Cohesity solutions with HPE Zerto: cyber resilience for the modern enterprise

Organizations today face an increasingly complex resilience challenge. Ransomware, operational outages, cloud transformation, and regulatory requirements demand both rapid operational recovery and trusted, comprehensive data protection.

Cohesity solutions—including both DataProtect and NetBackup—combined with HPE Zerto, provide a complementary, defense-in-depth approach to cyber resilience. Together, they address different but equally critical aspects of recovery, protection, and availability across hybrid and multi-cloud environments.

The challenge: Finding the balance

Enterprises must balance competing recovery requirements:

- Minimize downtime for mission-critical applications
- Reduce data loss from cyberattacks and failures
- Protect a broad and growing set of workloads and data sources
- Ensure recovery data is clean, trusted, and compliant
- Simplify operations across on-premises, cloud, and SaaS environments

No single technology optimally addresses all recovery scenarios. Continuous availability tools and backup platforms solve different problems and are most effective when deployed together.

A complementary cyber resilience architecture

Cohesity solutions (NetBackup and DataProtect) and HPE Zerto are not competing approaches—they are complementary technologies designed for different recovery objectives.

HPE Zerto: Continuous Availability & Operational Recovery	Cohesity: Broad Data Protection & Trusted Recovery
• Continuous Data Protection (CDP) • Near-zero RPOs and minute-level RTOs • Application-centric recovery • Rapid failover and workload mobility Optimized for always-on, mission-critical applications	• Broad workload and data source coverage • Enterprise-scale ransomware detection • Policy-governed, immutable recovery with validation • Compliance, retention, and forensics Optimized to provide consistent protection across hybrid and multi-cloud environments

Key Benefits

- Reduced downtime and operational risk
- Faster cyber incident containment and recovery
- Trusted recovery across all data sources
- Simplified compliance and audit readiness
- Scalable, future-ready cyber resilience

HPE Zerto: Continuous availability for critical applications

HPE Zerto is optimized for requirements where even minutes of downtime or data loss are unacceptable.

Zerto specializes in:

- Continuous, journal-based data protection with recovery points measured in seconds
- Rapid, application-centric failover and failback
- Non-disruptive disaster recovery testing
- Operational recovery from ransomware and infrastructure failures
- Workload mobility across on-premises and cloud environments

HPE Zerto is designed for organizations that require continuous availability for their most critical applications. It excels at delivering near-zero data loss and rapid recovery for workloads with the highest business impact.

Cohesity solutions: DataProtect and NetBackup

Cohesity DataProtect and NetBackup share a common purpose: delivering trusted, enterprise-grade data protection and cyber recovery across a wide range of workloads and data sources.

These capabilities include:

- Immutable backup options and cyber vault architectures
- Enterprise-scale anomaly detection and automated malware scanning
- Clean room recovery environments for forensic validation

- Long-term retention, legal holds, and compliance support
- Scalable architectures for large, heterogeneous environments

The above capabilities make Cohesity solutions the ideal choice for data protection and trusted recovery across the enterprise—providing wide-ranging protection across physical and virtual infrastructure, cloud IaaS, modern application platforms, and SaaS data.

Workload coverage

Cohesity solutions and HPE Zerto are differentiated by their architectural focus within the overall resilience strategy. Cohesity solutions are designed to protect and recover data across diverse workloads and environments, while HPE Zerto focuses on application-centric continuity for workloads that require near-zero data loss and rapid recovery.

HPE Zerto focuses primarily on:

- Virtualized workloads
- Select cloud infrastructure platforms
- Applications requiring continuous replication
- Rapid mobility and failover

Cohesity solutions are designed to protect:

- Physical, virtual, and cloud-native workloads
- Databases, enterprise applications, and file services
- SaaS applications and unstructured data
- Consistent protection and governance across environments

This layered approach ensures availability for critical applications and comprehensive protection for all enterprise data—enabling a balanced and resilient enterprise recovery strategy.

Mission-Critical Applications
(Always on, highest impact)

Broad Enterprise Data
(Diverse, distributed)

HPE Zerto Software
- Appliaction-centric continuity
- Near-zero RPO/RTO
- Rapid failover and mobility

COHESITY
- Enterprise-wide data protection
- Trusted recovery and compliance
- Broad workload and data coverage

Fig. 1: Aligning recovery capabilities to application and data needs

Case studies and key outcomes

Global Financial Services Firm

Zerto ensures continuous availability for a major global financial firm's trading platforms, while Cohesity enables regulatory retention, compliance, and ransomware recovery across 20+ countries. Together, they reduce downtime while ensuring clean recovery.

Major US Healthcare Provider

Zerto protects EHR systems for zero data loss and sub-minute recovery, while Cohesity secures patient records, imaging, and SaaS data with immutable backup and cyber vaulting. Together, the solutions balance cost, risk, and performance.

HPE Zerto and Cohesity for the modern enterprise

HPE Zerto complements Cohesity enterprise data solutions—DataProtect and NetBackup—by addressing ultra-low RPO and RTO requirements for a targeted set of workloads. Using the power of these solutions together, you can ensure your organization has a comprehensive cyber resilience architecture that delivers both continuous availability for critical applications and trusted data protection across the enterprise.

To learn more, visit our Cohesity + HPE partner page at www.cohesity.com/partners/hpe/.

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