Veritas™ Resiliency Platform Hardware and Software Compatibility List

VERITAS™

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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 machine from Azure / Azure Stack to Azure / Azure Stack

- Compatibility matrix for disaster recovery of virtual machines to AWS

- Compatibility matrix for disaster recovery of virtual machines from on-premises data center to vCloud Director

- Compatibility matrix for disaster recovery of virtual machines from vCloud Director to vCloud Director

- Compatibility matrix for disaster recovery of virtual machines to HUAWEI CLOUD

- Compatibility matrix for disaster recovery using NetBackup images

- Compatibility matrix for disaster recovery of virtual machines using NetBackup Cloud Catalyst

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

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- Compatibility matrix for disaster recovery of physical machines to VMware virtual machines

- Compatibility matrix for disaster recovery of physical machines to AWS

- Compatibility matrix for disaster recovery of physical machines to Azure

- Compatibility matrix for disaster recovery of physical machines to vCloud Director

- Browser compatibility matrix

- Veritas Resiliency Platform components version compatibility

Common limitations

Common limitations lists the features that are not supported in one or more environments using Resiliency Platform.

Table 1-1   Common limitations

Feature not supported	Supported feature	Applicable to
VMware fault tolerant virtual machines		VMware environment using third-party replication VMware environment using Resiliency Platform Data Mover replication
Shared Raw Device Mapping (RDM)		VMware environment using Resiliency Platform Data Mover replication
Shared Raw Device Mapping (RDM)		Hyper-V environment using Resiliency Platform Data Mover replication

Table 1-1   Common limitations *(continued)*

Feature not supported	Supported feature	Applicable to
For EFI (Extensible Firmware Interface) enabled VMware: In-guest replication is not supported For EFI enabled virtual machines on HyperV: Using Veritas Resiliency Platform Data Mover is not supported.	For EFI (Extensible Firmware Interface) enabled virtual machines, 3rd Party replication or VIAO based replication is supported. For EFI enabled virtual machines on HyperV: Only 3rd Party replication is supported.	VMware or Hyper-V environment using Resiliency Platform Data Mover replication, or recovery of VMware environment to AWS cloud data center using NetBackup.
32-bit operating systems		All environments

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 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0
	ESXi 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0
Hyper-V	Windows Server 2012
	Windows Server 2012 R2
	Windows Server 2016
	Windows Server 2019

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	vCenter Server 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0 ESXi 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0 CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6,7.7 SLES 11.4, 12.2, 12.3, 12.4, 15 Windows Server 2012, 2012 R2, 2016, 2019
Hyper-V	Windows Server 2012 R2, 2016, 2019	Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to Azure is Veritas Resiliency Platform Data Mover.

- For PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- Multipathing on target side virtual machines is not supported.

- VMware RDM disk is supported in virtual and physical mode.

- For RHEL 7.6 support in Azure, latest kernel version is needed (For example: 3.10.0-957.12.1el7.x86_64).

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machine from Azure / Azure Stack to Azure / Azure Stack

Compatibility matrix for disaster recovery of virtual machine from Azure / Azure Stack to Azure / Azure Stack lists the compatibility matrix for disaster recovery of virtual machines from Azure to Azure.

Table 1-4   Compatibility matrix for disaster recovery of virtual machines from Azure / Azure Stack to Azure / Azure Stack

Virtualization Technology	Supported guest operating systems
Microsoft Azure cloud	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
	CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
	SLES 11.4, 12.2, 12.3, 12.4, 15
	Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- Azure Ultra disk storage is not supported (other persistent disks storage like Premium SSD, Standard SSD, and Standard HDD are supported).

- The replication technology for recovery to Azure is Veritas Resiliency Platform Data Mover.

- For PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

- Virtual machine with **Unmanaged Disks** is not supported for disaster recovery

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machines to AWS

Table 1-5 lists the compatibility matrix for disaster recovery of virtual machines to AWS.

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

Virtualization Technology	Versions	Supported guest operating systems
VMware	vCenter Server 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0 ESXi 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0	RHEL 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10,7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0 CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 SLES 12.2, 12.3, 12.4, 15 Windows Server 2012, 2012 R2, 2016, 2019
Hyper-V	Windows Server 2012 R2, 2016, 2019	Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to AWS is Veritas Resiliency Platform Data Mover.

- For PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- Using China region for recovery to AWS is supported, but not qualified.

- Multipathing on target side virtual machines is not supported.

- AWS paravirtual drivers (xen) need to be installed on SLES 11.4 virtual machines.

- Installation of ENA drivers is not supported for SLES11 release version 11.4.

