











Zerto Virtual Replication 4.0 introduces an industry first with support for Microsoft Hyper-V, VMware vSphere which enables cross-hypervisor replication and recovery. With automatic conversion of the virtual machines (VMs) on the fly you no longer have to match the hypervisor between your datacenters. This allows you to utilize the hypervisor of your choosing depending on your workload, cost, performance and availability and not be locked-in.

Zerto Virtual Replication 4.0 enables you to future proof your IT strategy by not being tied into a specific hypervisor or storage vendor for BC/DR and workload mobility. The same license can be used irrespective of the underlying hypervisor or storage technology, allowing you to utilize different hypervisors and not lose any investment made in your BC/DR solution.

This game changing ability allows you to consider utilizing multiple hypervisors in ways that simple weren't possible before.

Feature	Description
 Hypervisor-based Replication	BC/DR for VMware vSphere & Microsoft Hyper-V hypervisors
 Granular, VM-level protection	Granular VM protection with no snapshots and no slowdown
 Storage Agnostic Replication	Replicate from anything to anything removing lock-in
 Continuous Data Protection	Any point in time recovery DVR-like protection
 Full BC/DR Orchestration	Automated failover, failback & non-disruptive isolated testing
 Aggressive Service Levels	Realize RPOs of seconds & RTOs of minutes
 Protect Applications	Recover applications with multi-VM consistency groupings
 Simple Installation	Installation in minutes with no downtime or major change
 Offsite Backup	Always recover with 3rd data copy taken from replicated data
 Complete BC/DR	One software solution for complete BC/DR protection

By enabling hypervisor-agnostic replication and recovery Zerto allows any combination of VMware vSphere and Microsoft Hyper-V hypervisors, depending on the requirements of your workloads and datacenters:

Replicate from VMware vSphere to Microsoft Hyper-V to utilize existing Microsoft licensing in a disaster recovery site

Replicate multiple Microsoft Hyper-V satellite offices into a centralized VMware datacenter

Migrate VMs from VMware vSphere to Microsoft Hyper-V then protect between Microsoft Hyper-V hypervisors for a complete migration and protection solution

Test the failover of VMs between hypervisors in an isolated network with no shutdown in production or break in replication to validate the conversion process and any manual steps required

Consistent management and control of BC/DR irrespective of the underlying hypervisor using same HTML5 based interface

MULTI-HYPERVISOR ARCHITECTURE

With cross hypervisor conversions there are requirements of disk types, network adapters, OS, VM version and guest tools that need to be taken into consideration during the conversion process. The following features support cross-hypervisor replication:

1. Continuous block-level replication of changes between source and target hypervisor disk formats
2. Maintaining or changing IP, MAC Address and Port Group settings per virtual NIC
3. Automatic conversion of VM disk, Virtual NIC and VM hardware versions between hypervisors
4. Automatic failover and failback configuration between VMware vSphere and Microsoft Hyper-V
5. Customization of default settings used for the conversion of VM settings

VMWARE VSPHERE TO MICROSOFT HYPER-V CONVERSION

Description	vSphere Setting	Target Hyper-V Setting
Hypervisor Version	vSphere 4.0 onwards	Hyper-V Server 2012 R2
VM Hardware Version	Version 7 onwards	Gen 1 or Gen 2 VM
VM Firmware	BIOS	Gen 1 VM
	UEFI	Gen 2 VM
Disk and Controllers	Any SCSI Type	SCSI boot disk 0:0 converted to IDE
	RDMs	Converted to VHD/VHDX only
Network Adapters	Any NIC Type	Synthetic for supported Guest OS
Guest OS	32 bit	Gen 1 VM only
	64 bit	Dependent on Hyper-V Support
Guest Tools	VMware Tools	Host integration tools included in Guest OS Server 2012 onwards, manual install for other OS

VMWARE VSPHERE TO MICROSOFT HYPER-V CONVERSION

Description	vSphere Setting	Target Hyper-V Setting
Hypervisor Version	Hyper-V Server 2012 R2	vSphere 4.0 onwards
VM Firmware	BIOS	Highest VM Hardware version supported
	UEFI	VM Version 8 onwards
	UEFI Secure Boot	Not supported
Disk and Controllers	IDE	Converted to SCSI
	Any SCSI Type	LSI Logic SAS SCSI Controller and Disk
	Pass-through disks	Not supported
Network Adapters	Any NIC Type	E1000 NIC
Guest OS	32 bit or 64 bit	Highest VM Hardware version supported
Guest Tools	Host Integration Tools	VMware tools manually installed

SUMMARY

Zerto Virtual Replication 4.0 now forms part of strategic investment for your organization by not being locked-in to a specific hypervisor vendor. When you're hypervisor licensing or next storage refresh is due with Zerto Virtual Replication 4.0 you have the capability to replicate and protect from anything to anything giving you freedom of choice and the capability to pick the best vendor based on cost and SLA, not technical limitations.

Download and install a free trial in minutes at www.zerto.com with no downtime or impact in production.