

Building Hybrid Cloud Resilience with Zerto and HPE GreenLake for Backup and Recovery

Leveraging composable data protection for disaster recovery and backup

Data is growing faster than ever, and protecting it is becoming increasingly complex. In 2023, organizations will generate nearly three times the volume of data generated in 2019. Data created will reach 181ZB by 2025. How can all this data be protected? It is important to have a flexible and customizable data protection strategy in place to protect rapidly expanding data footprints highly distributed across edge, core, and cloud.

Implementing both backup and disaster recovery together ensures breadth and depth for protecting your workloads from edge to core to cloud. Using both Zerto and HPE GreenLake for Backup and Recovery enables a highly secure, scalable, and cost-effective solution for composable data protection. Composable data protection enables enterprises to architect a highly tailored disaster recovery and backup strategy for their applications using flexible solutions from HPE and Zerto as the building blocks. Together, backup from HPE and DR from Zerto helps reduce data loss and downtime so you can mitigate risk and stay in compliance, no matter where applications live across your entire hybrid cloud estate.

Zerto for Disaster Recovery

Continuous data protection (CDP) with Zerto enables organizations to recover from any disruption, including ransomware, with the lowest RPOs and fastest RTOs in the industry. Zerto's software-only solution ensures enterprise-class protection with unique capabilities:

- **Always-On Replication:** Unlock thousands of recovery points to deliver the lowest RTOs and RPOs.
- **Real-Time Encryption Detection:** Leverage a unique, inline Encryption Analyzer that instantly detects and alerts about suspicious write activity on protected workloads.
- **Journal-Based Recovery:** Every change made is automatically written into a journal with granularity of seconds, so you can recover to a point right before an incident.
- **Application-Centric:** Protect multi-VM applications as one cohesive group for simple, consistent recovery.
- **Built-In Orchestration and Automation:** Reduce time, resources, and cost of performing failovers, failbacks, and non-disruptive testing.

HPE GreenLake for Backup and Recovery

HPE GreenLake for Backup and Recovery protects on-premises and cloud native workloads in a secure and efficient manner, with global protection policy for consistent protection on-premises or in the cloud. Seamlessly use policy-based automation to protect your VMware VMs, SQL, and Amazon RDS databases, Amazon EBS volumes, and EC2 instances in a few simple steps. There are no additional cloud gateways, agents, backup software, proxies, media servers, or backup targets to manage, and cloud storage is fully managed and scaled automatically by the service.

HPE GreenLake for Backup and Recovery provides:

- **Security for Ransomware and Other Malware:** Built-in encryption, immutability, and optional dual authorization.
- **Single Cloud Console:** Manage both on-premises and cloud-native workloads through a single, unified SaaS experience running on the HPE GreenLake hybrid cloud platform.
- **Flexible Usage-Based Billing:** Unlimited, elastic scale with pay-as-you-go subscriptions and no add-on public cloud subscription—including no extra ingress or egress charges.

Building the Right Solution

Composable data protection with HPE and Zerto allows you to customize a strategy and architecture that is purpose-built for your workloads and SLAs. Use Zerto for all top-tier or mission-critical applications—often 20-25% of a digital estate—to achieve performance-optimized protection with RPOs of seconds and RTOs of minutes. For all workloads, supplement the CDP from Zerto with the simple, cost-effective backup and long-term retention offered by HPE GreenLake for Backup and Recovery. Extend or customize this composable strategy with flexible options:

- Make some or all data copies immutable and store on-premises or in Microsoft Azure or Amazon Web Services.
- Retain backup data in a self-managed repository or send to the cloud, at no extra charge, for safekeeping in an air-gapped HPE-managed cloud store.
- Leverage one-to-many to protect the same digital asset to multiple locations simultaneously—easily mix and match targets to maximize your hardware and cloud investments and easily achieve a 3-2-1 or 4-3-2 data protection strategy.

Key Business Outcomes

Organizations need ransomware resilience and composable data protection from edge to cloud with the depth and breadth necessary to meet today's volatile security, risk, and compliance landscape. Zerto and HPE GreenLake for Backup and Recovery together let you build the right flexible strategy to meet your data protection needs.

- Mitigate ransomware, cyber threats, and disruptions.
- Unlock comprehensive data protection across private, public, and hybrid cloud.
- Achieve fastest recovery SLAs tailor-made for each workload and use case with the lowest TCO for long-term retention.
- Improve operational efficiencies by relying on one single vendor for backup and DR—underpinned by best-in-class storage, compute, and networking solutions.

Learn more about Zerto and HPE GreenLake for Backup and Recovery.

[Learn More](#)

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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