



Site Recovery Manager Compatibility Matrixes

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Introduction

The following matrixes describe version compatibilities for VMware® Site Recovery Manager.

- [“VMware Site Recovery Manager with ESX Server and VirtualCenter”](#) on page 2
- [“Server Compatibility for SRM”](#) on page 3
- [“Database Compatibility for SRM”](#) on page 3
- [“Operating System Compatibility for VI Client SRM Plugin”](#) on page 5
- [“Guest Operating System Support”](#) on page 5
- [“Guest Operating System Support for Virtual Machine Customization”](#) on page 6
- [“Storage Partners”](#) on page 7
- [“Disclaimer”](#) on page 15

“Yes” means the versions are compatible, “No” means the versions are not compatible. “N/A” means that the support combination does not apply.

VMware Site Recovery Manager with ESX Server and VirtualCenter

Table 1 lists the SRM versions compatible with ESX and VirtualCenter combinations.

Table 1. VMware SRM Compatibility with ESX and VirtualCenter

ESX	VirtualCenter Server
	2.5 Update 1
3.0.2 Update 1	SRM 1.0
3.5 Update 1	SRM 1.0

SRM 1.0 and ESX and VirtualCenter Server Required Patches

Table 2 lists the SRM required patches for ESX and VirtualCenter Server.

Table 2. ESX and VirtualCenter Required Patches

ESX	Required Patches
3.0.2 Update 1	ESX-1003513 ESX-1004214 ESX-1004216 ESX-1005103
3.5 Update 1	ESX350-200805501-BG ¹ ESX350-200805502-BG ESX350-200805503-BG ESX350-200805513-BG ¹ ESX350-200806206-BG
VirtualCenter Server	
2.5 Update 1	None
1. ESX350-200805513-BG and ESX350-200805501-BG will force a reboot of your ESX machine.	

Server Compatibility for SRM

Table 3 provides a list of supported servers for SRM.

Table 3. Server Compatibility for SRM

Vendor	Server	SRM 1.0
Microsoft	Windows XP Professional with SP 2	Yes
	Windows 2003 Server R2	Yes
	Windows 2003 SP1 (all releases except 64-bit)	Yes
	Windows 2000 Server SP4 with Update Rollup 1	Yes

Database Compatibility for SRM

Table 4 provides a list of supported databases for SRM.

Table 4. Database Compatibility for SRM

Vendor	Database Server	SRM 1.0
Microsoft	SQL Server 2000 Standard Edition (SP4)	Yes
	SQL Server 2000 Enterprise Edition (SP4)	Yes
	SQL Server 2005 Standard Edition (SP1)	Yes
	SQL Server 2005 Standard Edition (SP2)	Yes
	SQL Server 2005 Enterprise Edition (SP1)	Yes
	SQL Server 2005 Enterprise Edition (SP2)	Yes
	SQL Server 2005 Enterprise Edition 64-bit (SP2)	Yes
	SQL Server 2005 Express	Yes
	Microsoft SQL Server Desktop Engine (MSDE)	No
Oracle	Oracle 9i Standard Edition, Release 2	Yes
	Oracle 9i Enterprise Edition, Release 2	Yes
	Oracle 10g Standard Edition, Release 1 [10.1.0.3.0]	Yes
	Oracle 10g Enterprise Edition, Release 1 [10.1.0.3.0]	Yes

Table 4. Database Compatibility for SRM (Continued)

Vendor	Database Server	SRM 1.0
	Oracle 10g Standard Edition, Release 2 [10.2.0.3.0] ¹	Yes
	Oracle 10g Enterprise Edition, Release 2 [10.2.0.3.0] 32-bit ²	Yes
	Oracle 10g Enterprise Edition, Release 2 [10.2.0.3.0] 64-bit ²	Yes
	Oracle 11g Standard Edition	No
	Oracle 11g Enterprise Edition	No

1. Driver version 10.02.x.x

2. First apply patch 10.2.0.3.0 to the client and server. Then apply patch 5699495 to the client.Driver version 10.02.x.x

Operating System Compatibility for VI Client SRM Plugin

Table 5 lists the operating systems supported for the VI Client SRM plugin. The plugin is designed to run on Microsoft Windows operating systems and is designed for the 32-bit versions of these operating systems.

