

Veritas™ Resiliency Platform 3.1 Hardware and Software Compatibility List

Applicable for Veritas Resiliency
Platform 3.1 and 3.1 Update 1



Veritas Resiliency Platform: Hardware and Software Compatibility List

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Resiliency Platform Compatibility List

This document includes the following topics:

- [Common limitations](#)
- [Compatibility matrix for virtual appliances](#)
- [Compatibility matrix for disaster recovery of virtual machines to Azure](#)
- [Compatibility matrix for disaster recovery of virtual machines to AWS](#)
- [Compatibility matrix for disaster recovery of virtual machines to vCloud Director](#)
- [Compatibility matrix for disaster recovery using NetBackup images](#)
- [Compatibility matrix for disaster recovery of VMware virtual machines to on-premises data center using Resiliency Platform Data Mover](#)
- [Compatibility matrix for disaster recovery of virtual machines using third-party replication technology](#)
- [Compatibility matrix for disaster recovery of applications using third-party replication technology](#)
- [Compatibility matrix for disaster recovery of InfoScale applications](#)
- [Browser compatibility matrix](#)

Common limitations

[Table 1-1](#) lists the features that are not supported in one or more environments using Resiliency Platform.

Table 1-1 Common limitations

Feature not supported	Applicable to
VMware Storage vMotion	VMware environment using third-party replication VMware environment using Resiliency Platform Data Mover replication
VMware fault tolerant virtual machines	VMware environment using third-party replication VMware environment using Resiliency Platform Data Mover replication
VMware Virtual SAN datastore	VMware environment using Resiliency Platform Data Mover replication
Shared Raw Device Mapping (RDM)	VMware environment using Resiliency Platform Data Mover replication
EFI (Extensible Firmware Interface) enabled VMware or Hyper-V virtual machines	VMware or Hyper-V environment using Resiliency Platform Data Mover replication

Compatibility matrix for virtual appliances

[Table 1-2](#) lists the compatibility matrix for virtual appliances.

Table 1-2 Compatibility matrix for virtual appliances

Virtualization Technology	Versions
VMware	vCenter Server 5.1, 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1
[1]	ESXi 5.1, 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1
Hyper-V	Windows Server 2012 Windows Server 2012 R2

[1]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.

Compatibility matrix for disaster recovery of virtual machines to Azure

[Table 1-3](#) lists the compatibility matrix for disaster recovery of virtual machines to Azure.

Table 1-3 Compatibility matrix for disaster recovery of virtual machines to Azure

Virtualization Technology	Versions	Supported guest operating systems
VMware [6]	vCenter Server 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3
	ESXi 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1	Windows Server 2008 R2, 2012, 2012 R2, 2016
Hyper-V	Windows Server 2012 R2	Windows Server 2008 R2, 2012, 2012 R2, 2016

Notes:

[1]. Linux virtual machines are not supported for Hyper-V virtualization technology.

[2]. The replication technology for recovery to Azure is Veritas Resiliency Platform Data Mover.

[3]. For Windows workload virtual machines, PowerShell version 2.0 is supported with .Net version 3.5 and PowerShell version 3.0 is supported with .Net version 4.5.

[4]. RHEL hosts (version 7.0 and above) having multiple NICs need to have NetworkManager-config-routing-rules package installed on them.

[5]. RDM disk is supported in virtual and physical mode.

[6]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.

See [“Common limitations”](#) on page 4.

See [“Browser compatibility matrix”](#) on page 15.

See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery of virtual machines to AWS

Table 1-4 lists the compatibility matrix for disaster recovery of virtual machines to AWS.

Table 1-4 Compatibility matrix for disaster recovery of virtual machines to AWS

Virtualization Technology	Versions	Supported guest operating systems
VMware [8]	vCenter Server 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1	RHEL 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3
	ESXi 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1	Windows Server 2008 R2, 2012, 2012 R2, 2016
Hyper-V	Windows Server 2012 R2	Windows Server 2008 R2, 2012, 2012 R2, 2016

Notes:

[1]. Linux virtual machines are not supported for Hyper-V virtualization technology.

[2]. The replication technology for recovery to AWS is Veritas Resiliency Platform Data Mover.

[3]. AWS paravirtual drivers need to be installed on Windows virtual machines.

