Zerto

Datasheet

Zerto Virtual Replication for Amazon Web Services

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, from, and between multiple clouds. Installable in minutes with no downtime, you can simultaneously replicate VMs within the same datacenter, to a remote datacenter and to AWS. From AWS, Zerto Virtual Replication empowers you to fail back to on-premises and to migrate workloads to other public clouds.

Zerto provides agentless enterprise-class replication utilizing the cost effectiveness and flexibility of S3 to store replicated data, recovering workloads as needed into EC2 in an automated manner. With Zerto Virtual Replication, you can realize the true potential of AWS with the ability to migrate and protect application workloads in the public cloud and migrate those workloads back out as needed. This flexibility minimizes costs and risk while gaining on-demand, limitless capacity and scale when you need it.

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 AWS in the event of an individual application failure, site-wide outage, or as part of a planned migration.

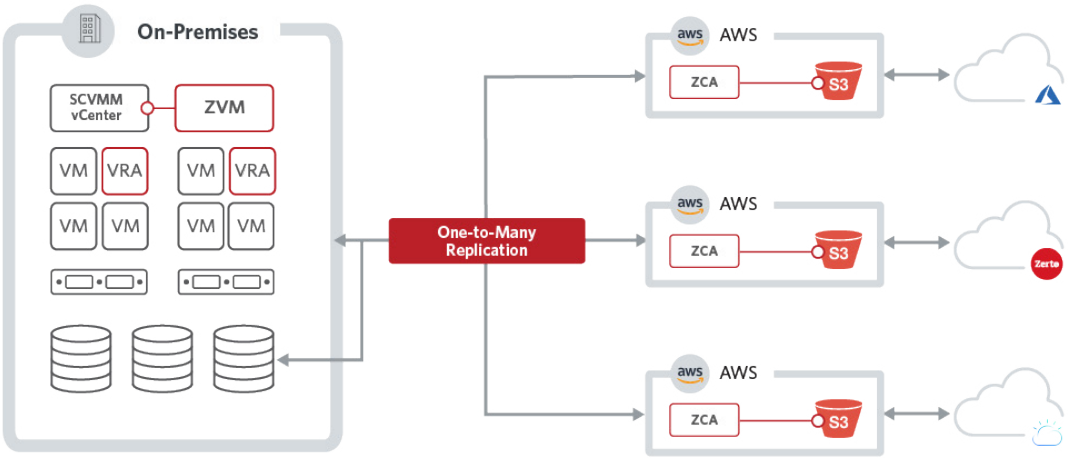
"We were up and running and replicating to AWS in less than an hour! Our Zerto Virtual Replication installation was much easier than other installation we've done. With Zerto Virtual Replication and AWS our RPO decreased from 1 week to 10 seconds, our RTO from five weeks to 3-4 hours and even our non-technical employees would be able to manage Zerto – that's how easy it is."

Tim Tweten | **IT Manager**

logobrands

Feature	Description
IT Resilience	Remove lock-in and evolve IT with storage- and hypervisor-agnostic replication and recovery
Multi-Cloud	Enabling workload mobility to and from both on-premises and public clouds
Simplicity	Install in minutes with no downtime to protect both VMware vSphere and Microsoft Hyper-V
Amazon Web Services	Enable significant cost savings by utilizing AWS as a disaster recovery site, replicating to S3
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	Recovery point objectives (RPOs) in seconds and continuous replication of VM block-level changes when replicating to AWS
One-to-Many	Simultaneously replicate VMs both locally and to AWS, recover direct to production
Automation	Recovery time objectives (RTOs) in minutes to AWS with fully automated recovery and migrations and orchestrated failback and migration to on-premises and public cloud
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 Analytics	Securely monitor protection across multiple sites from anywhere, anytime

ARCHITECTURAL OVERVIEW



Components	Description
Zerto Virtual Manager (ZVM)	Central management interface for replication and 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 and 1 IP for continuous VM block-level replication with no snapshots and no impact
AWS Connectivity	Using a >5Mbps link pre-configure a VPN to a VPC or use Direct Connect to enable replication from on-premises virtual infrastructure to AWS
AWS Zerto Cloud Appliance (ZCA)	Combination of a ZVM and VRA installed in a Windows 2012 R2+ M4 xLarge EC2 instance, deployed and configured manually to enable replication into AWS
AWS Storage	Replica VMs and journal data for point-in-time recovery stored in cost effective S3 storage, bucket automatically created in the same region as the ZCA with optional encryption
One-to-Many Replication	Simultaneously replicate VMs within local datacenter, for recovery direct to production, cross-hypervisor, to a DR site, and to 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
AWS Recovery Settings	On each VPG pre-configure VPC networks, subnets, security groups, re-IP addressing, and instance sizing to enable fully automated recovery to AWS

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**

08603