

# Modern Data Security and Management for the Financial Services Industry

## Key Benefits

- Enhanced cyber resilience
- Simplified management of financial data with a single UI
- Significant cost savings
- Faster recovery times
- Streamlined regulatory compliance requirements
- Seamless data consolidation on a single web-scale platform post merger and acquisition

## Who We Work With

- Retail and commercial banks
- Investment banks and brokerages
- Capital markets and exchanges
- Home, property and casualty, auto, and life and annuities insurers
- Business and professional insurers
- Payment processors and FinTechs

In today's digitally connected world, the financial services industry has experienced a monumental shift towards data-driven practices. The extensive use of technology and data has significantly enhanced the efficiency of financial services, enabled better customer experiences, and streamlined operations. However, this reliance on data comes with an inherent responsibility to safeguard it from threats and vulnerabilities. Financial institutions face unique challenges when it comes to data security and management. The sheer volume of data they handle, coupled with the continuous evolution of cyber threats, demands a robust and adaptive security infrastructure. Moreover, the integration of various technologies, like mobile banking, cloud computing, and Internet of Things (IoT) devices, introduces new attack vectors that require constant monitoring and mitigation. Some major challenges faced by financial enterprises are:

- **Data Volume and Complexity:** Financial institutions handle massive data volumes, including transaction records, customer information, and market data. Managing and securing this diverse and complex data is a significant challenge.
- **Regulatory Compliance:** The financial sector is subject to numerous regulations, including GDPR, CCPA, and industry-specific standards like PCI DSS. Compliance with these regulations is nonnegotiable and requires stringent data protection measures.
- **Cybersecurity Threats:** Financial organizations are prime targets for cyberattacks, including ransomware and data breaches. Protecting against these threats while ensuring business continuity is a top priority.
- **Data Accessibility and Performance:** Quick and secure access to financial data is crucial for decision-making and customer service. Ensuring high performance and availability is paramount.

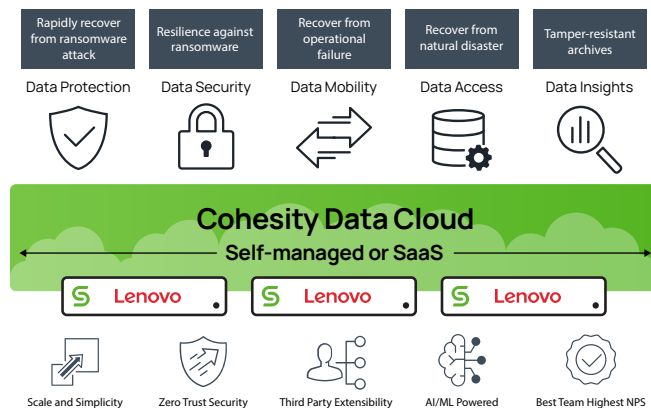
“The total Cohesity experience—security options, SaaS model and support—has been just what we'd hoped for. If we went back in time, we'd make the same decision.”

– Mike Viola, Principal Technologist, Nasdaq

## Enhancing cyber resilience for financial services

To address the above mentioned challenges, Cohesity and [Lenovo](#) have partnered to provide modern data security and management solutions that help financial organizations enhance their cyber resilience so they can successfully collect, aggregate, and analyze data to deliver exceptional customer experiences while keeping data safe and streamlining compliance. The bundling of Cohesity's AI-powered data security and management [platform](#) with Lenovo's highly reliable and performance-centric [ThinkSystem](#) servers helps financial services organizations simplify, protect, and recover their data across on-premises, hybrid, and multicloud environments.

Cohesity's AI-powered platform converges backup, recovery, replication, and disaster recovery on a single, hyperconverged, cloud-native platform. With a unified, scale-out solution, Cohesity eliminates legacy data protection silos and simplifies management with a single user interface and policy-based automation. Meet your SLAs with sub-5 minute RPOs and instant mass restore to any point in time.



## Modernize backup and recovery for data resilience

Cohesity [DataProtect](#) is certified to run on the industry-leading Lenovo ThinkSystem servers that delivers the most comprehensive backup and recovery solution to protect cloud-native, SaaS, and on-prem data at scale and simplify data sources across the financial enterprise and workloads. DataProtect converges multiple-point products into a single software that can be deployed on-prem or consumed as a service (BaaS). Lenovo ThinkSystem servers powered by Intel and AMD are designed to provide superior performance and reliability while handling a wide range of workloads and maximizing the security and flexibility for future growth.

