**COHESITY** | **Lenovo**

# AI-powered data security and management for the edge and ROBO

## Key Benefits

- Same capabilities as the core/data center

- Improved security posture against ransomware attacks

- Global support by a world-class network of Lenovo and Cohesity professionals

- Pre-tested and certified for seamless deployment and interoperability

- Simple pre-configured Cohesity SKUs on Lenovo DCSC (Data Center Solution Configurator)

- Lower TCO with reduced data footprints

### Technical Summary

| | |
|---|---|
| **Platform** | Lenovo ThinkSystem SR645 V3 |
| **Category** | ROBO Workloads |
| **Capacity** | 16TB I 24TB I 36TB |
| **Processor** | AMD EPYC 7313 16C 155W 3.0GHz Processor |
| **Memory** | 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM-A |
| **Storage** | • 16TB (2 x 8TB HDD and 2 x 960GB SSD)<br>• 24TB (2 x 12TB HDD and 2 x 960GB SSD)<br>• 36TB (2 x 18TB HDD and 2 x 960GB SSD) |

As the demand for real-time data processing and low-latency applications continues to surge, the augmentation of data storage capabilities at the edge is becoming increasingly imperative. With the proliferation of IoT devices and the advent of edge computing architectures, there's a growing need to manage and secure vast amounts of data closer to the point of generation. ROBO (Remote Office Branch office) locations are even more vulnerable to external cybersecurity threats as they may have different levels of data security and defense measures deployed at the core data center. Ensuring robust backup and recovery mechanisms for these dispersed locations is paramount for maintaining operational continuity and safeguarding valuable data assets.

Backup is just one of the data management concerns at ROBO locations. Mobility of this data, security, visibility, and ease of managing this data are some of the other issues that keep IT management up at night. Cohesity's modern backup and recovery solutions on certified Lenovo ThinkSystem servers address the unique challenges of ROBO setups, offering centralized management and streamlined workflows that optimize data protection across all remote sites.

## Modernize data protection for ROBO locations

With Cohesity on Lenovo ThinkSystem servers, large enterprises with numerous branch locations, such as retailers, chain restaurants, gas stations, and rental car agencies, can seamlessly manage data within their ROBO locations with a single software-defined platform—the same AI-powered platform that many organizations use today to manage data across existing data centers and cloud environments. Such branch locations often have data that needs to be managed, protected, and secured locally without dedicated IT staff on-site administration.

The solution offers enterprises the same functionality at branch locations they rely upon in the data center. This combines backup and recovery, file and object services, and cloud archival in a single platform optimized for ROBO locations and continues extending the power of modern data security and management. The solution is available in 16 TB, 32 TB, and 64TB usable capacity with Cohesity DataProtect on Lenovo ThinkSystem SR645 V3 servers.
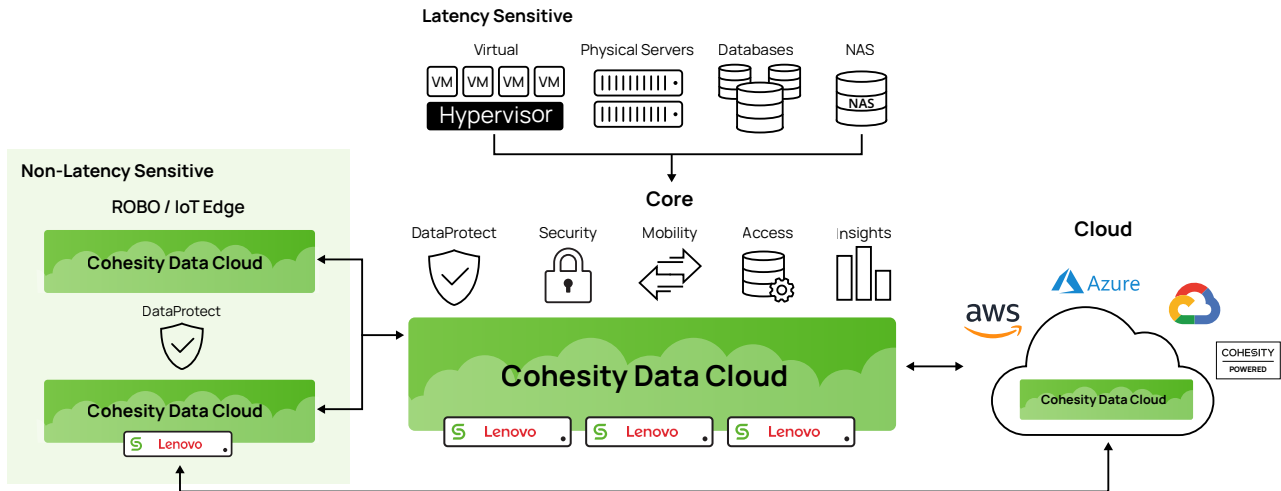
Fig. 1: Simplified data protection and management across on-premises, cloud and edge with Cohesity DataProtect on Lenovo solution.

## Enterprise-class capabilities for ROBO

Cohesity's new solution provides customers with a wide range of capabilities to meet growing data management requirements at the enterprise edge, including:

- Backup and recovery that supports both modern and traditional data sources

- Flexible, granular recovery to any point in time

- High data resiliency and the ability to seamlessly replicate or archive data to the core or the public cloud

- Actionable and intelligent insights from data leveraging generative AI capabilities

- A significant reduction in the data footprint and WAN bandwidth utilization from remote sites with global variable-length sliding-window deduplication and compression

- Integrated cybersecurity with an immutable file system, DataLock (WORM), data encryption, and anti-ransomware capabilities

- Multi-protocol support for files and objects (NFS, SMB, S3)

- A single, easy-to-navigate user interface that dramatically simplifies data management across core, cloud, and edge

## Why Cohesity and Lenovo

- Certified and pre-tested solution: Cohesity and Lenovo have certified a number of solutions that combine Cohesity's software with Lenovo's hardware. These solutions are pretested and validated, ensuring they're compatible and interoperable. This helps reduce deployment time and risk. Lenovo servers have been ranked #1 in reliability for ten consecutive years and achieved world record benchmark results.

- Best of both worlds: With Cohesity now certified on a range of Lenovo ThinkSystem servers powered by Intel and AMD processors our customers enjoy added resilience and improved security against ransomware threats while getting diverse choices for different sites.

- Proven success and global support: A number of organizations 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.

**Enhanced cyber resilience for the edge and ROBO with Cohesity DataProtect on Lenovo. Learn more at www.cohesity.com/solutions/technology-partners/lenovo/**

COHESITY.com | 1-855-926-4374 | 300 Park Ave., Suite 1700, San Jose, CA 95110    3000157-001-EN 7-2024