Table 5. Operating System Compatibility for VI Client

Vendor	Operating System	SRM Plugin 1.0
Microsoft	Windows 2000 Professional with SP4	Yes
	Windows 2000 Professional with SP4 and Update Rollup 1	No
	Windows XP Professional 32-bit with SP2	Yes
	Windows Server 2003 with SP1	Yes
	Windows Server 2003 with R2	Yes
	Windows Vista Business	Yes
	Windows Vista Enterprise	Yes

Guest Operating System Support

Table 6 lists the operating systems supported for the virtual machines protected by SRM.

Table 6. Guest Operating System Compatibility for Protected Virtual Machines

Vendor	Guest Operating System	ESX
Microsoft	Windows Server 2008	3.5–3.5 U1
	Windows Vista	3.0.2–3.5 U1
	Windows Server 2003	3.0.2–3.5 U1
	Windows XP	3.0.2–3.5 U1
	Windows 2000	3.0.2–3.5 U1
	Windows NT 4.0	3.0.2–3.5 U1
Red Hat	Red Hat Enterprise Linux 5	3.0.2–3.5 U1
	Red Hat Enterprise Linux 4	3.0.2–3.5 U1
	Red Hat Enterprise Linux 3	3.0.2–3.5 U1
	Red Hat Enterprise Linux 2.1	3.0.2–3.5 U1

Table 6. Guest Operating System Compatibility for Protected Virtual Machines

Vendor	Guest Operating System	ESX
Novell	SUSE Linux Enterprise Server 10	3.0.2–3.5 U1
	SUSE Linux Enterprise Server 9	3.0.2–3.5 U1
	SUSE Linux Enterprise Server 8	3.0.2–3.5 U1
Ubuntu	Ubuntu Linux 7.10	3.5 U1
	Ubuntu Linux 7.04	3.0.2–3.5 U1
Novell	NetWare 6.5 Server	3.0.2–3.5 U1
	NetWare 6.0 Server	3.0.2–3.5 U1
	NetWare 5.1 Server	3.0.2–3.5 U1
Sun	Solaris 10 Operating System for x86 Platforms	3.0.2–3.5 U1

Guest Operating System Support for Virtual Machine Customization

[Table 7](#) lists the operating systems supported for customization by SRM.

Table 7. Guest Operating System Compatibility for Virtual Machine Customization

Vendor	Guest Operating System	SRM 1.0
Microsoft	Windows Server 2003 Enterprise SP1	Yes
	Windows XP Professional (NTFS filesystem)	Yes
	Windows XP Professional SP2 (FAT32 filesystem)	Yes
Red Hat	Red Hat Enterprise Linux 5 (Tikanga) (Ext3 filesystem)	Yes
	Red Hat Enterprise Linux 4 AS U6 (Ext3 filesystem)	Yes
	Red Hat Enterprise Linux 3AS U9 (Ext3 filesystem)	Yes
Novell	SUSE Linux Enterprise Server 10 SP1 (ReiserFS Filesystem)	Yes

Storage Partners

VMware Site Recovery Manager software has been tested and deployed in a variety of storage area network (SAN) environments. This section describes the storage replication adapters currently tested by VMware and its storage partners.

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.

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

- [“3PAR”](#) on page 7
- [“Dell EqualLogic”](#) on page 8
- [“EMC”](#) on page 9
- [“FalconStor”](#) on page 11
- [“HP”](#) on page 12
- [“IBM”](#) on page 12
- [“LeftHand Networks”](#) on page 13
- [“NetApp”](#) on page 13

“Yes” means the adapter, hardware, and software are compatible, “No” means the adapter, hardware, and software are not compatible. “N/A” means that the support combination does not apply so the adapter is not supported.

