



Interoperability Matrix for All Zerto Software Versions

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ZVR-OPM-7.5-ALL

Interoperability Matrix for All Zerto Versions

This document lists the platforms, their management tools, hosts, and other features supported by the following versions of Zerto.

- For support of a specific release, see the [Product Version Lifecycle Matrix](#) for the support level of each Zerto release. The information in this document covers the features and versions of 3rd party platforms that were tested by Zerto.
- Zerto will support new platforms, management tools and hosts listed in this document within 90 days of the general availability of a new platform release for the Zerto Virtual Replication releases that are in the General Support Phase. See the [Product Version Lifecycle Matrix](#) for more details.
- Zerto assumes that minor update releases are supported (for example, vCenter Server 5.5U1a, 5.5U1b or 5.5U1c), if the major update is supported (for example, vCenter Server 5.5U1).
- Operating systems that reach their end-of-life as defined by their vendor will no longer be supported by Zerto.

Zerto - Supported Matrix		See...
	Zerto with VMWare vSphere	VMware vSphere and VAIO on page 5
	Zerto with vCloud Director	vCloud Director on page 17
 Microsoft Hyper-V	Zerto with Microsoft SCVMM	Microsoft Hyper-V on page 21
 Azure	Zerto with Microsoft Azure	Microsoft Azure on page 28

Zerto - Supported Matrix		See...
	Zerto with Amazon Web Services (AWS)	Amazon Web Services (AWS) on page 31
	Zerto Virtual Manager Features Use this table to identify which Zerto feature is supported in which Zerto version.	Zerto Virtual Manager Features - Support Matrix on page 36
	External Microsoft SQL Servers Use this table to identify which Microsoft SQL Servers are supported as external SQL Server databases.	External SQL Server Databases - Support Matrix on page 39

Some of the platforms and features in the following tables might not temporarily be supported due to reported issues that are still unresolved.

For a list of all **known issues**, see the relevant [Release Notes](#).


Note: For **prerequisites** and **requirements** for per environment, see:


- [Prerequisites and Requirements for VMware vSphere Environments](#)
- [Prerequisites and Requirements for Microsoft Hyper-V Environments](#)
- [Prerequisites and Requirements for Microsoft Azure Environments](#)
- [Prerequisites and Requirements for Amazon Web Services \(AWS\) Environments](#)
- [Prerequisites and Requirements for Cloud Service Providers \(CSPs\)](#)


VMware vSphere and VAIO


Note: All Zerto Enterprise Government Edition (EGE) documentation apply only from the Zerto Enterprise Government Edition GA date.


