

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 disaster recovery simple and scalable from private, hybrid and to public clouds. Maintain IT resilience as your infrastructure evolves with hypervisor-based replication of VM block-level changes, from any storage to any storage, between VMware vSphere versions and cross-hypervisor for on premise datacenters or the utilize the cloud for Disaster Recovery as a Service.

With ZVR 5.0 simultaneously replicate VMs within the same datacenter, to a remote datacenter and to public clouds such as Azure or AWS with no snapshots, no performance impact and seconds of data loss.













Quickly restore VMs, files and folders locally from increments in seconds or recover complete applications in consistency groups in minutes in the event of an individual application failure or site wide outage.

Utilize point in time compressed journaling of the block-level changes to 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 going to backups.

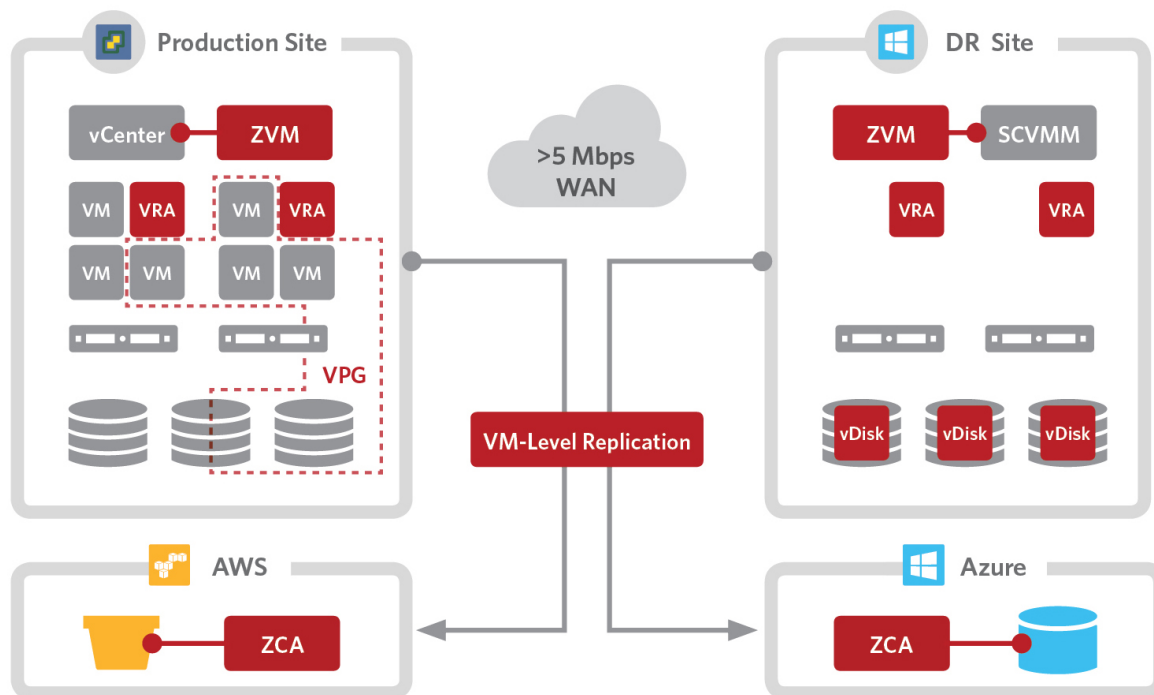
"Healthcare information needs to be protected – we have HIPAA requirements and other regulations that we must adhere to so we have to have a disaster recovery plan in place. Before Zerto, we didn't think it could be so simple. We installed the product in 30 minutes. It has no dependencies on hardware – it isn't even dependent on hypervisor versions. It is the best product for disaster recovery. Period."

Barry Eggert,
Team Lead, Virtualization Team



Feature	Description
 IT Resilience	Remove lock-in & evolve IT with storage & hypervisor-agnostic replication
 Simplicity	Single disaster recovery solution for VMware vSphere & Microsoft Hyper-V
 Hypervisor-based	Scale-out enterprise-class architecture, protect, recover & migrate thousands of VMs
 Always-on	Data loss in seconds & continuous replication of VM block-level changes with no snapshots
 Zerto Mobile	Securely monitor protection across multiple sites from anywhere anytime
 One-To-Many	Simultaneously replicate VMs both locally and to multiple remote sites
 Automation	Recover individual applications or entire sites in minutes with 1-click failback
 Granularity	Re-wind and recover VMs & applications from any point in time from in up to 4 weeks
 File-level	Restore files & folders from seconds before corruption, ransomware infection or deletion
 Prove Compliance	No-impact failover testing and 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 for DRaaS to Azure, AWS or 1 of over 200 Zerto Cloud Providers

ARCHITECTURE OVERVIEW



Zerto Component	Description
Zerto Virtual Manager (ZVM)	Central management interface for replication & recovery orchestration, deployed in a Windows VM, 1 per vCenter or SCVMM management 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
Virtual Protection Group (VPG)	Multi-VM consistency grouping mechanism for consistent recovery of applications, supports VMs across hosts, clusters, storage, HA, vMotion & Storage vMotion
vDisk & Journal 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
VM-level Replication	Replicate over shared or dedicated port groups, VPNs & IP link, multi-site support, 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 a S3, with preconfigured recovery instances only created when needed

WANT TO TRY IT OUT?

Zerto Virtual Replication can be installed, configured and protecting VMs in under 1 hour with no downtime or major production changes. Download your free trial today at www.zerto.com to discover the future of IT resilience with simple and scalable VM-based replication with RPOs in seconds and no snapshots.