LOGICALIS
Architects of Change

DELL Technologies
TITANIUM PARTNER

Executive Guide

From Storage Management to AI-Assisted Operations

The Next Evolution of Dell PowerStore

How Logicalis and Dell help infrastructure teams simplify storage operations, modernize the data center, and prepare for AI-driven operations





Executive Summary

AI initiatives, data growth, and the evolving threat landscape are driving the need for modern, flexible, and future-ready storage solutions are compelling teams to rethink their infrastructure strategy, as well as how they operate that infrastructure. Ideally, modern storage solutions will meet these challenges today and continue delivering value as workloads, technologies, and priorities change.

Dell PowerStore is a modern data platform built to help teams address these challenges. It combines enterprise-grade block and file storage with high performance and efficiency, built-in cyber resilience, and AI-powered automation. Together, these capabilities help teams streamline operations, resolve issues faster, and protect critical data.

With a storage foundation built atop Dell PowerStore, IT teams can stay ahead of modern business needs, while simplifying operations, strengthening resilience, and staying ahead of growing business and AI demands. Professional and managed services from Logicalis help organizations realize that value across the full lifecycle, from implementation through optimization.

The New Demands on Storage Operations

Today's IT environments span on-premises data centers, hybrid clouds, and the edge, and they must support a growing mix of workloads, including AI.

69%
say their IT infrastructure has become more complex in the last two years

75%
say IT administrators have taken on additional responsibilities to support digital initiatives

61%
say overall complexity slows down IT operations and initiatives

-Omdia, IT Modernization Report: Cloud, Applications, and Infrastructure Amid the AI Revolution, June 2026

The New Demands on Storage Operations *continued*

When evaluating storage solutions, IT teams are now evaluating a new set of requirements, including:

Storage Management

Each new workload adds infrastructure to manage. Teams must now oversee more storage across on-premises, hybrid cloud, and edge environments, leaving less time for core business activities and strategic initiatives.

Automation

As infrastructure scales and becomes more complex, routine lifecycle tasks such as software updates and capacity reclamation increase operational overhead, resource demands, and costs. AI-driven operations offer a path forward through automation that runs within defined policies and keeps administrators in control.

Troubleshooting and Performance Analysis

The growing volume of telemetry from distributed environments places a heavy burden on IT teams, and reactive troubleshooting slows resolution. Automated, preemptive issue resolution has become an expectation in modern storage solutions.

Rethinking the Storage Platform

Modern demands are changing the criteria IT leaders use to evaluate storage. Capacity and raw performance remain crucial, but the right platform must also reduce management effort, surface issues before they affect the business, protect data at the storage layer, and automate routine operations, all while evolving with the business. As we'll see below, Dell PowerStore was built with these requirements in mind.

Cyber Resilience

Ransomware attacks increasingly target backup and recovery systems alongside production data. Cyber resilience now depends not only on proactive detection, but also on storage-level protections and recovery strategies, which means security must be built into the storage layer.

Dell PowerStore

A Modern Data Platform for AI-Assisted Operations



Up to 3x
faster workloads

6:1
guaranteed data reduction

Up to 95%
less manual effort

-Dell Technologies

PowerStore forms the foundation for a continuously modern data center, with an architecture designed to evolve with the business. It accelerates workloads with industry-leading performance, reduces costs through advanced data reduction, and minimizes manual effort with AI-driven automation, so teams can spend less time on operations, while staying ahead of growing AI demands.

Efficient, Scalable Storage

Built to evolve with business needs, PowerStore's modular architecture makes it easy to integrate future technologies without disruption. The latest models deliver major gains in performance, throughput, and density, so IT teams can consolidate block and file workloads on one platform and scale with the same interface.

- Drives expand one at a time to target current capacity and cost requirements, then cluster up to four appliances, over 23PBe, under one management interface
- Intelligent load balancing recommends initial workload placement and moves workloads between appliances with administrator approval
- Extreme density and a guaranteed 6:1 data reduction ratio take the guesswork out of capacity planning, with up to 5.8PBe in a 3U base chassis



Faster Issue Resolution

Smart Support analyzes telemetry from Dell's global install base to address predicted issues before they cause disruption. Dell AIOps provides predictive analytics and guided remediation, while a built-in AI assistant answers operational questions in natural language.

- Smart Support proactively addresses up to 79% of predicted issues without manual intervention
- A built-in AI assistant combines Dell's knowledge base with local system telemetry, saving administrators up to eight hours per week
- Dell AIOps delivers capacity forecasting and cybersecurity insights, accessible from any device



End-to-End Cyber Resilience

Active-active controllers and the Dynamic Resiliency Engine keep data available throu component and drive failures. Encryption, multiparty authorization, and storage-layer anomaly detection help protect against threats, while immutable Secure Snapshots, r metro replication, and direct backup to PowerProtect Data Domain enable fast recove from a trusted copy.

- Designed for 99.9999% availability, with hot-swappable components and non-disruptive software upgrades
- Metro Sync with a third-site witness provides automated failover, enabling zero-RTO and zero-RPO SLAs at no additional cost
- Optional Dell Cyber Detect identifies ransomware corruption with 99.99% accuracy and helps locate the last known clean copy for fast recovery

AI-Assisted Operations

AI-powered, self-optimizing storage helps reduce manual work, while automated workflows, integrated cloud backup, and intelligent load balancing keep workloads running efficiently. Dell AIOps agents handle fleet-wide lifecycle tasks such as software updates and capacity reclamation. Administrators retain full control of lifecycle decisions, keeping automation aligned with organizational policies and priorities.

- Dynamic Node Affinity and intelligent load balancing distribute workloads across nodes and appliances without manual tuning
- AIOps agents automate fleet-wide PowerStoreOS updates and policy-based capacity reclamation
- Open APIs and prebuilt integrations accelerate infrastructure automation, shortening deployments from days to seconds

Software updates, new capabilities, and new services are delivered continuously, included free with PowerStore array software. Available as a standalone appliance or through a private cloud and managed services, organizations can adopt in their own way and at their own pace.

Modernize Storage Operations

with Logicalis and Dell

As AI and hybrid environments add complexity across IT, modern storage infrastructure has become essential to keeping operations efficient, resilient, and ready for what comes next.

Logicalis and Dell can help teams simplify storage management, resolve issues faster, strengthen cyber resilience, and free up IT teams to focus on business priorities. Our professional services help teams align storage with business goals and modernize environments with minimal disruption, while managed services keep PowerStore performance, resilience, and costs optimized as needs evolve.



Are You Ready to Move from Storage Management to AI-Assisted Operations?

Contact Logicalis today to schedule a strategy session.

Schedule a Strategy Session

Why Logicalis?

- Dell Technologies partner with deep expertise in storage and data center infrastructure
- 7,000+ professionals serving 10,000+ clients across 30 territories
- Professional and managed services across cloud, data center, connectivity, and security
- Executive-level workshops to align stakeholders and plan next steps

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