

Zerto Virtual Replication 5.0 Overview

Disaster Recovery and Resilience for Evolving IT™

Zerto Virtual Replication (ZVR) 5.0 is the only future-proof, all-in-one replication and recovery solution that makes enterprise-class disaster recovery simple and scalable. ZVR 5.0 utilizes hypervisor-based replication of VM block-level changes, from any storage to any storage, to enable seamless protection of both VMware vSphere and Microsoft Hyper-V environments. With support for both on-premise and cloud-based recovery, ZVR 5.0 enables you to evolve your IT strategy and improve IT resilience by embracing hybrid cloud today.

With ZVR 5.0 One-To-Many replication, simultaneously protect and recover VMs within the same data center, to multiple target sites and to Microsoft Azure, AWS or one of 300 Zerto Cloud Service Providers, giving you the ultimate freedom of choice.













Quickly restore VMs, files and folders locally from increments in second. Recover multi-VM applications consistently in minutes in the event of an individual application failure or site-wide outage.

Minimize the impact of disasters, logical corruptions or ransomware infections by rewinding and recovering from seconds before the incident occurred, without having to accept the data loss of using backups.

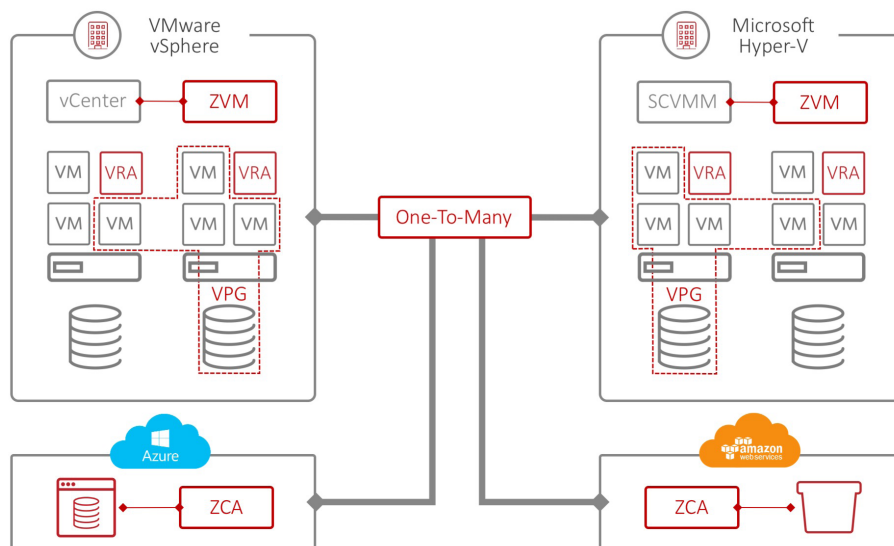
"We virtualized our environment to better leverage assets within our data centers, and we were making great progress, until it came to the BC/DR strategy. A traditional, physical solution was not meeting our needs. ZVR not only met our requirements, it far exceeded our expectations in terms of service levels. We see RPOs of seconds and RTOs of minutes."

James Horrod
Group Server Architect



Feature	Description
 IT Resilience	Remove lock-in & evolve IT with storage & hypervisor-agnostic replication
 Simplicity	Single solution for VMware vSphere & Microsoft Hyper-V disaster recovery
 Hypervisor-based	Scale-out enterprise-class architecture, protect, recover & migrate thousands of VMs
 Always-on	RPOs in seconds & continuous replication of VM block-level changes with no snapshots
 One-To-Many	Simultaneously replicate VMs both locally & to multiple remote sites
 Automation	RTOs in minutes with fully automated recovery & 1-click failback
 Granularity	Rewind and recover VMs & applications from any point in time in up to 30 days
 File-level	Restore files & folders from seconds before corruption, ransomware infection or deletion
 Zerto Mobile	Securely monitor protection across multiple sites from anywhere, anytime
 Prove Compliance	No-impact failover testing & reporting to prove recovery in working hours in minutes
 REST API	Fully automate deployment & VM protection with easy to use ready-made examples
 Future Proof	Utilize ZVR on-premise or replicate to Azure, AWS or 300 Zerto Cloud Service Providers

ARCHITECTURAL OVERVIEW



Components	Description
Zerto Virtual Manager (ZVM)	Central management interface for replication & recovery orchestration, deployed in a Windows VM, 1 per vCenter (4.x to 6.5) or SCVMM (2012 R2+) server for redundancy
Virtual Replication Appliance (VRA)	Scale-out architecture of 1 VRA per hypervisor host utilizing 1 vCPU, 4GB RAM, 12GB disk & 1 IP for continuous VM block-level replication with no snapshots & no impact
Multi-Site Connectivity	Replicate using pre-configured >5Mbps IP links, VPNs, Direct Connect, VPN to VPC for AWS, VPN to Virtual Network or Express Route for Azure
Azure Zerto Cloud Appliance (ZCA)	Combination of a ZVM & VRA running in a Windows Azure D3 v2 VM, storing replica data in a storage account, with preconfigured recovery VMs only created when needed
AWS Zerto Cloud Appliance (ZCA)	Combination of a ZVM & VRA running in a Windows AWS m4.xlarge instance, storing replica data in S3 storage, with preconfigured recovery instances created on demand
One-To-Many Replication	Simultaneously replicate VMs within a local data center, for recovery direct to production, cross-hypervisor, to a DR site, Azure, AWS or one of 300 Zerto Cloud Service Providers
Virtual Protection Group (VPG)	Multi-VM consistency grouping mechanism for consistent recovery of applications, supports VMs across hosts, clusters, storage, HA, vMotion & Storage vMotion
Virtual Disks (vDisk)	Replica data stored as vDisks in target vSphere or Hyper-V environment with compressed journal vDisk for point in time recovery, average 7-10% additional space

About Zerto

Businesses need to be available to their customers, 24/7/365. Zerto provides Resilience for Evolving IT™ by ensuring enterprises and their customers always have access to business-critical applications without any IT interruption, downtime or delay. Zerto's award-winning Cloud Continuity Platform is the simplest, most reliable BC/DR software solution built to protect applications on any virtualized IT environment — be it public, private or hybrid cloud. Zerto's proactive approach to recovery gives companies the confidence they need to withstand any disaster, easily incorporate new technology, and quickly adapt to accommodate evolving IT and business priorities. www.zerto.com