

## Zerto Virtual Replication 5.5 for Microsoft Azure

### Disaster Recovery and Resilience for Evolving IT™

Zerto Virtual Replication (ZVR) 5.5 is the only all-in-one replication and recovery solution that makes enterprise-class disaster recovery to the cloud simple and scalable. Installable in minutes with no downtime, simultaneously replicate VMs within the same data center, to a remote data center and to Microsoft Azure. ZVR 5.5 introduces failback from Azure to enable a truly mobile hybrid cloud enterprise, all with the same recovery time of minutes.

By utilizing ZVR 5.5 and Microsoft Azure, the need to provision and manage your own disaster recovery site is removed altogether. Achieve significant cost savings while gaining limitless capacity and scalability on demand.














Quickly restore VMs, files, and folders direct to production from increments in seconds. Recover and migrate complete applications in consistency groups to Azure in minutes in the event of an individual application failure, site-wide outage or as part of a planned migration.

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.

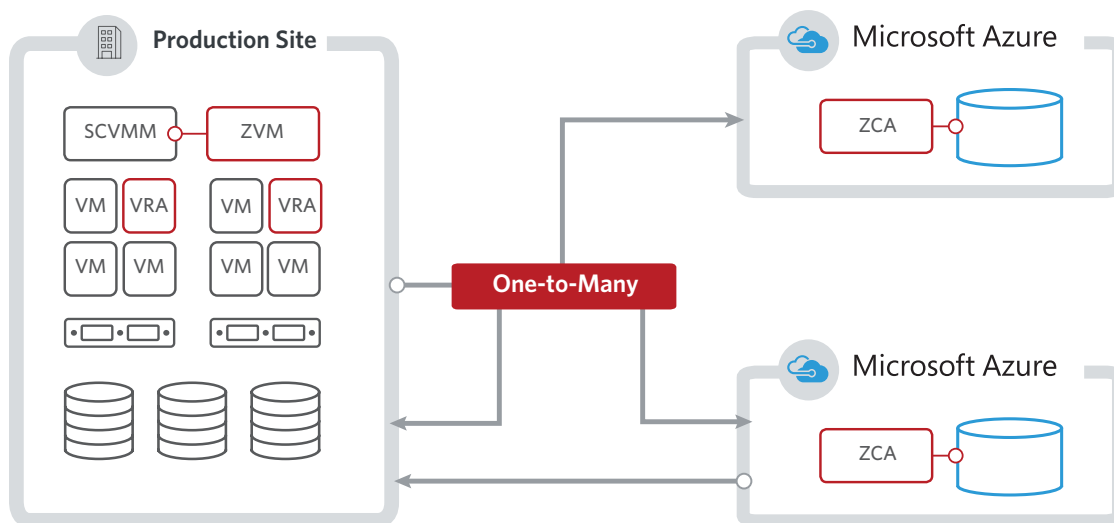
*“Zerto Virtual Replication is the only software capable of helping us to build and manage our hybrid cloud platform, while giving us heterogeneous data and application protection and mobility. The support for Microsoft Azure means we don’t even need to maintain an expensive DR site anymore, while providing RTOs in minutes, RPOs in seconds and complete flexibility.”*

Jayme Williams | **Senior Engineer**



Feature	Description
 <b>IT Resilience</b>	Remove lock-in and evolve IT with storage and hypervisor-agnostic replication and recovery
 <b>Simplicity</b>	Install in minutes with no downtime to protect both VMware vSphere and Microsoft Hyper-V
 <b>Microsoft Azure</b>	Enable significant cost savings by utilizing Microsoft Azure as a disaster recovery site
 <b>Cloud Efficient</b>	Only pay for what you use, no recovery VMs created until needed with limitless burst capacity
 <b>Hypervisor-based</b>	Scale-out enterprise-class architecture, protect, recover, and migrate thousands of VMs
 <b>Always-on</b>	RPOs in seconds & continuous replication of VM block-level changes
 <b>One-to-Many</b>	Simultaneously replicate VMs both locally and to Microsoft Azure, recover direct to production
 <b>Automation</b>	RTOs in minutes with fully automated recovery and migrations to — and reverse replication out of — Azure
 <b>Granularity</b>	Rewind and recover VMs and applications from any point in time in up to 30 days
 <b>File-level</b>	Restore files and folders from seconds before corruption, ransomware infection, or deletion
 <b>Prove Compliance</b>	No-impact failover testing and reporting to prove recovery in working hours in minutes
 <b>Zerto Mobile</b>	Securely monitor protection across multiple sites from anywhere, anytime
 <b>Free Trial</b>	Embrace a truly hybrid cloud using ZVR 5.5 and Microsoft Azure

## 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
Azure Connectivity	Using a >5Mbps link pre-configure a VPN to a VM Virtual Network or use Express Route for Azure to enable replication between on-premise virtual infrastructure and Microsoft Azure
Azure Zerto Cloud Appliance (ZCA)	Combination of a ZVM & VRA installed in a Windows Azure D3 v2 VM deployed from the Azure Marketplace by searching for "Zerto Virtual Replication for Azure"
Azure Storage	Replica VMs & journal data for point in time recovery stored as cheap blob and block storage in a storage account, automatically created in the same region as the ZCA
One-To-Many Replication	Simultaneously replicate VMs within local data center, for recovery direct to production, cross-hypervisor, to a DR site & to multiple Azure regions
Virtual Protection Group (VPG)	Multi-VM consistency grouping mechanism for consistent recovery of applications, supports VMs across hosts, clusters, storage, HA, vMotion & Storage vMotion
Azure Recovery Settings	On each VPG pre-configure VM networks, subnets, network security groups, re-IP addressing & VM sizes to enable automated recovery to Azure in minutes

### 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](http://www.zerto.com)