- VMware RDM disk is supported in virtual and physical mode.

- For selecting ENA flavors for Microsoft Windows and Linux following are the limitations:

  - AMD processor based instance types whose generation end with an 'a'. For example: (t3a.medium) cannot be used for Microsoft Windows workloads.

  - Instance types whose generation ends with 'd'. For example: (m5ad.xlarge) cannot be used for Linux workloads.

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See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machines from on-premises data center to vCloud Director

Table 1-6 lists the compatibility matrix for disaster recovery of virtual machines from on-premises data center to vCloud Director.

Table 1-6   Compatibility matrix for disaster recovery of virtual machines from on-premises data center to vCloud Director

Virtualization Technology	Versions	Supported guest operating systems
VMware	vCenter Server 6.0 U3, 6.5 U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2 ESXi 6.0 U3, 6.5 U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0 CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 Windows Server 2012, 2012 R2, 2016, 2019
Hyper-V	Windows Server 2012 R2	Windows Server 2012, 2012 R2

Notes:

- vCloud Director versions 8.20, 9.1, and 9.5 are supported.

- The replication technology for recovery to vCloud Director is Veritas Resiliency Platform Data Mover.

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

- For PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- 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.

- Rehearse and cleanup rehearsal operations are not supported for recovery to vCloud Director.

- 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.

- 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.

- RDM disk is supported in virtual and physical mode.

- 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.

- Multipathing on target side virtual machines is not supported.

Compatibility matrix for disaster recovery of virtual machines from vCloud Director to vCloud Director

Table 1-7 lists the compatibility matrix for disaster recovery of virtual machines from vCloud Director to vCloud Director.

Table 1-7   Compatibility matrix for disaster recovery of virtual machines from
                     vCloud Director to vCloud Director

Cloud Technology	Versions	Supported guest operating systems
vCloud Director	8.20, 9.1, 9.5	RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
		CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
		Windows Server 2012, 2012 R2, 2019

Notes:

- The replication technology for recovery to vCloud Director is Veritas Resiliency Platform Data Mover.

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

- For PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

- Rehearse and cleanup rehearsal operations are not supported for recovery from vCloud Director to vCloud Director.

- Evacuation plan is not supported for recovery from vCloud Director to vCloud Director.

- Multipathing on target side virtual machines is not supported.

- Standalone virtual machines with vCloud 9.x are not supported with Resiliency Platform.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machines to HUAWEI CLOUD

Contact Veritas Support for further assistance.

Compatibility matrix for disaster recovery using NetBackup images

Table 1-8 and Table 1-9 lists the compatibility matrix for disaster recovery using NetBackup Images.

Table 1-8   Virtualization technology compatibility matrix

Virtualization Technology	Version
VMware	vCenter Server 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7 U1, 6.7 U2, 6.7U3, 7.0
	ESXi 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7 U1, 6.7 U2, 6.7 U3, 7.0

Table 1-9   NetBackup component compatibility matrix

Component	Version
NetBackup master server [2]	8.1.2, 8.2 and 8.3
NetBackup Appliance	Appliance 3.1.2, 3.2 and 3.3 Appliance Model 52xx

Notes:

[1] NetBackup Master Server 8.1.1 is no longer supported and will go in disconnected state if you have upgraded your environment with Resiliency Platform3.5. You need to upgrade the NetBackup Master Server to 8.1.2 and above to communicate with Resiliency Platform.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machines using NetBackup Cloud Catalyst

Table 1-10 and Table 1-11 lists the compatibility matrix for disaster recovery using NetBackup Images.

Table 1-10   Virtualization technology compatibility matrix

Virtualization Technology	Version
VMware	vCenter Server 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0
	ESXi 6.0, 6.0U1, 6.0U2, 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0

Table 1-11   NetBackup component compatibility matrix

Component	Version
NetBackup master server	8.2, 8.3
NetBackup Appliance	Appliance 3.2 and 3.3 Appliance Model 52xx
NetBackup CloudCatalyst with Automated DR / NetBackup Cloud Recovery Server (CRS)	8.2, 8.3

Notes:

- NetBackup master server is supported with secure communication.

- AWS vm-import process does not support RHEL 8.

- Recovery to AWS with images backed up using MSDP Cloud feature of NBU 8.3 is not supported.

- For compatibility of virtual machines via Netbackup Cloud Catalyst, the support for RHEL 7.7 and above is not supported since AWS VMImport for these OS is not supported. It is supported upto RHEL 7.6. To know more details refer, VM Import/Export Requirements and VM Import/Export User Guide

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

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

Table 1-12 lists the compatibility matrix for disaster recovery of VMware virtual machines to on-premises data center using Resiliency Platform Data Mover.