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
ZVM Operating Systems													
Windows Server 2008 R2 SP1 with KB3033929 and KB2864202	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 base	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
FIPS-mode enabled ZVM host* <small>* Zerto is not FIPS compliant</small>	x	x	x	x	x	x	x	x	x	✓	✓	✓	✓
Virtual Machine Hardware													
Virtual machine hardware versions 7-11, 13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Virtual machine hardware versions 14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Virtual machine hardware versions 15 <small>*Supported from Zerto 6.5U4P1 *Supported from Zerto 7.0U2P2</small>	x	x	x	x	✓*	x	✓	✓*	✓	✓	✓	✓	✓
Management Tools - VMware vCenter Server													
vCenter Server 4.1 and earlier	x	x	x	x	x	x	x	x	x	x	x	x	x
vCenter Server 5.0	✓	✓	✓	✓	✓	x	x	x	x	x	x	x	x
vCenter Server 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
vCenter Server 5.5, 6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter Server 6.5 <small>For Zerto versions v5.5P1 and above, natively supported</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter Server 6.5 U1, 6.5 U2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter Server 6.5 U3	x	x	x	x	✓	x	x	✓	✓	✓	✓	✓	✓
Zerto EGE versions 7.5 U2 and above support: vCenter Server 6.5, 6.5 U1, 6.5 U2, 6.5 U3	x	x	x	x	x	x	x	x	x	x	x	✓	✓
vCenter Server 6.7, 6.7 U1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter Server 6.7 U2	x	x	x	x	✓	x	✓	✓	✓	✓	✓	✓	✓
vCenter Server 6.7 U3 <small>*Supported from Zerto 6.5U4P1 *Supported from Zerto 7.0U2P2</small>	x	x	x	x	✓*	x	x	✓*	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Hosts													
ESX/ESXi 4.1 and earlier	x	x	x	x	x	x	x	x	x	x	x	x	x
ESXi 5.0	✓	✓	✓	✓	✓	x	x	x	x	x	x	x	x
ESXi 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x
ESXi 5.5, 6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESXi 6.5 <small>For Zerto Virtual Replication versions v5.5P1 and above, natively supported.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESXi 6.5 U1, 6.5 U2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESXi 6.5 U3	x	x	x	x	✓	x	x	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Zerto EGE versions 7.5 U2 and above support: ESXi 6.5, 6.5 U1, 6.5 U2, 6.5 U3	x	x	x	x	x	x	x	x	x	x	x	✓	✓
ESXi 6.7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESXi 6.7 U1 <small>¹ Supported when the ESXi host is upgraded. ² Integrated from Zerto v6.0U4P1</small>	x	✓ ¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESXi 6.7 U2	x	x	x	x	✓	x	✓	✓	✓	✓	✓	✓	✓
ESXi 6.7 U3 <small>*Supported from Zerto 6.5U4P1 *Supported from Zerto 7.0U2P2</small>	x	x	x	x	✓*	x	x	✓*	✓	✓	✓	✓	✓
vSphere Clients													
vSphere Client console 4.0 and higher	x	x	x	x	x	x	x	x	x	x	x	x	x
vSphere Client console 4.1 - 6.0U3 (.NET Client)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
vSphere Web (FLEX) Client 5.0-5.0U3 To enable the Flex Web Client, you need to perform the manual procedure described in Zerto Virtual Replication Installation Guide for VMware vSphere > Accessing the Zerto User Interface > Using the Zerto User Interface Within vSphere > Using the vSphere Web Client.	x	x	x	x	x	x	x	x	x	x	x	x	x
vSphere Web (FLEX) Client 5.1 To enable the Flex Web Client, you need to perform the manual procedure described in Zerto Virtual Replication Installation Guide for VMware vSphere > Accessing the Zerto User Interface > Using the Zerto User Interface Within vSphere > Using the vSphere Web Client.	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x
vSphere Web (FLEX) Client 5.5 and 6.0 To enable the Flex Web Client, you need to perform the manual procedure described in Zerto Virtual Replication Installation Guide for VMware vSphere > Accessing the Zerto User Interface > Using the Zerto User Interface Within vSphere > Using the vSphere Web Client.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
vSphere Web (FLEX) Client 6.7	x	x	x	x	x	x	x	x	x	x	x	x	x
vSphere HTML5 Web Client	x	x	x	x	x	x	x	x	x	x	x	x	x
VMware Security													
VMware vShield Edge/vCloud Networking and Security (all versions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ZVR re-IP - Supported Operating Systems on vSphere Hosts													
Windows Server 2003, 2008, 2012, 2016 (all versions), 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Red Hat Enterprise Linux versions 5-7x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SUSE Linux Enterprise versions 10-11.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ubuntu versions 14.10, 15.04	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
CentOS versions 5-7.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Linux versions 6.x - Red Hat Compatible Kernel (RHCK)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Linux versions 6.x - Unbreakable Enterprise Kernel (UEK)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Linux versions 7.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vSphere Features													
16Gb FC HBAs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Datastore clusters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Distributed Switch QoS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Encrypted vMotion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fault Tolerance	x	x	x	x	x	x	x	x	x	x	x	x	x

VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
High availability (HA) with/without admission control (recovery site)* <small>*Test failover, failover, and move will fail if admission control does not enable starting recovered VMs.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Host Affinity Rules and CPU Pinning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Host Secure Boot <small>*Supported when installed without VIB.</small>	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*
Linked Clones <small>Collapsed upon recovery, before reverse protection.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lockdown modes of ESXi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Opaque network <small>(incl. NSX-T)</small>	x	x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protect VMs using thin provisioning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Protected VM DRS and sDRS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stateless ESX over FCoE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storage IO control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storage Profiles <small>Not involved in replication.</small>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Storage vMotion of protected VMs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SDRS for Recovery VRAs	x	x	x	x	x	x	x	x	x	✓	✓	✓	✓
Storage vMotion of VRA recovery disks <small>Cannot perform any operations involving detaching or attaching volumes to the VRA that is undergoing a storage vMotion. This includes all Recovery operations, Creating VPGs, protecting new VMs, and changing Recovery VRA.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vApp support <small>Individual VMs from the vApp can still be protected.</small>	x	x	x	x	x	x	x	x	x	x	x	x	x

VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
vCenter Roles and permissions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter High Availability 6.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCenter High Availability 6.7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VM Encryption	x	x	x	x	x	x	x	x	x	x	x	x	x
vMotion of protected VMs (with/without shared disks for VMs)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VMware Host maintenance mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VM Secure Boot	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VSAN 5.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VSAN 6.2, 6.5, 6.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VSAN 6.7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


