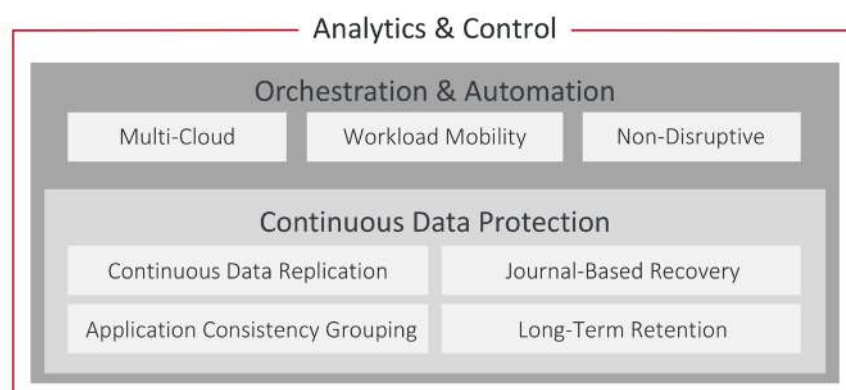


VM Based Replication Feature Comparison

A Comparison of Zerto vs. Current and Legacy BC/DR Technologies for Virtual Machines

Zerto, a Hewlett Packard Enterprise company, converges disaster recovery, backup, and workload mobility whether on-premises or to, from, and between hybrid and multi-cloud environments. Built on a foundation of continuous data protection (CDP) with built-in orchestration and automation capabilities, the Zerto solution provides you with simplicity, enterprise scale, and agile data protection to save time, resources, and costs. Analytics, with intelligent dashboards and live reports, gives you complete visibility across multi-site and multi-cloud environments and instills confidence that business service levels and compliance requirements are met.



Continuous Data Protection

- **Continuous Data Replication**—Zerto delivers NEAR ZERO recovery point objectives (RPOs) by replicating every block that is generated in near real-time. Performed at the hypervisor level, this enables continuous capability by removing any production impact to VMs.
- **Journal-Based Recovery**—All replicated changes are stored in a dynamic journal for one hour to 30 days providing incredible recovery granularity through checkpoints inserted every few seconds—scaling to thousands of servers.
- **Application Consistency**—Virtual Protection Groups (VPGs) allow you to protect multiple VMs together in a consistent fashion, ensuring every point in time that is inserted into the Zerto journal is from the same point in time for all VMs within the VPG. This allows app-centric recovery of an entire application and all its VM dependencies to the same point in time.

COMPARED TECHNOLOGIES

The current and legacy solutions compared in this document include:

Zerto

Enterprise-class replication, recovery orchestration and automation

RecoverPoint for VMs (RP4VM)

Hypervisor based replication, CDP, and recovery solution for VMware BC/DR

Array Based Replication (ABR)

LUN replication between storage arrays with manual recovery and testing operations

SRM + vSphere Replication (VR)

SRM utilizing the vSphere replication engine for VM-level protection for VMware BC/DR

Veeam Replication

Replication using Veeam Backup & Replication utilizing snapshots for VMware & Hyper-V

Rubrik

Hardware (briks) based BC/DR provides data restoration and archival across on-premise and the cloud

Commvault

Snapshot based software only backup and replication solution

Cohesity

Appliance based hyperconverged storage and backup solution

Orchestration & Automation

Built-in orchestration and automation enable fast and simple management of workloads at scale with minimal touch, allowing IT resources to shift their focus toward innovation and services that help your business run more efficiently.

- Zerto supports your multi-cloud and hybrid cloud strategy, including VMware, Azure, IBM Cloud, AWS and hundreds of Cloud Service Providers (CSPs).
- All recovery settings are configured up-front, such as boot order and re-IP failover well before any disaster or other event occurs, thus greatly simplifying the recovery process.
- You can configure different settings for test failovers, ensuring that test failovers/ moves can be run at any time with zero impact on production or protection.

Analytics & Control

Zerto analytics provides one single, comprehensive view of your entire multi-site, multi-cloud, and multi-platform environment. Built-in intelligent dashboards provide real-time and historical analysis of the health and protection status of your applications and data. Metrics, such as average RPO, network performance, and storage consumption, help you spot trends, identify anomalies, and troubleshoot issues. The powerful resource planning capability continuously monitors and analyzes compute, storage, and network resources across on-premises environments and public, private, and hybrid clouds to give you confidence of your resource requirement needs.

Comparison Matrix

	Zerto	RP4VM	SRM & ABR	SRM & VR	Veeam	Cohesity	Commvault	Rubrik
Single solution for ransomware recovery, DR, multi-cloud mobility	Y	N	N	N	N	N	N	N
Easy install & live replication in minutes (not weeks)	Y	N	N	N	N	N	N	N
Hypervisor, cloud & storage agnostic replication	Y	N	N	N	Y	N	Y	N
Continuous data protection from edge to cloud	Y	Limited	N	N	N	N	N	N
Integrated orchestration for VM recovery	Y	Y	Limited	Limited	Limited	Limited	Limited	Y
Multi-VM consistency grouping	Y	Y	Limited	N	N	N	N	N
Journal-based point in time recovery	Y	Y	N	Limited	Limited	Limited	Limited	Y
Simultaneous one-to-many VM replication	Y	N	N	N	N	N	N	N
No-impact failover testing & reporting	Y	Limited	Y	Y	Limited	Limited	Limited	N
Analytics platform for monitoring & reporting	Y	N	N	N	Limited	N	Limited	Y
Software only scale architecture	Y	N	N	Y	Y	N	Y	N

About Zerto

Zerto, a Hewlett Packard Enterprise company, empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications. Zerto eliminates the risk and complexity of modernization and cloud adoption across private, public, and hybrid deployments. The simple, software-only solution uses continuous data protection at scale to solve for ransomware resilience, disaster recovery, and multi-cloud mobility. Zerto is trusted by over 9,500 customers globally and is powering offerings for Amazon, Google, IBM, Microsoft, and Oracle and more than 350 managed service providers. www.zerto.com

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