Compatibility Matrices for vSphere Replication 8.3.x

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The *Compatibility Matrices for vSphere Replication 8.3.x* describe the compatibility between vSphere Replication 8.3.x and platform components, VMware solutions, database software, and guest operating systems. Interoperability details for vSphere Replication can be found in the *VMware Product Interoperability Matrices*. The present pages describe how to use that tool to find the relevant information.

Where the *VMware Product Interoperability Matrices* does not provide information relating to vSphere Replication, this information is listed here.

- General Information
- Guest Operating System Support
- Guest OS Quiescing Support

General Information

- vSphere Editions
- Upgrade Path
- Platform Components
- Interoperability with VMware Solutions
- Supported Database Software

vSphere Editions

The license for vSphere Replication 8.3.x is included in the following editions of vSphere

vSphere Edition	vSphere Replication 8.3.x
vSphere Essentials	NO
vSphere Essentials Plus	YES
vSphere Standard	YES
vSphere Enterprise	YES
vSphere Enterprise Plus	YES
vSphere Desktop	YES

Upgrade Path

You can perform in-place upgrades of existing vSphere Replication installations to certain newer versions.

For the most up to date supported upgrade paths for vSphere Replication, check the VMware Product Interoperability Matrices.

1. Click **Upgrade Path**.
2. From the **Select a Solution** menu, select **VMware vSphere Replication**.

Platform Components

For the most up to date ESXi and vCenter Server interoperability, for vSphere Replication 8.3.x, check the VMware Product Interoperability Matrices.

For the supported versions of vSAN, see KB 2150753.

For vCenter Server to vCenter Server replications, the version of the vSphere Replication Management server on the source and the target site can be either 8.2 or 8.3.

Interoperability with VMware Solutions

For the most up to date information on the interoperability of vSphere Replication with VMware solutions, check the VMware Product Interoperability Matrices.

Supported Database Software

vSphere Replication 8.3.x includes only an embedded vPostgreSQL database. vSphere Replication 8.3.x does not support external databases.

Guest Operating System Support

vSphere Replication 8.3.x supports the protection and recovery of virtual machines that run all of the guest operating system

Cookies Settings

NOTE: If support for a guest operating system has been added in an update release of ESXi Server and vSphere Replication, to protect virtual machines that run those operating systems you must update ESXi Server to the corresponding update release as well as updating vSphere Replication. You must update ESXi Server on both the source and target sites.

For the full list of guest operating systems that vSphere 6.5 and later versions support, check the online [VMware Compatibility Guide](#).

1. Go to http://www.vmware.com/resources/compatibility/search.php?deviceCategory=software.
2. Select **Guest OS** from the drop-down menu.
3. For **Product Name** select **ESXi**.
4. For **Product Release Version** select **ESXi** *n,* where *n* is a release of ESXi that vSphere 6.5 and above versions support.
5. To see all the supported versions of guest operating systems from an operating system vendor:
   a. For **OS Family Name**, select **All**.
   b. For **OS Vendor**, select the operating system vendor. For example, select **Red Hat**.
6. To check which updates of a particular operating system is supported:
   a. For **OS Family Name**, select the operating system. For example, select **Red Hat Enterprise Linux 3.0**.
   b. For **OS Vendor**, select **All**.
7. Click **Update and View Results**.

Guest OS Quiescing Support

VSS Quiescing Support

Microsoft Volume Shadow Copy Service (VSS) quiescing is supported for virtual machines running Windows Server 2003, XP, or later versions of Windows. vSphere Replication does not support quiescing for earlier versions of Windows, such as Windows 2000. The quiescing option is unavailable for unsupported operating systems.

NOTE: vSphere Replication 8.3.x does not support VSS quiescing on Virtual Volumes.

When you enable quiescing, vSphere Replication first attempts application level quiescing. If application level quiescing fails, vSphere Replication attempts file-system level quiescing.

Operating System	Application Quiescing	File System Quiescing
Windows Server 2003	Discontinued support	YES
Windows Server 2008	YES *	YES
Windows Server 2008 R2	YES *	YES
Windows Server 2008 R2_x64	YES *	YES
Windows Server 2012	YES *	YES
Windows Server 2012 R2	YES *	YES
Windows Server 2016	YES	YES
Windows Vista	NO	YES
Windows 7	NO	YES
Windows 8	NO	YES
Windows 10	NO	YES

* vSphere Replication performs application quiescing on Windows Server 2008, Windows Server 2012 and Windows Server 2016 by creating a snapshot of the virtual machine. See [Working with Microsoft Shadow Copy](#) and [Linux Backup Implementation](#) for Windows Server 2008 and 2012 limitations.

- The virtual machine must be running on a 6.5 or later host.
- The UUID attribute must be enabled. It is enabled by default for virtual machines created on 4.1 or later. For details on enabling this attribute, see **Enable Virtual Machine Application Consistent Quiescing** in [Working with Microsoft Shadow Copy](#).
- The virtual machine must use SCSI disks only and have the same number of free SCSI slots as the number of disks. Application-consistent quiescing is not supported for virtual machines with IDE or SATA disks.
- The virtual machine must not use dynamic disks.

Linux Quiescing Support

To enable the quiescing of virtual machines that run Linux guest OS, install the latest version of VMware Tools on each Linux machine that you plan to replicate.

NOTE: vSphere Replication 8.3.x supports quiescing for Linux guest OS only for virtual machines that run on ESXi 6.5 hosts or later.

SLES 11 Service Pack 2	NO	YES
SLES 11 Service Pack 3	NO	YES
SLES 12	NO	YES
RHEL 5.5	NO	YES
RHEL 5.9	NO	YES
RHEL 6.4	NO	YES
RHEL 7.0	NO	YES
RHEL 7.1	NO	YES
RHEL 7.2	NO	YES

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