VMware vSphere with Zerto Virtual Replication 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
VSAN 6.7U1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VSAN 6.7U2	x	x	x	x	x	x	x	x	✓	x	✓	✓	✓
VSAN 6.7U3	x	x	x	x	x	x	x	x	✓	x	✓	✓	✓
vSphere Flash Read Cache <small>The recovery VM is created without virtual cache enabled.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vVols	x	x	x	x	x	x	x	x	x	x	x	x	x
Storage Specifics													
Virtual NVMe	x	x	x	x	x	x	x	x	x	x	x	x	x


vCloud Director

Note: Protected machines are protected as a vCD vApp in the recovery site vCD. To review which settings are maintained, see *Zerto Virtual Manager Administration Guide for VMware vSphere Environments*, in the section **vApp Settings Maintained when Replicating from a Protected Site vCD to a Recovery Site vCD**.

vCloud Director with Zerto 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Management Tools - VMware vCloud Director using AMQP (Zerto is tested with Rabbit MQ with Erlang/OTP)													
vCloud Director 1.0-1.5.2	x	x	x	x	x	x	x	x	x	x	x	x	x
vCloud Director 5.1-5.6.5	x	x	x	x	x	x	x	x	x	x	x	x	x
vCloud Director 8.0	x	x	x	x	x	x	x	x	x	x	x	x	x
vCloud Director 8.0.1, 8.0.2	✓	✓	✓	✓	✓	x	x	x	x	x	x	x	x
vCloud Director 8.10.x, 8.20.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x
vCloud Director 9.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

vCloud Director with Zerto 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
vCloud Director 9.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCloud Director 9.5	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCloud Director 9.7	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCloud Director 10	x	x	x	x	x	x	x	x	x	x	x	x	x
vCloud Director 10.0.0.1	x	x	x	x	x	x	x	x	x	x	x	x	✓
													
vCloud Director (vCD) Features													
Extended vCloud Networking and Security (vCNS) Services: Five-tuple firewall and IPsec VPN services	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Third-party distributed switch support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vApp Networks <small>Zerto does not replicate the settings of the vApp network such as NAT, Firewall, or DHCP configuration. To replicate all vApp network settings, a post-operation script must be implemented.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
vCD Public Addresses	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

vCloud Director with Zerto 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Elastic Virtual Datacenter	x	x	x	x	x	x	x	x	x	x	x	x	x
Extended vCloud Networking and Security (vCNS) Services*: Five-tuple firewall and IPsec VPN services <small>*With vCD 1.5, settings not replicated with the virtual machines.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fast provisioning using linked clones* <small>*Collapsed upon recovery, before reverse protection.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Metadata (Custom guest Properties) GUI* <small>*Metadata is replicated. Metadata on every vCD entity is supported as it does not interfere with replication.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Org vDC Networks <small>Treat all Org vDC networks as if they were part of the entire Organization.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Snapshots of protected VMs <small>Only vCD VM and vApp metadata.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Sign-On <small>vCenter Server must be connected to Active Directory.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Storage Profiles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

vCloud Director with Zerto 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Storage Profiles with storage clusters as replication targets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS 1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS 1.1, 1.2 Notes: AMQP installer is supported from vCD 9.0 AMQP over SSL is unsupported for all Zerto versions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Microsoft Hyper-V


MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Microsoft Hyper-V													
ZVM Operating Systems													
Windows Server 2008 R2 SP1 with KB3033929 and KB2864202	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 base	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Virtual Machine Hardware													
Generation 1 & 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Management Tools - Microsoft SCVMM													
2012 R2 and Server Core: Update Rollup 1-5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2012 R2 and Server Core: Update Rollup 6-11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2012 R2 and Server Core: Rollup 12-14	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2012 R2 and Server Core: RTM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2016 and Server Core: RTM Rollups 3-5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
2016 and Server Core: RTM Rollup 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2016 and Server Core: RTM Rollup 7	x	x	x	x	x	x	x	x	x	x	x	✓	✓
2016 and Server Core: RTM Rollup 8	x	x	x	x	x	x	x	x	x	x	x	✓	✓
Hosts													
Windows 2012 R2 and Server Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows 2016 Server If Secure Boot is enabled, Windows 2016 Server is not supported.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Microsoft Hyper-V													
ZVR re-IP - Supported Operating Systems on Hyper-V Hosts													
Windows Server 2008, 2012, 2016 (all versions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Red Hat Enterprise Linux version 7.3* <small>*See 5.0U1 Release Notes for additional information.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CentOS version 7* <small>*See 5.0U1 Release Notes for additional information.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Linux version 7* <small>*See 5.0U1 Release Notes for additional information.</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Linux version 7.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Microsoft Hyper-V													
Hyper-V Features													
Dynamic disks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High availability (HA)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clusters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Failover Clustering and Fault Tolerance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pass-through disks (both with a Hyper-V host or virtual machine)*	x	x	x	x	x	x	x	x	x	x	x	x	x
<small>*A Hyper-V host with even one pass-through disk is ignored by Zerto.</small>													
Performance and resource optimization (PRO)	x	x	x	x	x	x	x	x	x	x	x	x	x

MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Dynamic optimization	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multipath I/O	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anti-affinity rules	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Live migration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Quick storage migration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Host maintenance mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Managing virtual machines with <i>run-as-account</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hyper-V Replica	x	x	x	x	x	x	x	x	x	x	x	x	x
Cluster Aware Updating (CAU)	x	x	x	x	x	x	x	x	x	x	x	x	x


MICROSOFT HYPER-V WITH ZERTO VIRTUAL REPLICATION	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Storage Specifics													
Virtual NVMe	x	x	x	x	x	x	x	x	x	x	x	x	x

Microsoft Azure

Note: Zerto Virtual Replication Installation Package for Azure is not supported in v7.5U1.


MICROSOFT AZURE WITH ZERTO VIRTUAL REPLICATION 	Zerto Version													
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3	
Operating Systems														
Windows Server 2012 R2, Windows Server 2016, Windows Server 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Virtual Machine Hardware														
UEFI Firmware <small>*Contact Support</small>	x	x	x	x	x	x	x	x	x	x	N/A	✓*	✓*	
BIOS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Azure Storage Accounts														
General-purpose v1 (GPv1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	


MICROSOFT AZURE WITH ZERTO VIRTUAL REPLICATION 	Zerto Version													
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3	
ZVR re-IP - Supported Windows Operating Systems on Azure														
Windows 2003	x	x	x	x	x	x	x	x	x	x	N/A	x	x	
Windows 2008, 2012 (all versions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Windows 7, 8, 8.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Windows 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
ZVR re-IP - Supported Linux Operating Systems on Azure														
Failing over Linux VMs with static IP is not supported.														
Linux machines with Paravirtual Controller are not supported on Azure.														
Red Hat Enterprise Linux 6.7, 6.9, 7.4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
CentOS 6.3, 7.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Debian 6.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
Oracle 6.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
SUSE version 12.x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	
SUSE version 15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓	


MICROSOFT AZURE WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Ubuntu 14.04, 16.04	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓
Microsoft Azure Features - Supported Azure Regions													
Azure Government regions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓
China	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓
Germany (all)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓
All other regions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	✓	✓

Amazon Web Services (AWS)

Note: Site pairing and replication between AWS sites (AWS to AWS) is currently **not** supported.

AWS WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Operating Systems													
NOTE: ZertoTools is required for supporting Zerto Import for All Volumes import method for Windows machines for failover and failback to VMware sites. For more information about ZertoTools, see Administration for vSphere Environments , in the section ZertoTools for Windows .													
Windows Server 2008 R2 SP1 with KB3033929 and KB2864202	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 base	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

AWS WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Windows Server 2019* <small>*Windows 2019 is supported only when using Zerto Import for All Volumes</small>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Windows 7, 8.1, 10	x	x	x	x	x	x	x	x	x	x	x	x	x
AWS Regions Supported and Tested													
Asia Pacific - North East (Seoul)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Asia Pacific - North East (Tokyo)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Asia Pacific - South East (Sydney)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Asia Pacific - South East (Singapore)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AWS GovCloud (US) (Failover to AWS)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AWS GovCloud (US) (Failover from AWS)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

AWS WITH ZERTO VIRTUAL REPLICATION 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Canada (Central)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
China (Beijing)* Requires Amazon AWS account with a valid ICP license. For further information see AWS documentation .	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EU Central (Frankfurt)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EU West (Ireland)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EU West (London)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Asia Pacific - South (Mumbai)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ohio	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
South America - South America East (Sao Paulo)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
US East (N. Virginia)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
US West (Oregon)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
US West (N. California)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* For using China region in Zerto 7.0 and above, contact Support.

