

Zerto Virtual Replication 4.0 introduces an industry first with support for Microsoft Hyper-V and 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 by technical limitations.

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 VM conversion there are requirements for disk types, network adapters, OS, VM version and guest tools that need to be taken into consideration during the conversion process. The following features enable 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 |

MICROSOFT HYPER-V TO VMWARE VSPHERE CONVERSION

| Description | Hyper-V Setting | Target VMware vSphere 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.