	7.60, 7.70, 7.75, 7.77, 7.80	SANtricity S/W Name and Version	SANtricity (in firmware)	5.0

NEC

Table 54 lists the NEC storage replication adapter supported by SRM

Partner name : NEC		SRA Name : NEC Storage Replication Adapter			
		SRA Version : 5.0.001			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware name and Version	Management S/W name and version	Replication S/W name and version	SRM Version(s)
iStorage D3-30	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage D4-30	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage D8-30 (8G HD)	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0

iStorage M100	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M300	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M500	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M100 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0

iStorage M300 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M500 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M100 (1G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M300 (1G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
iStorage M500 (1G iSCSI)	iSCSI	NA	NEC	RemoteDataReplication Version 3 or later	5.0

			StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later		
Bull Optima2000	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima3000	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima1600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0

Bull Optima2600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima3600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima1600 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima2600 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0

Bull Optima3600 (10G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima1600 (1G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima2600 (1G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0
Bull Optima3600 (1G iSCSI)	iSCSI	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 7.4 or later	RemoteDataReplication Version 3 or later	5.0

1. SRA does not support Dynamic Access Restrictions.

Table 55 lists the NEC storage replication adapter supported by SRM.

Partner name : NEC		SRA Name : NEC Storage Replication Adapter			
		SRA Version : 1.0.004			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware name and Version	Management S/W name and version	Replication S/W name and version	SRM Version(s)
iStorage D3-10	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage D3-30	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage D4-30	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage D8-10	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1

iStorage D8-20	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage D8-30 (4G HD)	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage D8-30 (8G HD)	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage M100	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage M300	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1

iStorage M500	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage S2500	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage S2800	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage S2900	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
iStorage S4900	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1

iStorage A4900	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima 1500	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima 2000	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima 3000	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull FDA 2500	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull FDA 2900	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager,	RemoteDataReplication Version 3 or later	4.0, 4.1

			ControlCommand (Japanese) Version 6.1 or later		
Bull FDA 2800	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima1600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima2600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
Bull Optima3600	FC	NA	NEC StorageManager, ControlCommand (English) iStorageManager, ControlCommand (Japanese) Version 6.1 or later	RemoteDataReplication Version 3 or later	4.0, 4.1
1. SRA does not support Dynamic Access Restrictions.					

NetApp

Table 56 lists the NetApp storage replication adapters supported by SRM.

NetApp Storage Replication Adapter version 1.4 NAS

Hardware models	Protocol(s)	Data ONTAP Version(s) ¹	SRM Version(s)
Detailed NetApp- VMware Platform compatibility matrix is available at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select NetApp from Partner Name, and click Update	NFS	7.2.4 and later	4.0, 4.1
1. "and later" includes all future major and minor ONTAP versions (including the 8.x series)			

Table 57 lists the NetApp storage replication adapters supported by SRM.

NetApp Storage Replication Adapter version 1.4.2 for SAN

Hardware models	Protocol(s)	Data ONTAP Version(s) ¹	SRM Version(s)
Detailed NetApp- VMware Platform compatibility matrix is available at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select NetApp from Partner Name, and click Update	FC, iSCSI	7.2.4 and later	4.0, 4.1
1. "and later" includes all future major and minor ONTAP versions (including the 8.x series)			

Table 58 Lists the NetApp Storage Replication Adapters supported by SRM

NetApp Storage Replication Adapter version 1.4.3 for NAS & SAN

Hardware models	Protocol(s)	Data ONTAP Version(s) ³	SRM Version(s)
Detailed NetApp- VMware Platform compatibility matrix is available at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select NetApp from Partner Name, and click Update	FC ² , iSCSI ¹ , NFS ¹	7.2.4 and later	4.0, 4.1
1. MultiStore vFile support for iSCSI or NFS requires minimum ONTAP version 7.3.2			
2. Refer to https://now.netapp.com/Knowledgebase/solutionarea.asp?id=kb58002 when running SRA 1.4.3 in a pure NFS configuration; login required.			
3. "and later" includes all future major and minor ONTAP versions (including the 8.x series)			

Table 59 lists the NetApp storage replication adapters supported by SRM.

Partner name : NetApp		SRA Name : NetApp FAS/V-Series Storage Replication Adapter			
		SRA Version : 2.0			
Hardware/Array Models supported	Protocol(s) supported by SRA	Firmware Name and Version	Management S/W Name and Version	Replication S/W Name and Version	SRM Version(s)
Detailed NetApp- VMware Platform compatibility matrix is available at http://www.vmware.com/resources/compatibility Select Storage/SAN, then select NetApp from Partner Name, and click Update to see the following Models:	FC, iSCSI ¹ , NFS ¹	DATA ONTAP 7.2.4 and later ²	N/A	SnapMirror	5.0
<ol style="list-style-type: none"> 1. MultiStore vFiler support for iSCSI or NFS requires minimum ONTAP verison 7.3.2 2. "and later" includes all future major and minor ONTAP versions (including the 8.x series) 					

Oracle (former Sun Microsystems)

Table 60 lists the Sun Storage 7000 storage replication adapters supported by SRM.

Sun Storage 7000 Storage Replication Adapter Version 4.2.0.13 ¹			
Hardware models	Protocol(s)	Sun Storage 7000 software	SRM Version(s)
Sun Storage 7110, 7210, 7310, 7410 7120, 7320, 7420	NFS,iSCSI, FC	Sun Storage 7000 Q3.2 (ak- 2009.09.01.2.0) 2010.Q3.3.1 and above (ak-2010.08.17.3.1,1-1.28	4.0, 4.0 U1, 4.1

1. SRA does not support Dynamic Access Restrictions.

[Xitech](#)

Table 61 lists the Xitech storage replication adapters supported by SRM.

Xitech Storage Replication Adapter Version 1.5.0.12					
Hardware Models	Protocol(s)	Storage Array Version(s)	Icon Appliance Version(s)	ICON Manager Version	SRM Version(s)
Emprise 7000 Magnitude 3D 4000	FC	8.2.2 and above	6.4.8.3 and above	3.1 and above	4.0, 4.1

Table 62 lists the Xitech storage replication adapters supported by SRM

Xitech Storage Replication Adapter Version 1.6.0.12					
Hardware Models	Protocol(s)	Storage Array Version(s)	CorteX Version(s)	ISE Manager Version	SRM Version(s)
Block Storage Controller (DataCenter and Enterprise)	FC	2.4.411 and above	2.4 and above	3.1.1.5 and above	4.1

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