[4]. For Windows workload virtual machines, PowerShell version 2.0 is supported with .Net version 3.5 and PowerShell version 3.0 is supported with .Net version 4.5.

[5]. RHEL hosts (version 7.0 and above) having multiple NICs need to have `NetworkManager-config-routing-rules` package installed on them.

[6]. Using China region for recovery to AWS is supported, but not qualified.

[7]. RDM disk is supported in virtual and physical mode.

[8]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.

See [“Common limitations”](#) on page 4.

See [“Browser compatibility matrix”](#) on page 15.

See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery of virtual machines to vCloud Director

The following table lists the compatibility matrix for disaster recovery of virtual machines to vCloud Director.

Table 1-5 Compatibility matrix for disaster recovery of virtual machines to vCloud Director

Virtualization Technology	Versions	Supported guest operating systems
VMware	vCenter Server 5.5 U2 to 6.0 U3, 6.5	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3
	ESXi 5.5 U3 to 6.0 U3, 6.5	Windows Server 2008 R2, 2012, 2012 R2, 2016
Hyper-V	Windows Server 2012 R2	Windows Server 2012, 2012 R2, 2016

Notes:

- [1]. vCloud Director versions 8.0.2 and 8.20 are supported.
- [2]. The replication technology for recovery to vCloud Director is Veritas Resiliency Platform Data Mover.
- [3]. Linux virtual machines are not supported for Hyper-V virtualization technology.
- [4]. For Windows workload virtual machines, PowerShell version 2.0 is supported with .Net version 3.5 and PowerShell version 3.0 is supported with .Net version 4.5.
- [5]. RHEL hosts (version 7.0 and above) having multiple NICs need to have NetworkManager-config-routing-rules package installed on them.
- [6]. VMware Tools or OpenVM Tools (along with DeployPkg for OpenVM Tools version prior to 9.10) need to be installed on the workload virtual machines.
- [7]. Rehearse and cleanup rehearsal operations are not supported for recovery to vCloud Director.
- [8]. Virtual machines with NIC type E1000E are not supported for the use case of recovering VMware virtual machines to vCloud Director without adding vCenter Server.
- [9]. Takeover from vCloud Director to production (on-premises) data center is not supported, if virtual machines are configured for protection without adding Hyper-V Server or vCenter Server.

[10]. RDM disk is supported in virtual and physical mode.

[11]. Starting and stopping of resiliency groups is not supported for the use case of recovery of virtual machines to vCloud Director without adding the vCenter server or Hyper-V server.

See [“Common limitations”](#) on page 4.

See [“Browser compatibility matrix”](#) on page 15.

See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery using NetBackup images

[Table 1-6](#) and [Table 1-7](#) lists the compatibility matrix for disaster recovery using NetBackup Images.

Table 1-6 Virtualization technology compatibility matrix

Virtualization Technology	Version
VMware	vCenter Server 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1
[2]	ESXi 5.5, 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1

Table 1-7 NetBackup component compatibility matrix

Component	Version
NetBackup Master Server	8.0, 8.1
NetBackup Auto Image Replication (AIR)	Targeted Auto Image Replication
NetBackup Appliance	Appliance Version 3.0, Appliance Model 52xx

Notes:

[1]. Virtual SAN datastore is supported for the operation Restore using NetBackup images.

[2]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.

See [“Common limitations”](#) on page 4.

See [“Browser compatibility matrix”](#) on page 15.

See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery of VMware virtual machines to on-premises data center using Resiliency Platform Data Mover

The following table lists the compatibility matrix for disaster recovery of VMware virtual machines to on-premises data center using Resiliency Platform Data Mover.

Table 1-8 Compatibility matrix for disaster recovery of VMware virtual machine to on-premises data center using Resiliency Platform Data Mover

Virtualization Technology	Version
VMware	vCenter 6.0U2, 6.0 U3, 6.5, 6.5U1
[3]	ESXi 6.0U2, 6.0 U3, 6.5, 6.5U1

Note:

- [1]. Refer to the [VMware Compatibility Guide](#) for information about the VMware approved Resiliency Platform Data Mover replication filter.
 - [2]. RDM disk is supported in virtual mode.
 - [3]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.
- See [“Common limitations”](#) on page 4.
- See [“Browser compatibility matrix”](#) on page 15.
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Compatibility matrix for disaster recovery of virtual machines using third-party replication technology

[Table 1-9](#) lists the compatibility matrix for VMware and Hyper-V virtual machines, to be used for disaster recovery using third-party replication technology.

