

## Dell ObjectScale with Cloudera Modern, S3-Native Storage for Enterprise AI

### Next-Gen AI Platform

- Run AI and analytics on S3-compatible storage.
- Scale efficiently with disaggregated compute and storage.
- Modernize to a scalable on-premises architecture.

### Security, Governance, and Compliance

- Secure data with encryption, IAM, and access controls.
- Govern data for regulated industries.
- Retain control with on-prem deployment.

### Performance and Scale

- High-throughput access for AI and analytics.
- Scale to petabytes and beyond with ObjectScale.
- Maximize compute efficiency with Cloudera's architecture.

### Efficient, Scalable Storage for AI

As organizations face growing datasets and increasing demands for AI and analytics, they must ensure sensitive data remains secure, governed, and under control. Dell ObjectScale with Cloudera unites modern, cyber-resilient object storage with an enterprise-grade data and AI platform. This validated architecture enables Cloudera compute services to run directly on scalable, S3-compatible object storage, eliminating some of the constraints of the more traditional HDFS storage. The result? A high-performance, disaggregated data platform that scales effortlessly while delivering the governance, performance, and cost-efficiency enterprises need.



### Powered by Dell ObjectScale and Cloudera

Dell ObjectScale, Dell's next-generation software-defined object storage platform, is built for exabyte scale, cyber-resilience, and S3 compatibility. Leveraging its proven heritage, ObjectScale delivers highly durable and secure storage, making it the ideal data store for AI, analytics, and modern applications. With Cloudera certifying ObjectScale as an analytics storage target, organizations can run compute workloads directly against scalable, S3-compatible object storage.

Cloudera's enterprise-grade data and AI platform integrates data engineering, warehousing, streaming, and AI/ML into a unified, open data lakehouse. With its disaggregated compute and storage design, Cloudera enables a flexible, scalable architecture, all while ensuring robust governance and compliance.

Together, Dell ObjectScale and Cloudera help customers:

- Build a modern, on-premises AI and analytics platform, keeping data close to where it's generated and governed.
- Seamlessly migrate from traditional HDFS to S3-compatible object storage with a clear, validated path forward.
- Reduce TCO compared to public cloud by minimizing data movement, avoiding egress fees, and optimizing infrastructure.
- Extend a data fabric that evolves from core to edge and cloud as business needs grow.

## Key Capabilities

**S3-compatible analytics data storage for Cloudera:** ObjectScale delivers S3-compatible object storage as an analytics data layer for Cloudera, providing seamless support for modern workloads with HDFS as operations datastore.

**Disaggregated compute and storage:** The combined architecture of Cloudera and ObjectScale enables independent scaling of compute and storage, optimizing resource utilization and delivering predictable performance for large datasets.

**Enterprise security and governance:** This joint solution offers fine-grained access controls, encryption, and robust governance, making it ideal for highly regulated industries like financial services, healthcare, telecommunications, and the public sector.

**Investment protection and roadmap:** ObjectScale safeguards existing deployments while providing a clear path to a future-ready storage platform optimized for AI and Analytics Cloudera certifications coming soon.

## Take your Dell storage further with Cloudera

Dell ObjectScale with Cloudera offers a seamless path to modernize, consolidate, and scale your data infrastructure. By leveraging your existing Dell infrastructure, Cloudera licenses, and expertise, you can transition to a future-ready data and AI platform that is secure, governed, and cost-efficient whether on-premises, at the edge, or across a hybrid cloud environment.



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