

Power Multicloud Data Using Dell and Databricks

Activate your on-prem data with Databricks' cloud-native analytics – without moving your data.

95%

Feel that access and governance difficulties are a challenge affecting their business success.

75%

Reported 'becoming data driven' was an objective of their cloud adoption projects.

Resources

[Review the white paper](#)

[Read the blog](#)

Learn More

[Dell Data Management](#)

[Dell ECS](#)

The biggest business opportunity for enterprises today lies in harnessing data for business insights and gaining a competitive edge. At the same time, the data landscape is more distributed and fragmented than ever. Data is spread out across multiple environments including on-premises and multiple public clouds.

Enterprises want solutions that enable a multicloud data strategy by design. That means leveraging data wherever it is stored along with the analytical toolkits of choice to drive data-based digital transformations forward.

Dell and Databricks

That is why Dell Technologies has partnered with Databricks to offer the power of the cloud through the Databricks Lakehouse Platform with the control and cost-efficiency of data stored in Dell ECS object storage on-premises or in a colocation facility.

Data stored in Dell ECS, located either on-premises or in a cloud adjacent datacenter such as Faction, uses the Databricks compute engine to process data without physically moving it out of Dell ECS storage. This unlocks significant advantages:

- **Compute on demand**– Data engineers, data analysts and data scientists can avail of compute on demand with Databricks and use it to process data located on-premises or in a cloud adjacent datacenter such as Faction.
- **Share data**– Data can be shared within and outside the organization using Databricks Delta Sharing, without physically making copies of the data
- **Reduced data movement**– Data platform admins and data engineers can reduce the costs and complexity of moving data between on-prem and cloud and maintaining multiple copies of data.
- **Simplified data governance**– Data stewards and privacy experts can enforce data localization policies by having tighter control on movement of data across premises and regions. The shared responsibility model brings the best of both worlds – on-premises, colocation and cloud.
- **Open architecture and avoid vendor lock-in**– For CDOs and CIOs, such a model paves the way for a more open architecture based on open data and open table formats, avoids vendor lock in, decouples storage and compute and addresses data management challenges arising due to data gravity.
- **Build multicloud resiliency**– Businesses can rely on a common store in on-premises or colocation that will seamlessly integrate with multiple cloud providers or regions of any given cloud provider thereby avoiding service downtimes in case of any outage in any given cloud or region that has a single copy of data.

Databricks

Databricks, the data and AI company, was founded in 2013 by the original creators of Apache Spark™, Delta Lake and MLflow. The Databricks Lakehouse Platform combines the best elements of data lakes and data warehouses to deliver the reliability, strong governance and performance of data warehouses with the openness, flexibility and machine learning support of data lakes. As the world's first and only lakehouse platform in the cloud, Databricks offers a simple, open and multi-cloud platform to unify customer's for data.

Delta Lake

Delta Lake is an open format storage layer that delivers reliability, security and performance on your data lake – for both streaming and batch operations. By replacing data silos with a single home for structured, semi-structured and unstructured data, Delta Lake is the foundation of a cost-effective, highly scalable lakehouse.

Delta Sharing

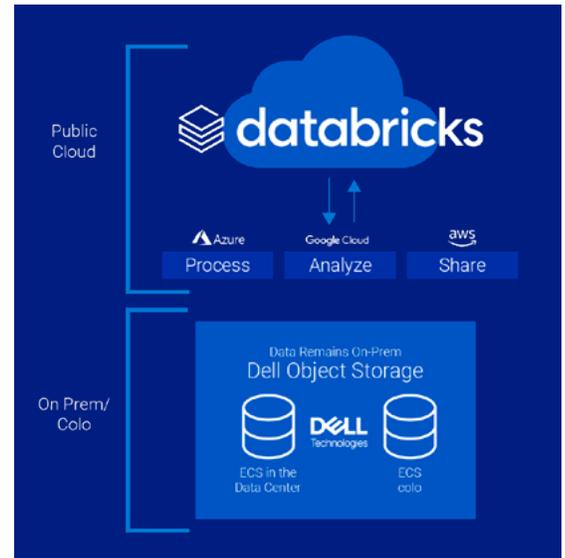
Delta Sharing provides an open solution to securely share live data from Databricks Lakehouse Platform to any computing platform.

Dell Technologies

Dell Technologies helps organizations and individuals build their digital future and transform how they work, live and play. The company provides customers with the industry's broadest and most innovative technology and services portfolio for the data era.

Dell ECS Enterprise Object Storage

ECS is the leading object storage platform from Dell Technologies, with unmatched scalability, performance, resilience, and economics. ECS delivers rich S3-compatibility on a globally distributed architecture, empowering organizations to support enterprise workloads such as cloud-native, archive, IoT, AI, and big data analytics applications at scale.



Dell Data Management

To provide the necessary flexibility, choice and interoperability across tools in the data space, Dell has curated a diverse ecosystem of leading technologies so that you never get locked in while you continue to innovate with your data. As a trusted partner for essential infrastructure, Dell can help activate data and accelerate time to insights by bridging data silos across multi-cloud and edge. By moving analytics closer to the point of data creation through innovative edge data solutions, we enable enterprises to be more agile.



[Learn more](#) about Dell Data Management solutions



[Contact](#) a Dell Technologies Expert



[View more resources](#)



Join the conversation with [#DellKnowsData](#)