[Table 1-10](#) lists the compatibility matrix for third-party replication technology used with the virtual machines.

Compatibility matrix for disaster recovery of virtual machines using third-party replication technology**Table 1-9** Compatibility matrix for virtual machines

Virtualization Technology	Versions
VMware [14], [18]	vCenter Server 5.1, 5.5, 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1 ESXi 5.1, 5.5, 6.0, 6.0 U1, 6.0 U2, 6.0 U3, 6.5, 6.5U1
Hyper-V [12], [13]	Windows Server 2012 R2

Table 1-10 Compatibility matrix for third-party replication technology for virtual machines

Replication Technology	Array software / Vendor component API/ CLI Version	Storage Model	VMware	Hyper-V
EMC SRDF [4]	EMC Solution Enabler 8.3 or lower version	Symmetrics DMX, VMAX	Supported	Supported
NetApp SnapMirror [1],[2],[3]	ONTAP 7.x and above (Netapp 7 mode), ONTAP 8.2.1, 8.3.2, 9.1 (Netapp cluster mode)	Netapp FAS series	Supported	Supported
Hitachi True Copy/Hitachi Universal Replicator	HORCM - 01- 25-03, Hi-Command - 7.x and above	Hitachi USP, VSP	Supported	Supported
EMC Recover Point [9],[10],[11]	RecoverPoint 4.1, 4.4.1, 5.0, 5.1	VMX/Symmetrix, VNX/Clariion, EMC Unity	Supported	Supported
HPE 3PAR Remote Copy [5],[6]	V3.1 and 3.2	N/A	Supported	Supported
IBM XIV [7],[8]	XCLI version 4.1 to 4.8	N/A	Supported	Supported
IBM SVC [8]	7.1 and 7.3	N/A	Supported	Supported

Compatibility matrix for disaster recovery of virtual machines using third-party replication technology**Table 1-10** Compatibility matrix for third-party replication technology for virtual machines (*continued*)

Replication Technology	Array software / Vendor component API/ CLI Version	Storage Model	VMware	Hyper-V
Hyper- V Replica	N/A	N/A	N/A	Supported

Notes:

- [1]. Hyper-V is supported with NetApp LUNs but NetApp CIFS is not supported.
- [2]. The NetApp SnapMirror replication technology is supported with Async mode only.
- [3]. NFS, FC LUN, and iSCSI storage exported from NetApp arrays are supported.
- [4]. The EMC SRDF replication technology is supported with Sync and Async modes.
- [5]. Only non-shared RDM is supported for HPE 3PAR Remote Copy.
- [6]. The HPE 3PAR Remote Copy replication technology is supported only in periodic mode with the mirror_config policy.
- [7]. IBM XIV Command Line Interface (XCLI) utility version 4.6 on a Linux system is not supported.
- [8]. Using IBM SVC and XIV replication technologies with Hyper-V virtual machines in Microsoft Failover Clustering environment is not qualified.
- [9]. VPLEX storage is not supported for EMC RecoverPoint.
- [10]. Only continuous remote replication (CRR) is supported for EMC RecoverPoint. Continuous data protection (CDP) and concurrent local and remote (CLR) replication are not supported.
- [11]. Shared and non-shared Raw Device Mapping (RDM) is supported for EMC RecoverPoint.
- [12]. Minimum Powershell version supported on Hyper-V Servers is 3.0.
- [13]. Microsoft Failover Cluster (MSFoC) environment is supported.
- [14]. VMware HA is supported.
- [15]. Combination of storage from multiple array technologies is not supported.
- [16]. Combination of replicated and non-replicated storage to virtual machines is not supported.
- [17]. Raw device mapping (RDM) mapped replicated LUNs are not supported for virtual machine disaster recovery.

[18]. Support for VMware vCenter server 6.5U1 and ESXi 6.5U1 has been added in Veritas Resiliency Platform 3.1 Update 1.

See [“Common limitations”](#) on page 4.

See [“Browser compatibility matrix”](#) on page 15.

See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery of applications using third-party replication technology

[Table 1-11](#) lists the compatibility matrix for applications along with the supported platforms under physical, VMware, and Hyper-V environments.

[Table 1-12](#) lists the compatibility matrix for third-party replication technology used with applications.