3PAR

[Table 8](#) lists the 3PAR storage replication adapters supported by SRM.

Table 8. 3PAR

3PAR Replication Adapter for VMware Site Recovery Manager Compatibility List For SRA Version 1.0	Firmware Level	Management Software Name and Version
	InForm	InForm Command Line for Windows
Hardware Models	2.2	2.2
E200	Yes	Yes
S400	Yes	Yes
S800	Yes	Yes

Dell EqualLogic

Table 9 lists the Dell EqualLogic storage replication adapters supported by SRM.

Table 9. Dell EqualLogic

Dell EqualLogic Storage Replication Adapter Version 1.0		Firmware revision
		3.2 and above
Hardware Models	PS50E, PS70E, PS100E, PS200E, PS300E, PS400E (14 drive chassis)	Yes
	PS3600X, PS3700X, PS3800XV, PS3900XV (16 drive chassis)	Yes
	PS5000E (16 drive chassis)	Yes
	PS5000X, PS5000XV (16 drive chassis)	Yes

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.

EMC

Table 10 lists the EMC Celerra storage replication adapters supported by SRM.

Table 10. EMC Celerra

EMC Celerra Replicator Storage Replication Adapter Version 1.0 ¹	Supported Back Ends									
	DART	Replicator	CLARiiON CX3-10	CLARiiON CX3-20	CLARiiON CX3-40	CLARiiON CX3-80	Symmetrix DMX2	Symmetrix DMX3	Symmetrix DMX3	
	5.6.36	2.0	Release 26+	Release 26+	Release 26+	Release 26+	Enginuity 5670/5671	Enginuity 5772	Enginuity 5772/5773	
Hardware Models	NS350	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NS500	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NS700	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NS20	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NS40	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NS80	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NSX	Yes	Yes	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²
	NS500G	Yes	Yes	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²
	NS700G	Yes	Yes	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²
	NS40G	Yes	Yes	Yes	Yes	Yes	Yes ²	Yes ²	Yes ²	Yes ²
NS80G	Yes	Yes	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	

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. Only Fabric connections are supported in this configuration.

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

Table 11. EMC CLARiiON MirrorView

EMC CLARiiON MirrorView Storage Replication Adapters

Supporting Software

Hardware Models	Storage Replication Adapter Version	CLARiiON OS	CLARiiON Management Software	CLARiiON Replication Software	Solutions Enabler
CX3-10 FC	1.0.0.6	FLARE Release 26	Navisphere 06.26	MirrorView/Synchronous 03.26 SnapView 03.26	6.5.0 and above
CX3-20 FC					
CX3-40 FC					
CX3-80 FC					
CX4-120 iSCSI and FC	1.1.0.2	FLARE Release 4.28	Navisphere 06.28	MirrorView/Synchronous 04.28 SnapView 04.28	6.5.1 and above
CX4-240 iSCSI and FC					
CX4-480 iSCSI and FC					
CX4-960 iSCSI and FC					

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 12 lists the EMC RecoverPoint storage replication adapters supported by SRM.

Table 12. EMC RecoverPoint

EMC RecoverPoint Storage Replication Adapter Version 1.0 ¹	EMC RecoverPoint 3.0
Hardware Models	
SymmetrixDMX-2	Yes
Symmetrix DMX-3	Yes
Symmetrix DMX-4	Yes
CLARiiON CX3-10 [FC ports]	Yes
CLARiiON CX3-20 [FC ports]	Yes
CLARiiON CX3-40 [FC ports]	Yes
CLARiiON CX3-80 [FC ports]	Yes

Table 12. EMC RecoverPoint

EMC RecoverPoint Storage Replication Adapter Version 1.0 ¹	EMC RecoverPoint
	3.0
IBM DS6000	Yes

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>.