vSphere to AWS - Supported Linux Operating Systems per Import Method

RHEL 6.7	RHEL 6.9	RHEL 7.0	RHEL 7.1	RHEL 7.2	RHEL 7.3	RHEL 7.4	RHEL 7.5	Centos 6.7	Centos 6.9	Centos 7	Ubuntu 14.04	Ubuntu 16.04	SUSE 11 SP3
Zerto Import for All Volumes (Recommended Zerto Import Method)													
Zerto Tools for Linux is required for supporting Zerto Import for All Volumes import method for Linux machines for failover and failback to VMware sites. For more information about ZertoTools, see Zerto Administration Guide for vSphere Environments in the section ZertoTools for Linux .													
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗
Zerto Import for Data Volumes													
✓	✓	✗	✗	✗	✗	✗	✗	✓	✓	✗	✓	✗	✓
AWS Import													
✓	✓	✗	✗	✗	✗	✗	✗	✓	✓	✗	✓	✗	✓

Zerto Virtual Manager - Supported Browsers

Google Chrome	Mozilla Firefox	Microsoft Internet Explorer	Microsoft Edge	Safari
Zerto supports the latest 2 versions	Zerto supports the latest 2 versions	IE 11	Zerto supports the latest 2 versions	Zerto supports the latest 2 versions

Zerto Virtual Manager Features - Support Matrix


Feature	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
File System Indexing and File and Folder Recovery Process													
Operating Systems													
Windows XP and 2003 server	x	x	x	x	x	x	x	x	x	x	x	x	x
Windows Vista and 2008 server and above	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Linux	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
File Systems and Volume Managers													
FAT	x	x	x	x	x	x	x	x	x	x	x	x	x
NTFS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ReFS	x	x	x	x	x	x	x	x	x	x	x	x	x
EXT2/EXT3/EXT4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Feature	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
LVM LVM partitions spanning across multiple disks is supported from Zerto 7.5. Unsupported configurations: LVM over RAID disk LVM is not supported for File System Indexing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Files and Folders													
Compressed Files	x	x	x	x	x	x	x	x	x	x	x	x	x
Sparse Files	x	x	x	x	x	x	x	x	x	x	x	x	x
Encrypted Files	x	x	x	x	x	x	x	x	x	x	x	x	x
Deduplicated Files	x	x	x	x	x	x	x	x	x	x	x	x	x
Links (Symbolic Links, Hard Links / Junctions, Mount Points)	x	x	x	x	x	x	x	x	x	x	x	x	x
Multi-partition Volumes (Spanned / Mirrored / Striped Volumes)	x	x	x	x	x	x	x	x	x	x	x	x	x
Standard Files and Folders	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Offsite Backup - Supported Repository Protocols													
SMB v2.0, 3.0	x	x	x	x	x	x	x	x	x	x	x	x	x

Feature	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Long Term Retention - Supported Repository Protocols													
SMB v1.0	x	x	x	x	x	x	x	x	x	x	x	x	x
SMB v2.0, v3.0	x	x	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓
SMB v3.1.1	x	x	x	x	x	x	x	x	x	x	x	✓	✓
NFS v3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

External SQL Server Databases - Support Matrix

Note: The external ZVM SQL server database recovery model must be configured to Simple.

Supported Microsoft SQL Server Versions	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
 Microsoft SQL Server Enterprise 2008, 2008R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	x*	x*	x*	x*
Microsoft SQL Server Enterprise 2012, 2014, 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server Enterprise 2017	x	x	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server Enterprise 2019	x	x	x	x	x	x	x	x	x	x	x	✓	✓
Microsoft SQL Server Standard 2008, 2008R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x

Supported Microsoft SQL Server Versions 	Zerto Version												
	6.5	6.5U1	6.5U2	6.5U3	6.5U4	7.0	7.0U1	7.0U2	7.0U3	7.5	7.5U1	7.5U2	7.5U3
Microsoft SQL Server Standard 2012, 2014, 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server Standard 2017	x	x	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server Standard 2019	x	x	x	x	x	x	x	x	x	x	x	✓	✓
Microsoft SQL Express Server* 2008, 2008R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x	x
Microsoft SQL Express Server* 2012, 2014, 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Express Server* 2017	x	x	x	x	x	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Express Server* 2019	x	x	x	x	x	x	x	x	x	x	x	✓	✓

* For capacity, click [here](#) to review the Zerto Scale and Benchmarking Guidelines.

Zerto enhances the Zerto IT Resilience Platform by converging disaster recovery and backup to deliver continuous availability within a simple, scalable platform. Zerto delivers enhanced analytics, platform improvements and cloud performance upgrades required in the future of IT resilience.

Learn more at [Zerto.com](https://www.zerto.com).

For assistance using Zerto's Solution, contact: [@Zerto Support](https://twitter.com/ZertoSupport).

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