Table 1-11 Compatibility matrix for applications along with the supported platforms in physical, VMware, and Hyper-V environments

Applications	Version	Linux platforms	Windows platforms
Oracle RDBMS [1],[2],[11]	11g r2 12C r1	RHEL 6.5, 6.6, 6.7, 6.8, 7.0, 7.1, 7.2	Not supported
Microsoft SQL Server [3]	2012 2014	Not supported	Windows 2008 R2 SP1 Windows 2012 R2
Custom App	N/A	RHEL 6.5, 6.6, 6.7, 6.8, 7.0, 7.1, 7.2	Windows 2008 R2 SP1 Windows 2012 R2

Table 1-12 Compatibility matrix for third-party replication technology for applications

Replication Technology	Array software / Vendor component API/ CLI Version	Storage Model
EMC SRDF [7]	EMC Solution Enabler 8.3 or lower version	Symmetrics DMX, VMAX

Table 1-12 Compatibility matrix for third-party replication technology for applications (*continued*)

Replication Technology	Array software / Vendor component API/ CLI Version	Storage Model
NetApp SnapMirror [4],[5],[13]	ONTAP 7.x and above (Netapp 7 mode), ONTAP 8.2.1 and above (Netapp cluster mode)	Netapp FAS series
Hitachi True Copy/Hitachi Universal Replicator	HORCM - 01- 25-03, Hi- Command - 7.x and above	Hitachi USP, VSP
EMC Recover Point [8]	RecoverPoint V4.1, 4.4.1, 5.	VMX/Symmetrix, VNX/Clariion, EMC Unity
HPE 3PAR Remote Copy [6],[13]	V3.1 and 3.2	N/A

Notes:

- [1]. Oracle RAC is not supported.
- [2]. Oracle 12C is supported in traditional mode.
- [3]. MSSQL 2012 and MSSQL 2014 are supported without AlwaysOn.
- [4]. For NetApp arrays, only the NFS and FC LUNs are supported, CIFS is not supported.
- [5]. The NetApp SnapMirror replication technology is supported with Async mode only.
- [6]. The HPE 3PAR Remote Copy replication technology is supported only in periodic mode with the mirror_config policy.
- [7]. The EMC SRDF replication technology is supported with Sync and Async modes.
- [8]. For EMC RecoverPoint, only continuous remote replication (CRR) is supported. continuous data protection (CDP) and concurrent local and remote (CLR) replication is not supported.
- [9]. VMware HA environment is supported.
- [10]. Minimum Powershell version supported on Windows Servers is 3.0.
- [11]. Database user authentication is not supported for Oracle applications.
- [13]. Rehearse and cleanup rehearsal operations is not supported for applications inside virtual machines having data on raw disks mapped to virtual machines and

data replicated through 3PAR RemoteCopy or NetApp SnapMirror through fibre channel.

See [“Common limitations”](#) on page 4.

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See [“Compatibility matrix for virtual appliances”](#) on page 5.

Compatibility matrix for disaster recovery of InfoScale applications

[Table 1-13](#) lists the compatibility matrix for disaster recovery of InfoScale applications.

Table 1-13 Compatibility matrix for disaster recovery of InfoScale applications

Component	Version	Details
Veritas InfoScale Operations Manager [3]	7.0, 7.1, 7.2, and 7.3 HF1 onwards	Supported on Linux and Windows Supported in standalone and HA configuration
Veritas Cluster Server (VCS) [1],[2]	6.0 and above	Supported on AIX, Linux, Solaris, and Windows operating systems

Notes:

[1]. All VCS supported configurations are supported for both Application and Replication technology.

[2]. The GCO failover policy must be manual.

[3]. Veritas InfoScale Operations Manager 7.3 version is not supported.

See [“Common limitations”](#) on page 4.

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Browser compatibility matrix

[Table 1-14](#) lists the browser compatibility matrix.

Table 1-14 Browser compatibility matrix

Browser	Versions	Comments
Microsoft Internet Explorer	10, or later	JavaScript: Enabled Cookies: Enabled
Mozilla Firefox	33.x, or later	JavaScript: Enabled Cookies: Enabled
Google Chrome	38.x, or later	JavaScript: Enabled Cookies: Enabled

Note:

When Popup blockers are turned on, make sure that the filter level set to is medium or lower.