Table 13 lists the EMC Symmetrix SRDF storage replication adapters supported by SRM.

Table 13. EMC Symmetrix SRDF-A & SRDF-S

EMC Symmetrix SRDF Storage Replication Adapter Version 1.0 ¹		Supporting Software	
		Symmetrix Enginuity	Solutions Enabler
Hardware Models	DMX-2	5671	6.5.0 and above
	DMX-3	5771 and above	
	DMX-4		

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>.

FalconStor

Table 14 lists the FalconStor storage replication adapters supported by SRM.

Table 14. FalconStor

Storage Replication Adapter Compatibility List For SRA Version 1.0	Management Software
Hardware Models	IP Stor 5.1 and above
FalconStor Network Storage Server (NSS-210)	iSCSI
FalconStor Network Storage Server (NSS-S12)	iSCSI
FalconStor Network Storage Server (NSS-S12)	FC
FalconStor Network Storage Server (NSS-S24)	iSCSI
FalconStor Network Storage Server (NSS-S24)	FC

HP

Table 15 lists the HP StorageWorks Command View EVA Software storage replication adapters supported by SRM.

Table 15. HP

Storage Replication Adapter Compatibility List For SRA Version 1.0 & EVA Virtualization Adapter 1.0.0		
Hardware Models FC Only	Firmware	Command View
EVA4000	XCS 6.1xx or 6.2xx	v 8.0.1
EVA4100	XCS 6.1xx or 6.2xx	v 8.0.1
EVA4400	XCS 9.xxx	8.0.1
EVA6000	XCS 6.1xx or 6.2xx	8.0.1
EVA6100	XCS 6.1xx or 6.2xx	8.0.1
EVA8000	XCS 6.1xx or 6.2xx	8.0.1
EVA8100	XCS 6.1xx or 6.2xx	8.0.1

IBM

Table 16 lists the IBM storage replication adapters supported by SRM.

Table 16. IBM

Storage Replication Adapter Compatibility List for IBM Arrays		
Hardware Models	Firmware	IBM Storage Manager
DS4200	07.10 and 07.15	10.10 and 10.15
DS4700	07.10 and 07.15	10.10 and 10.15
DS4800	07.10 and 07.15	10.10 and 10.15

If you have comments about this documentation, submit your feedback to: docfeedback@vmware.com

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LeftHand Networks

Table 17 lists the LeftHand Networks storage replication adapters supported by SRM.

Table 17. LeftHand Networks

LeftHand Networks Storage Replication Adapter Version 7.0.01	SAN/iQ	
	Version 7 and above	
Hardware Models	NSM 260	Yes
	NSM 160	Yes
	NSM 2060	Yes
	NSM 2120	Yes
	NSM 4150	Yes
	VSA	Yes
	HP DL 320s	Yes
	HP DL 380	Yes
	Dell 2950	Yes
	IBM x3650	Yes

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.

NetApp

Table 18 lists the NetApp storage replication adapters supported by SRM.

Table 18. NetApp

NetApp Storage Replication Adapter Version 1.0	DATA ONTAP			
	Version 7.2.2	7.2.2 L1	7.2.4 and above	
Hardware Models	FAS 2000 Series FC	No	Yes	Yes
	FAS 2000 Series iSCSI	No	Yes	Yes
	FAS 3000 Series FC	Yes	Yes	Yes
	FAS 3000 Series iSCSI	Yes	Yes	Yes
	FAS6030, FAS6070 FC	Yes	Yes	Yes

Table 18. NetApp

NetApp Storage Replication Adapter Version 1.0	DATA ONTAP		
	Version 7.2.2	7.2.2 L1	7.2.4 and above
FAS6030, FAS6070 Series iSCSI	Yes	Yes	Yes
FAS6040, FAS6080 Series FC	No	No	Yes
FAS6040, FAS6080 Series iSCSI	No	No	Yes

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