Table 1-12   Compatibility matrix for disaster recovery of VMware virtual machine to on-premises data center using Resiliency Platform Data Mover

Virtualization Technology	Version	Supported guest operating systems
VMware	vCenter 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0 ESXi 6.5, 6.5U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7 U3, 7.0	RHEL 6.0U2, 6.0U3, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 8.0, 8.1 CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0 SLES 11.4, 12.2, 12.3, 12.4, 15 Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- VMware RDM disk is supported in virtual mode.

- Protection of virtual machines residing on vSAN datastore is supported only for ESXi version 6.5 or later (but it is not supported for ESXi version 7.0).

- Refer to the VMware Compatibility Guide for information about the VMware approved Resiliency Platform Data Mover replication filter.

- Refer to the VMware Product Interoperability Matrices to ensure that the vCenter server version supports the VMware vSphere Hypervisor version.

- From Resiliency Platform 3.5 onwards, IPv6 network is supported for vCenter server configuration.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

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

Table 1-13 lists the compatibility matrix for VMware and Hyper-V virtual machines, to be used for disaster recovery using third-party replication technology.

Table 1-14 lists the compatibility matrix for third-party replication technology used with the virtual machines.

Table 1-13   Compatibility matrix for virtual machines

Virtualization Technology	Versions	Supported guest operating systems
VMware [14]	vCenter Server 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5 U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0	RHEL 6.10, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 8.0
	ESXi 6.0, 6.0 U1, 6.0 U2, 6.0 U3, 6.5, 6.5 U1, 6.5 U2, 6.5 U3, 6.7, 6.7 U1, 6.7 U2, 7.0	CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 8.0
		SLES 11.4, 12.2, 12.3, 12.4, 15
		Windows Server 2012, 2012 R2, 2016, 2019
Hyper-V [12], [13]	Windows Server 2012 R2, 2016, 2019	Windows Server 2012, 2012 R2, 2016, 2019

Table 1-14   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 9.1.0.3 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

Table 1-14   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
Hitachi True Copy/Hitachi Universal Replicator	Command Control Interface (CCI) - 01-46-03/02	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, 3.2, 3.3.1 (MU2)	N/A	Supported	Supported
IBM XIV [7], [8]	XCLI version 4.1 to 4.8	N/A	Supported	Supported
IBM SVC [8] [19]	7.1 and 7.3	N/A	Supported	Supported
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 only for Hyper-V virtual machine disaster recovery.

[18] From Resiliency Platform 3.5 onwards, IPv6 network is supported for configuration of 3PAR, RecoverPoint, and NetApp SnapMirror enclosures.

[19] Metro Mirror is not supported.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

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

Table 1-15 lists the compatibility matrix for applications along with the supported platforms under physical, VMware, and Hyper-V environments.

Table 1-16 lists the compatibility matrix for third-party replication technology used with applications.

Table 1-15 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],[3]	11g r2 12C r1 19c	RHEL 6.5, 6.6, 6.7, 6.8, 7.0, 7.1, 7.2	Not supported

Table 1-16 Compatibility matrix for third-party replication technology for applications

Replication Technology	Array software / Vendor component API/ CLI Version	Storage Model
Oracle Data Guard	12c R2, 19c	N/A

Notes:

[1] Oracle Data Guard supported only using the Data Guard Broker.

[2] Oracle 12c R2 and 19c databases replicated by Data Guard are supported via Discovery Host mode.

[3] Database user authentication is not supported for Oracle applications.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of InfoScale applications

Table 1-17 lists the compatibility matrix for disaster recovery of InfoScale applications.

Table 1-17 Compatibility matrix for disaster recovery of InfoScale applications

Component	Version	Details
Veritas InfoScale Operations Manager Managed Host	7.2 onwards	Supported on Linux and Windows Supported in standalone and HA configuration

Table 1-17   Compatibility matrix for disaster recovery of InfoScale applications *(continued)*

Component	Version	Details
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.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of virtual machines to Orange Recovery Engine

The following table lists the compatibility matrix for disaster recovery of virtual machines to Orange Recovery Engine.

Table 1-18   Compatibility matrix for disaster recovery of virtual machines to Orange Recovery Engine

Virtualization Technology	Versions	Supported guest operating systems
VMware	vCenter Server 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0 ESXi 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5 U2, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0	RHEL 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0 CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7 SLES 11.4, 12.2, 12.3, 12.4, 15 Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to Orange Recovery Engine is Veritas Resiliency Platform Data Mover.

- `UVP VMTools` software package needs to be installed on Windows virtual machines.

