Cyber Resilient Data Security and Management with Cohesity and HPE

Key Benefits

- Protected data and workloads from modern threats
- Improved cyber resiliency – Zero Trust Security principles from silicon to cloud
- Delivered and consumed your way through HPE GreenLake
- Validated solution available through one contract, one purchase order for a one stop shop experience

Enterprises today must address several growing problems:

- Cyber threats and ransomware attacks are increasing at an exponential rate while becoming more sophisticated and expensive to remediate.
- The difficulty of securing and managing ever-growing amounts of data and applications resulting in increased complexity of managing siloed infrastructure across data centers, edge, and cloud
- Legacy solutions have limitations with recovery at scale resulting in long, unacceptable time to recover resulting in missing agreed levels of business service level agreements (SLAs).

These challenges can cause vulnerabilities across IT environments. Traditional, legacy, patchworked products which are used to manage data and workloads are insecure and difficult to manage. As these environments become more distributed and dynamic, enterprise leaders want to lower IT spending while ensuring that their organization is protected against cyber threats & ransomware.

To deal with these challenges, organizations have realized that data security and management is more critical than ever to business outcomes. Modern challenges need modern solutions.

HPE Solutions with Cohesity redefine data security and management via a highly secure infrastructure. Key capabilities include HPE's industry-leading secure supply chain, Silicon Root of Trust and Cohesity Data Cloud, a cyber resilient data management platform. The joint solution uniquely empowers organizations to secure data and workloads, detect cyber threats, backup and manage data, and recover rapidly at scale from an attack across dispersed IT environments. The solution has proven to increase operational efficiency by 50% to 70%[1] and also provides visibility through analytics into all your data. Get all of the benefits and none of the hassles with pay-as-you-grow, with the ability to choose between on-prem and HPE GreenLake as-a-service option through HPE or its partners as a one-stop-shop.
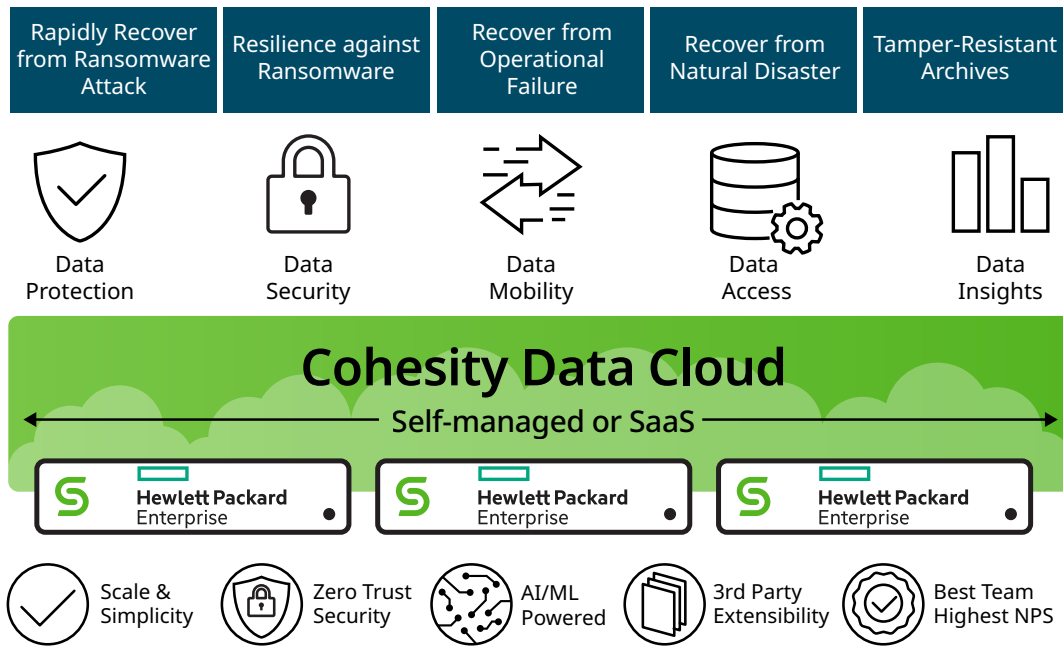
[1] Cohesity's Modern Backup and Recovery Solution Brief

Figure 1: Cyber resilient data security and data management platform

Why Cohesity and HPE?

