

Zerto vs. Veeam

5 Reasons to Choose Zerto Over Veeam Data Platform

Almost every enterprise needs applications that are always on and globally accessible. However, implementing an availability and data protection solution that satisfies enterprise needs to run an always-on business can be challenging. Enterprises are continuously looking for the simplest and easiest path to achieve their availability goals.

Veeam is often positioned as a tool that can get customers to always-on status. But, as with any availability strategy, not all approaches can reliably meet enterprise demands. Achieving positive outcomes involves the right people, processes, and technology.

Zerto, a Hewlett Packard Enterprise company, delivers enterprises a clear path to achieve an always-on and always-available business no matter where your data may live. From its simplicity, granular recovery, and cloud mobility capabilities to enterprise-scale protection, Zerto is the clear choice for achieving always-on availability.

Here are the top five reasons to choose Zerto:

1 Real-Time Detection and Protection

Data integrity and rapid data recovery go hand in hand. Being able to know if you are replicating good data and when there may be data compromise—such as data encryption from ransomware—is critical for any disaster recovery operation, ransomware resilience strategy, or data migration.

- Zerto is the pioneer of continuous data protection (CDP), a protection mechanism that allows organizations to continuously capture and track data modifications leveraging block-level tracking in real time. This enables users to quickly restore data and applications to any point in time with virtually no data loss.
- Leveraging the power of CDP, Zerto can deliver in-line, real-time ransomware detection. Zerto inspects blocks as they stream in to alert immediately when anomalous encryption behavior is detected. Zerto then tags checkpoints in the journal to determine potential good and bad restore points, which can help validate the integrity of your data prior to recovery.

2 Simplicity at Scale

When we look at the demands of the enterprise, the ability to protect and manage the replication of VMs (virtual machines) at scale is non-negotiable. Enterprises need the flexibility to scale data protection at the speed of business without manual and complex planning.

- Veeam takes careful planning and sizing to deploy at scale without straining resources. The installation requires multiple components such as proxy servers, agents, and other management services to protect workloads.
- Zerto was designed with scale in mind, leveraging an auto-protect, scale-out architecture. This allows you to protect workloads and applications at the speed of business, whether you have hundreds or thousands of VMs.
- Zerto is a single software experience that allows you to protect, recover, and move data from the same user interface. Veeam requires separate products, instances, and downloads for backup, disaster recovery, orchestration, and analytics. This makes licensing complex and management burdensome.

3 Granular Recovery

Whether you're dealing with a migration, natural disaster, or manmade disaster like ransomware, you need to be able to resume operations without delay or data loss. Reducing data loss and downtime is more critical than ever, and using a trusted agentless CDP technology is crucial.

- Veeam has severe limitations when it comes to granular recovery. Their version of granular recovery leverages third-party technology, involves careful configuration settings to successfully achieve lower recovery point objectives (RPOs), and is only able to have granular recovery check point storage for up to 24 hours.
 - Zerto has always delivered recovery with agentless, always-on, near-synchronous replication, with seconds of granularity that can be stored up to 30 days. This gives you the most flexibility for recovery, no matter what type of disruption you may face.
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4 Native Application-Centric Protection

Enterprise applications are rarely made up of a single VM—they typically consist of multiple dependent VMs, services, and processes. These complex multi-VM applications require all their components to be protected and recovered together to quickly bring them back online.

- While Veeam markets workload grouping categories, this is only able to deliver grouping capabilities from a management perspective. While you may logically group workloads that have dependencies or are related to one another, workloads are not consistently protected as a group. Veeam only supports a per-VM consistency.
 - Zerto provides application-centric protection without compromise. It delivers the best of both crash-consistent and application-consistent protection without sacrificing recovery point granularity or performance. Zerto's application-centric protection can create groups of all sizes, from one VM to hundreds.
 - Zerto replicates all VMs belonging to an application at the same consistent checkpoint, regardless of the number of disks or VMs, while Veeam performs incremental backups and snapshot VMs (belonging to the same application) at different points in time.
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5 Robust Orchestration and Automation

Whether dealing with a migration or disaster event, enterprises have a critical need to quickly restore business operations. These events typically involve precise coordination between many business units and departments, and any delay can lead to increased downtime and cost. Eliminating manual tasks helps enterprises achieve their recovery SLAs and reduce costly downtime.

- Enabling orchestration and automation capabilities with Veeam is complex. Veeam requires separate products, instances, and downloads for backup, disaster recovery, orchestration, and analytics. This makes setup, configuration, and management extremely burdensome and can lead to unreliability when you need these capabilities most.

- Zerto delivers simple and seamless built-in orchestration and automation that enables easy workload testing, live failovers, auto-deployment of Zerto components to newly added hosts or clusters, and auto-protection of VMs, as well as auto-loading balance for replication.
- While fast recovery times to disaster recovery sites are important during a disruption, resuming operations back to production environments is equally important. This avoids declined performance and limitations. Zerto delivers automatic reverse protection back to production after a disaster event to help streamline IT operation restoration.

Zerto's software-only approach provides agentless freedom, zero-impact scalability, and a lower TCO that Veeam simply can't match. Learn more below about how Zerto unites ransomware resilience, DR, and workload mobility into one industry-leading solution.

Zerto vs. Veeam: Feature by Feature	Zerto	Veeam
Continuous Data Protection		
In-line, real-time ransomware detection	✓	✗
Agentless, near-synchronous, block-level replication	✓	✗
Replication and journal length	30 days	24 Hours
Replicate between VMware and other clouds such as AWS, IBM Cloud, and VMware on public cloud	✓	✗
Simultaneous one-to-many, multitarget replication	✓	✗
Built-in orchestration	✓	Requires separate product
Multi-VM consistency and replication groupings for application stacks	✓	Per-VM consistency only
Recovery		
Near-synchronous block-level replication with RPOs of seconds	✓	Limited to VMware
Automated VM recovery delivering RTOs of minutes	✓	Limited—leverages backup for recovery automation
Granular, journal-based, point-in-time recovery	✓	✓
Built-in recovery orchestration	✓	✓
Automated failback and reverse replication	✓	✗
Scale and Ease of Use		
Zero impact failover testing and reporting	✓	Limited
Install and replicate in minutes and hours	✓	✗
Auto-deployable scale-out architecture	✓	✗
No complex sizing and deployment planning	✓	✗

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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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