Designed based on Zero Trust principles, the solution features near-zero recovery point objectives (RPOs) and near-instant recovery time objectives (RTOs) to meet business service-level agreements (SLAs).

- **Data Classification:** Cohesity's highly accurate ML-based data classification engine classifies sensitive data automatically or on-demand, including personal identifiable information (PII).
- **Data Consolidation:** Cohesity's platform consolidates data from various sources, including core banking systems, trading platforms, and customer databases, into a single, easily accessible repository.
- **Data Insights:** Powerful search and analytics capabilities enable rapid data discovery, helping financial professionals make informed decisions and identify potential risks.

## Improve response and recovery for cyber resilience

Cohesity [DataHawk](#) on Lenovo ThinkSystem servers helps financial enterprises protect and recover against ransomware with [threat protection](#), [cyber vaulting](#), and AI-powered [data classification](#)—by identifying threats, assessing attack impact, and confidently recovering critical data. Lenovo Think System servers have built-in, standards-based security for enhanced platform protection with an increased number of the latest security standards. According to the [ITIC 2022 Global Server Hardware Security Report](#), in 2022, "only 2% of Lenovo ThinkSystem servers experienced downtime due to a hack attack. This was down from 4% of Lenovo ThinkSystem servers that suffered unplanned downtime due to a security attack in 2021." Cohesity and Lenovo provide robust data protection mechanisms to safeguard critical financial data via:

- **Continuous Data Protection (CDP):** Real-time data replication ensures minimal data loss during unexpected events.
- **AI-powered Ransomware Detection:** Cohesity's solution includes built-in ransomware detection capabilities that immediately analyze data ingested from production environments on every backup for telltale signs of unusual activity or data changes, like those related to ransomware attacks.
- **Immutable Backups:** Immutable backups prevent unauthorized changes or deletions of data, ensuring data integrity and compliance.
- **Instant and Rapid Recovery at Scale:** Cohesity provides instant and predictable recovery at scale by providing organizations immediate access to critical business processes and data to meet their demanding recovery time objectives (RTOs).

## Stay compliant

Cohesity and Lenovo help your financial services organizations maintain operational efficiency as you address ever-changing government and industry requirements.

- **Data Governance:** Address stringent requirements from GDPR, PCI and Gramm-Leach-Bliley with comprehensive data governance features, including data classification and automated data retention policies. Help ensure compliance with industry-specific regulations.
- **Audit Logs:** Couple policy-based automation with API integration to achieve long-term retention requirements and speed audits.
- **Easy to Consolidate:** Consolidate data and apps, post-merger or acquisition, from many organizations onto one web-scale platform.

## Why Cohesity and Lenovo

- **Certified and pre-tested solution:** Cohesity and Lenovo have certified several solutions that combine Cohesity's software with Lenovo's hardware. These solutions are pretested and validated, ensuring they're both compatible and interoperable. This helps reduce deployment time and risk.

- **Best of both worlds:** With Cohesity now certified on a range of Lenovo ThinkSystem servers that are powered by both Intel and AMD processors respectively, our financial services customers enjoy added resilience and improved security against ransomware threats while getting diverse choices for different sites.
- **Proven success and global support:** Several financial services companies and banks across the globe have already benefited from Cohesity and Lenovo joint solutions. A world-class network of Lenovo and Cohesity experts provides global support for seamless deployment and operations.

In the financial services industry, effective data security and management are essential for success, compliance, and maintaining customer trust. Cohesity's modern platform with Lenovo ThinkSystem servers provide proven solutions that address the industry's unique challenges, offering data consolidation, security, compliance, and access features. By choosing Cohesity and Lenovo solutions, financial organizations can unlock the full potential of their data while helping ensure its protection and compliance with stringent regulations, ultimately driving business growth and resilience in the digital era.

To learn more about how Cohesity and Lenovo can help you strengthen your financial services enterprise's cyber resilience, visit [www.cohesity.com/solutions/technology-partners/lenovo/](https://www.cohesity.com/solutions/technology-partners/lenovo/)

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