HPE Alletra dHCI and Zerto

A disaster-proof solution for disaster recovery, ransomware resilience, and multicloud mobility

Combine the flexibility of HPE Alletra dHCI with Zerto continuous data protection (CDP) for disaster recovery, ransomware resilience, and multicloud mobility. This provides a cloud-mobile and disaster-proof disaggregated hyperconverged solution.

Break the mold of complex and static IT

IT operations commonly consist of many hardware and software solutions, which are siloed and disconnected. Updating infrastructure or migrating resources are often arduous tasks that require months, if not years, to complete. How can you adopt a more agile, hybrid cloud approach?

Using HPE Alletra dHCI and Zerto, IT operations can embrace hybrid cloud through multisite data protection and workload mobility and modernize disaster recovery in a single solution as shown in Figure 1.

HPE GreenLake

The Hewlett Packard Enterprise portfolio

HPE Alletra dHCI

HPE Alletra dHCI is an intelligent platform with the flexibility of a converged infrastructure and the simplicity of a hyperconverged infrastructure (HCI). It disaggregates compute and storage and integrates hyperconverged control to give enterprises simple infrastructure management on a flexible architecture. Built with one of the world's most secure servers, HPE ProLiant servers, and the self-managing flash storage of HPE Alletra Storage, this platform provides the flexibility to scale compute and storage independently. It enables unpredictable growth, data resiliency, and the performance needed for business-critical apps.

Zerto, a Hewlett Packard Enterprise company

Zerto, based on CDP, delivers disaster recovery, ransomware resilience, and multicloud mobility in a single, scalable solution. Benefit from a unified user experience across workloads and reduce your TCO by replacing point solutions, tools, and required hardware with scalable, software-only Zerto solution.

Disaster recovery and data mobility

Zerto enables easy migration, protection, and recovery of virtual workloads, on-premises and in the cloud. After installing in minutes, Zerto makes migrating virtual workloads from older or dissimilar infrastructure effortless.

Once the workloads reside on HPE Alletra dHCI, the advanced storage features, efficiency, and intelligence of the platform can be realized.
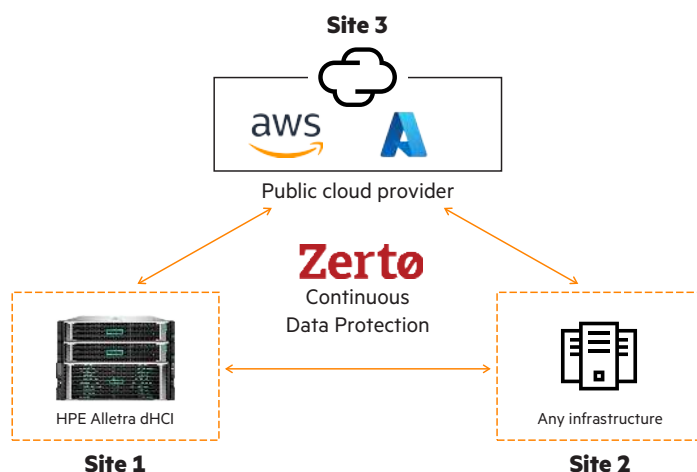

Figure 1. Multisite data protection and workload mobility

HPE Alletra dHCI makes managing virtualized environments easier, delivers fast app performance, helps ensure apps are always on, and enables greater resource efficiency.

Solution benefits

- **Better performance** — Use flash-optimized storage to handle workloads that require high performance, submilliseconds of low latency and automatically balance workloads depending on actual conditions through quality of service (QoS)

- **Guaranteed data availability** — Achieve 99.9999% measured data availability[1]

- **Scale on demand** — Grow compute and storage independently; extended across a hybrid cloud

- **Disaster recovery** — Failover single virtual machines (VMs) or entire

- **Test and development** — Build and test using near-exact replicas of production

- **Security and compliance** — Stamp out ransomware and stay protected

[1] HPE Storage substantiation

Zerto brings modern data protection and mobility to the table.

- **Disaster recovery**

  Unlock recovery point objectives (RPOs) of seconds and recovery time objectives (RTOs) of minutes with always-on replication. Perform failover, failback, and move operations in just a few clicks. Perform failover tests as often as needed without production impact.

- **Software-only and scale-out architecture**

  The software-only Zerto approach, running within the hypervisor, heterogeneously supports any compute, network, and storage hardware infrastructure otherwise supported by the hypervisor.

- **Operational recovery**

  Zerto supports simultaneous replication to one or multiple recovery sites with one-to-many replication, which enables day-to-day restores with RPOs of seconds.

- **Ransomware resilience**

  Recover data within seconds of the time of attack.

- **Multicloud mobility**

  Freely protect, manage, and move data to any target site — whether on-premises, in the public cloud, or to a managed service provider. Seamlessly consolidate data centers, modernize infrastructure, or migrate to the cloud.

Using CDP, the always-on replication and its unique journaling technology creates thousands of recovery points and can be used to create off-site copies on a daily, weekly, monthly, or even yearly schedule. This way protection involves zero production impact because there are no snapshots or agents on production.

The solution can be purchased as a bundle; contact your HPE sales representative for details.

Learn more at

HPE Alletra dHCI

Zerto

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