

# Enterprise-Scale Storage and Data Protection

from Seagate Lyve Cloud and IBM Spectrum Protect



## Benefits Summary

- Best-in-class total cost of ownership from Seagate, the leader in storage
- Lower operational cost with multi-workload data protection with Spectrum Protect
- Tremendous scalability to support massive data growth
- Mass capacity, store everything - capture massive volumes of unstructured data at unrivaled cost per petabyte and a predictable as-a-service consumption model with Lyve Cloud
- Storage efficiency with incremental "forever" backup version protection and compression from Spectrum Protect
- Data mobility, frictionless movement - move your data to where it creates the most value with zero egress or access fees with Lyve Cloud
- Cyber resiliency support provides always-on data monitoring from Spectrum Protect

## Enterprises cannot function without their data.

From exponential data growth and new workloads, to the rise of cloud, and the risk of cyberattack, businesses must respond to a fast-changing landscape of threats to business continuity. Data is vulnerable, and as ransomware attacks hit the headlines, there has never been a more urgent time to move beyond back-up with key capabilities to drive simplicity, security, and compliance. Enterprises are accelerating the adoption of cloud for backup, archive, and rapid disaster recovery. Traditional backup solutions rarely deliver the speed and flexibility needed, thereby pushing the adoption of hybrid cloud and multi-cloud, but this results in more targets to protect and greater operational and IT infrastructure complexity. Further, data is locked in and expensive to store and move.

Building and connecting backup infrastructure is growing increasingly complex, and costly. Organizations need storage and data protection that seamlessly scales and extends across the entire IT infrastructure; gives control over cost and performance, avoids complexity, and improves resiliency against cyber threats.

# Solution Summary

Seagate® Lyve™ Cloud and IBM Spectrum Protect have collaborated to address exponential data growth and the need for a solution that scales seamlessly while delivering a simplified and more cost efficient approach to data storage and protection.

The joint solution enables advanced data protection, securing applications and workloads on hybrid, multi-cloud architectures, centralizes storage management, and reduces cost. Seagate Lyve Cloud's data storage focuses on security, flexibility, and predictable economics. Integrated with IBM Spectrum Protect's built-in cloud integration and data efficiency capabilities, it offers security-rich and cost-effective data protection and back-up in the cloud. Simple pricing also frees customers from lock-ins and egress fees. Lyve Cloud and IBM Spectrum Protect provide frictionless movement, storage, backup, and fast recovery, in one limitlessly scalable package.

## Introduction

Seagate Lyve Cloud and IBM Spectrum Protect is the easy choice for accelerating cloud adoption and modernizing data protection. The solution combines the performance and security of enterprise-leading data protection software from IBM with Seagate's best-in-class expertise in data storage.

## Features

### Multi-Workload Protection

Lower operational cost with flexible, scalable storage options, unifying and simplifying data protection for file servers, virtual environments, applications, and data sent from API or S3.

### Scalable Performance

Scale up to support massive data growth with flexible, scalable, storage options and the capacity to manage billions of objects per backup server, with less disruption and complexity as backup workloads grow.

### Storage Efficiency

Drive exceptional storage efficiency with incremental "forever" backup version protection, compression, deduplication, and policy-based life cycle management. The Incremental "forever" principle means full back need only be performed once, and subsequent backups only include changes. This results in the lowest amount of network, storage and processing required.

### Cyber Resiliency

Protect your storage investment with encryption, always-on data monitoring, secure communication, and proactive security notifications.



## Use Cases

**Optimized Data Protection:** Enable advanced data protection for current and next generation environments with a complete solution for cloud, virtualized and software-defined environments; core applications; and remote facilities. Data managed by IBM Spectrum Protect is replicated to off-site recovery facilities for safekeeping, enabling fast, flexible restores from primary and remote recovery sites to help recover individual items, complex systems, and entire data centers.

**Business Continuity:** Ensure business continuity with Lyve Cloud's high-availability cloud storage management. Simple pricing with no API charges or egress fees empowers customers to back up and move all back-up data in a single repository for compliance without lock-in concerns.

**Back-up and Recovery:** Simplify backup and recovery with fast, simple, and flexible recovery that minimizes data loss. Rapid recovery with no need for data hydration ensures access to data is restored almost immediately. Storage choices matter because cloud use cases matter. Utilize Seagate's best-in-class Lyve Cloud Object, S3-compatible data storage for always on availability to facilitate easy back-up and reliable retrievals without wait.

**Cyber Resiliency:** Support cyber security objectives and address threats with early security notifications for potential ransomware attacks. Recover an entire process, application, database or discrete system with the click of a button. Data security that goes beyond encryption with the ability to air-gap data on physical tape or lock-down data on object storage.

**Data Lifecycle Automation:** Move data from higher-cost storage to lower-cost storage as it ages with flexible policy rules that leverage existing backup data to satisfy long-term retention requirements, eliminating the need to ingest additional copies.

**Hybrid, Multi-Cloud Performance:** Manage complexity across hybrid environments through a unified platform that simplifies management and gives you control of your data wherever it resides. Back-up to the cloud or back-up in the cloud with security-rich and cost-effective built-in cloud integration. Regardless of where your data is hosted, automate backup, frequency, retention, and reuse across your environment.

**Efficient Business Operations:** Boost performance and lower cost with data protection and storage that doesn't impact performance and maximizes storage efficiency. Realize the cost benefits of leveraging your existing storage investments through efficiency capabilities that are enabled entirely in software - no additional hardware-based appliances are needed for deduplication, encryption, network acceleration or multi-cloud access.



## Conclusion

Seagate Lyve Cloud and IBM Spectrum Protect have partnered to help you go beyond traditional storage, backup, and recovery. The joint solution delivers simplicity, scalability, cost efficiency, data protection, and recovery across multi-cloud environments - all while helping you leverage secondary data for improved analytics, reporting, and competitive business advantage.

## Ready to Learn More?

For more information on IBM Spectrum Protect, visit: [ibm.com/products/data-protection-and-recovery](https://ibm.com/products/data-protection-and-recovery)

For more information on Lyve Cloud, visit: [seagate.com/lyvecloud](https://seagate.com/lyvecloud)

