Hewlett Packard Enterprise

Solution brief

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DISASTER RECOVERY, RANSOMWARE RECOVERY, AND MULTI-CLOUD MOBILITY WITH HPE NIMBLE STORAGE DHCI AND ZERTO

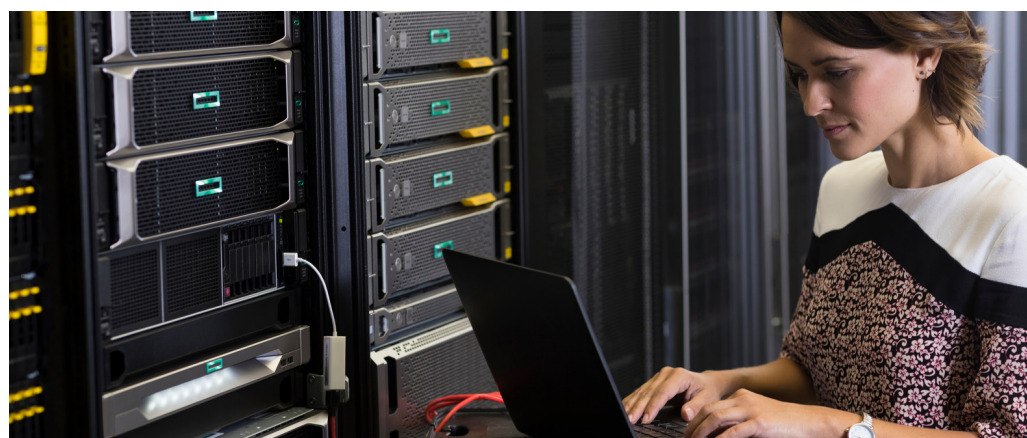## The Hewlett Packard Enterprise portfolio

HPE Nimble Storage dHCI

HPE Nimble Storage 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 Nimble Storage, this platform provides the flexibility to scale compute and storage independently. It enables unpredictable growth, data resiliency, and performance needed for business-critical apps.

Zerto, a Hewlett Packard Enterprise company

Zerto, a Hewlett Packard Enterprise company, based on continuous data protection (CDP), delivers disaster recovery, ransomware recovery, and multi-cloud mobility into 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 Zerto's scalable, software-only platform.

Combine the flexibility of HPE Nimble Storage dHCI with Zerto's Continuous Data Protection (CDP) for disaster recovery, ransomware recovery, and multi-cloud mobility. This provides a cloud mobile and disaster-proof 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 Nimble Storage dHCI and Zerto, IT operations can embrace hybrid cloud and modernize disaster recovery in a single solution.

DISASTER RECOVERY AND DATA MOBILITY

Zerto enables the easy migration, protection, and recovery of virtual workloads, on-premises and in the cloud. CDP delivers always-on replication with no impact on production and application performance. After installing in minutes, Zerto makes migrating virtual workloads from older or dissimilar infrastructure as easy as the push of a button.

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

Solution benefits

Better performance—Use flash-optimized storage to handle workloads that require high performance, sub-milliseconds 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—Easily failover single virtual machines (VMs) or entire data centers

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

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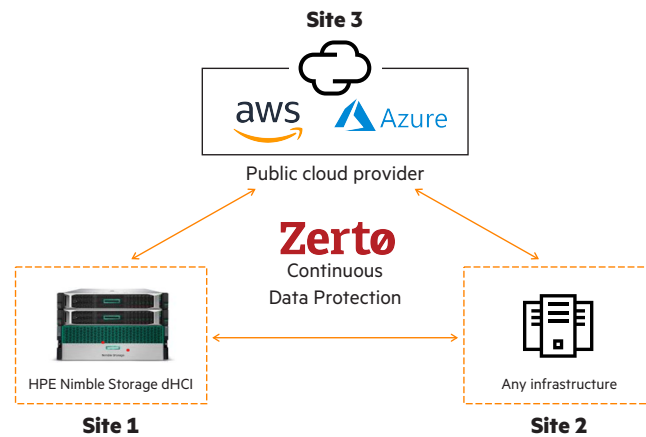**Hewlett Packard Enterprise**

FIGURE 1. Multi-site data protection and workload mobility

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

Zerto brings modern data protection and mobility to the table.

- **Disaster recovery**
  Unlock 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**
  Zerto's software-only 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 recovery-point objectives (RPOs) of seconds.

- **Ransomware recovery**
  Recover data to within seconds of time of attack.

- **Multi-cloud 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 Nimble Storage dHCI

Zerto