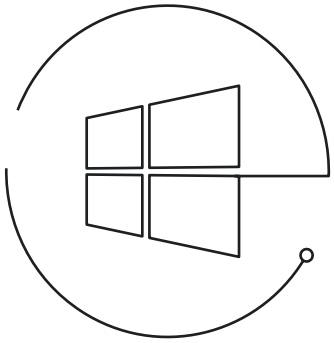
DRAAS
ZERTO TO MICROSOFT AZURE

Confidence in continuity



Zerto Virtual Replication (ZVR) is the fastest enterprise-class recovery solution to Microsoft Azure. Removing the need to provision and manage expensive physical DR sites means you can dramatically drive down costs and operational overheads.

No other solution can simultaneously replicate VMs on-premises and to Microsoft Azure with multi-VM consistency groupings, any-point-in-time recovery, RPOs in seconds and on-the -fly conversion to deliver RTOs in minutes — making ZVR the only enterprise-class DR solution to Microsoft Azure.

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.

Using Microsoft Azure APIs, ZVR moves production workloads to Microsoft Azure from VMware vSphere and Microsoft Hyper-V data centres with automatic, on-the-fly VM conversion. Replication from Microsoft Azure supports failover, 30-day journal and off-site cloning.

- Continuous, bi-directional data protection
- Rewind and recover anything from any point time
- Remove complex & expensive DR sites
- Flexible, pay-as-you-go model lowers IT costs
- No-impact failover testing and reporting
- Real-time replication to blob storage account
- Simultaneously replicate VMs locally & to Azure
- Incrementally adopt the cloud and migrate workloads as needed

Zerto Azure

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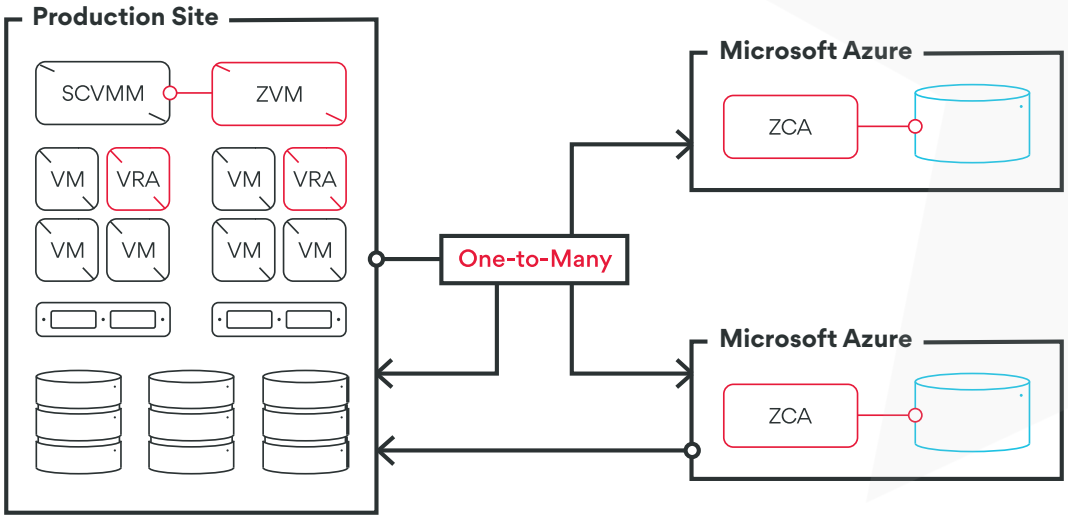
Architectural Overview



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 AzureMarketplace 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, crosshypervisor, 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

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