One Simple, Secure, and Flexible Data Security and Management Platform to Maximize Cyber Resiliency from Silicon to the Cloud

- Built-in, 360-degree approach with enterprise-grade Zero Trust security principles, combining 'Silicon Root of Trust' HPE servers with Cohesity's immutable snapshots, robust access controls, and rapid recovery at scale. Factory-level installation of Cohesity software onto certified HPE servers through HPE's secure supply chain.

- Customers can back up a wide variety of primary workloads, such as virtual, physical, databases, and NAS, for multiple use cases (backup and recovery, archival, file and object services, dev/test, and analytics). Rapid recovery at scale with fully hydrated snapshots for a near-instant RTO and RPO.

- Integrated all-NVMe flash and hybrid flash-based solution to replace multiple data management silos (target storage, media servers, and cloud gateways) with a simple, converged solution managed through a single user interface (UI).

Proven Expertise

- World-class support and services provided by trusted HPE and Cohesity professionals backed by the support of HPE Pointnext advisory, professional, advisory, and financing services.

- One contract, one purchase order for all solution components directly through HPE or HPE certified partners.

Built for Seamless Hybrid/Multicloud to Optimize Investments through a Flexible Consumption Experience

- Unified, intelligent solution that consolidates data across edge, core, and cloud environments with the benefits of a flexible, consumption-based experience through the HPE GreenLake edge-to-cloud platform.

- Native cloud integration with Amazon Web Services, Microsoft Azure, Google Cloud, and Cohesity service provider partner clouds for maximum ROI.

- Resource shifting to meet business needs such as cloud tiering, Disaster Recovery (DR) in the cloud/cloud archiving, agile dev/test environment provisioning, and cloud-native/SaaS/Microsoft 365 workload protection.

- Reduced total cost of ownership (TCO) for infrastructure by up to 45%[2].

- Extend backup and recovery options across dispersed IT environments. Cohesity Cloud Services through HPE is an alternate consumption model for the value provided by Cohesity software, delivered as a service.

Trusted Partners, Proven Solutions

HPE Solutions with Cohesity lead the next era in data security and management:

- A comprehensive enterprise-class data security and data management solution that protects backup data through robust detection capabilities and vulnerability management

COHESITY

- Zero Trust security principles built-in from silicon to cloud

- An agile consumption experience through a simplified as-a-Service offering from edge to cloud

- Designed to predict and prevent problems and features near-zero recovery point objectives (RPOs) and near-instant recovery time objectives (RTOs) to meet service-level agreements (SLAs)

- Proven solution with intelligent insights to protect your data from modern threats.

- HPE Solutions with Cohesity enables enterprises to secure and manage their data, strengthening their cyber resilience while empowering them to do more with their data—all in a consumption based experience through HPE GreenLake edge-to-cloud platform.

Empowering Enterprises to Do More With Your Data

- Previously fragmented data becomes instantly searchable, manageable, and shareable in one logical place for the first time which can be leveraged to gain insights.

- Intelligently manage your unstructured data using Cohesity SmartFiles to achieve global space efficiency, smart data tiering, and more.

- Strengthened security and streamlined compliance using automated global indexing, global search and Cohesity Marketplace third party apps for vulnerability assessment, anti ransomware and in-place analytics.

Advanced Cloud Capabilities for Additional Cyber Resiliency

HPE Solutions with Cohesity now include a complementary subset of Cohesity Cloud Services (CCS). CCS is a portfolio of fully-managed, cloud-native, as-a-service (aaS) offerings—enabling a multilayered threat defense architecture to protect, detect and recover from ransomware by providing enhanced cyber resiliency, threat detection, data classification, cyber vaulting, and data protection. CCS offerings available through HPE are:

- **Cohesity DataHawk** - AI-enabled threat detection, data classification, and cyber vaulting as-a-service augmenting an on-premises HPE Solutions with Cohesity deployment to help combat ransomware

- **Cohesity FortKnox** - Isolated immutable copy of data as-a-service from an on-premises HPE Solutions with Cohesity deployment to a cloud vault.

- **Cohesity DataProtect as a Service** - to secure SaaS, cloud, and on-premise data, including Microsoft 365, for workloads not addressed by HPE GreenLake for Backup and Recovery or for customers demanding a homogeneous HPE Solutions for Cohesity deployment.

HPE Solutions with Cohesity enables enterprises to secure and manage their data, strengthening their cyber resilience while empowering them to do more with their data—all in a consumption based experience through HPE GreenLake edge-to-cloud platform.

To learn more, visit www.cohesity.com/hpe

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