Zerto
Datasheet

Zerto Virtual Replication on IBM Cloud

Your Cloud, Your Way - Multi-Cloud, Hybrid Cloud

Zerto Virtual Replication delivers IT Resilience in a single platform for disaster recovery, data protection and workload mobility to and from the cloud that is simple and scalable. Installable in minutes with no downtime, simultaneously replicate VMs within the same datacenter, to a remote datacenter and to IBM Cloud. Zerto Virtual Replication includes bi-directional replication and offers mobility features to migrate workloads to on premises and other public clouds.

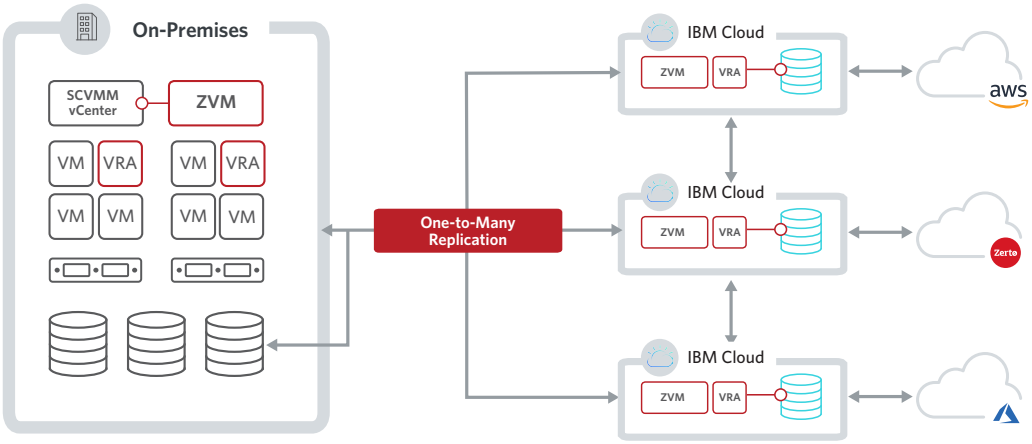
With Zerto Virtual Replication realize the true potential of IBM Cloud by moving application and data workloads from on-premises to the IBM cloud (and back). This provides limitless capacity and scale on demand. IBM Cloud is designed to be hybrid and multi-cloud with the ability to replicate and failover between IBM Cloud and Azure or AWS.

Installation of Zerto to the IBM Cloud is automated and easy which greatly reduces the time to deploy. Data transfer within IBM Cloud is at no additional cost and leverages the high speed private IBM backbone network worldwide. This minimizes risk and reduces overall costs. IBM Cloud and Zerto offer customers recovery point objectives (RPOs) of seconds and recovery time objectives (RTOs) of minutes.

Minimize the impact of disasters, logical corruptions or ransomware infections by utilizing the power of Journal based recovery to restore VMs, files and folders direct to production from within seconds before the incident occurred, without having to accept the high data loss of using backups. With consistency groupings, migrate and recover complete applications to and from IBM in the event of an individual application failure, site-wide outage, or as part of a planned migration.

Feature	Description
IT Resilience	Remove lock-in and evolve IT with storage- and hypervisor-agnostic replication and recovery
Hypervisor Access	IBM Cloud allows direct access to the bare metal hypervisor for rapid replication and restores
Security & Isolation	Single tenant offering, allowing for physical isolation of compute, network, and storage resources
Simplicity	Install in minutes with no downtime to protect both VMware vSphere and Microsoft Hyper-V
IBM Cloud	Enable significant cost savings by utilizing IBM Cloud as a disaster recovery site with over 60+ global datacenters
Cloud Efficient	Only pay for what you use, no recovery VMs created until needed with limitless burst capacity
Hypervisor-based	Scale-out enterprise-class architecture; protect, recover, and migrate thousands of VMs
Always-on	RPOs in seconds and continuous replication of VM block-level changes with no snapshots
One-to-Many	Simultaneously replicate VMs both locally and to IBM Cloud, recover direct to production
Automation	RTOs in minutes to IBM Cloud with fully automated recovery and migrations
Granularity	Rewind and recover VMs and applications from any point in time in up to 30 days
File-level	Restore files and folders from seconds before corruption, ransomware infection or deletion
Prove Compliance	No-impact failover testing and reporting to prove recovery in minutes during working hours
Zerto Mobile	Securely monitor protection across multiple sites from anywhere, anytime

ARCHITECTURE OVERVIEW



Components	Description
Zerto Virtual Manager (ZVM)	Central management interface for replication and recovery orchestration, deployed in a Windows 2012 R2 Server VSI, 4vCPU, 8GB RAM, 100GB SAN storage
Virtual Replication Appliance (VRA)	Scale-out architecture of 1 VRA per hypervisor host utilizing 1 vCPU, 4GB RAM, 12GB disk and 1 IP for continuous VM block-level replication with no snapshots and no impact
IBM Cloud Connectivity	Using a >5Mbps link pre-configure a VPN to a VM Virtual Network to enable replication between on-premises virtual infrastructure and IBM Cloud
IBM Cloud Storage	Depending on the environment, replication storage may be either VMware vSAN storage or IBM Cloud Endurance shared NAS
One-To-Many Replication	Simultaneously replicate VMs within local datacenter, for recovery direct to production, cross-hypervisor, to a DR site and to multiple IBM Cloud regions and other multi-clouds including Azure or AWS
Virtual Protection Group (VPG)	Multi-VM consistency grouping mechanism for consistent recovery of applications, supports VMs across hosts, clusters, storage, HA, vMotion, and Storage vMotion
IBM Cloud Recovery Settings	On each VPG pre-configure VPC networks, subnets, security groups, re-IP addressing and instance sizing to enable fully automated recovery to IBM Cloud

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**

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