- 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.

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

- SCSI device type for Elastic Volume Service (EVS) is not supported.

- ECS types that are based on Xen hypervisors are not supported.

- Multipathing is not supported inside virtual machines.

See "Common limitations" on page 5.

See "Browser compatibility matrix" on page 25.

See "Compatibility matrix for virtual appliances" on page 6.

Compatibility matrix for disaster recovery of physical machines to Orange Recovery Engine

Table 1-19   Compatibility matrix for disaster recovery of physical machines to Orange Recovery Engine

Supported physical machines
RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5
SLES 12.2, 12.3, 12.4, 15
Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to Orange Recovery Engine is Veritas Resiliency Platform Data Mover.

- UVP VMTools software package needs to be installed on Windows physical machines.

- For Windows workload physical machines, the PowerShell version equal to 2.0 and above but less than 3.0 the req .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min req .Net version is 4.5.

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

- SCSI device type for Elastic Volume Service (EVS) is not supported.

- ECS types that are based on Xen hypervisors are not supported.

- Multipathing on target side virtual machines is not supported.

Compatibility matrix for disaster recovery of physical machines to VMware virtual machines

Table 1-20   Compatibility matrix for disaster recovery of physical machines to VMware virtual machines

Supported Physical machines	Supported VMware Version
RHEL 6.10, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 8.0	vCenter Server 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 7.0
CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7	ESXi 6.0, 6.0U1, 6.0U2, 6.0 U3, 6.5, 6.5U1, 6.5U3, 6.7, 6.7 U1, 6.7 U2, 6.7U3, 7.0
SLES 12.3, 12.4, 15	
Windows Server 2012, 2012 R2, 2016, 2019	

Notes:

- The replication technology for recovery of physical machines to VMware virtual machines is Veritas Resiliency Platform Data Mover.

- For Windows workload virtual machines, the PowerShell version equal to 2.0 and above but less than 3.0 the req .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min req .Net version is 4.5.

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

- Starting and stopping of resiliency groups is not supported for recovery of physical machines to VMware virtual machines.

- Shared disks are not supported for recovery of physical machines to VMware virtual machines.

- Multiple subnets at source to single subnet at target is not supported.

- 1 GB free disk needs to be added to the physical server required for replication DRL disk.

- Multipathing on target side virtual machines is not supported.

Compatibility matrix for disaster recovery of physical machines to AWS

Compatibility matrix for disaster recovery of physical machines to AWS lists the compatibility matrix for disaster recovery of physical machines to AWS.

Table 1-21   Compatibility matrix for disaster recovery of physical machines to AWS

Supported physical machines
RHEL 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
SLES 12.2, 12.3,12.4, 15
Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to AWS is Veritas Resiliency Platform Data Mover.

- For Windows workload physical machines, the PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- Using China region for recovery to AWS is supported, but not qualified.

- Multipathing on target side virtual machines is not supported.

Compatibility matrix for disaster recovery of physical machines to Azure

Compatibility matrix for disaster recovery of physical machines to Azure lists the compatibility matrix for disaster recovery of physical machines to Azure.

Table 1-22

Supported physical machines
RHEL 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
SLES 12.2, 12.3,12.4 15
Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to Azure is Veritas Resiliency Platform Data Mover.

- For Windows workload physical machines, the PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- Multipathing on target side virtual machines is not supported.

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Compatibility matrix for disaster recovery of physical machines to vCloud Director

Table 1-23   Compatibility matrix for disaster recovery of physical machines to vCloud Director

Supported physical machines
RHEL 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 8.0
CentOS 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7
Windows Server 2012, 2012 R2, 2016, 2019

Notes:

- The replication technology for recovery to vCloud Director is Veritas Resiliency Platform Data Mover.

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

- For Windows workload virtual machines, the PowerShell version equal to 2.0 and above but less than 3.0 the required .Net version must be in range of 3.5 to 4.5. For PowerShell version equal to 3.0 and above the min required .Net version is 4.5.

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

- Rehearse and cleanup rehearsal operations are not supported for recovery from Physical to vCloud Director.

- Multipathing on target side virtual machines is not supported.

Browser compatibility matrix

Table 1-24 lists the browser compatibility matrix.

Table 1-24   Browser compatibility matrix

Browser	Versions	Comments
Microsoft Internet Explorer	11, 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.

Veritas Resiliency Platform components version compatibility

Ensure that Resiliency Manager and Infrastructure Management Server (IMS) are always at same version.

In replication only takeover operation is allowed when the Replication Gateways are at lower version than Resiliency Managers and IMS; other operations are not supported.