Accelerate Data Exploration for Faster Insights

Query data across the data landscape, from on-prem to public cloud, without creating copies of the data.

73%

of a company's data goes unused for analytics and decision-making[1]

30%

potential annual revenue loss due to inefficiencies resulting from incorrect or siloed data[2]

70%

of a data practitioner's time is spent extracting data from a single or multiple sources[3]

Large amounts of raw data are collected every day. Effectively analyzing the raw data leads to better business outcomes. It puts knowledge into the hands of those chartered to gain insights: to find gaps, identify opportunities for process improvement, track customer experience successes and downfalls, pro-actively predict accounting trends for reduced spending and improved profit and revenue, and so much more – the opportunities are endless.

Organizations have taken steps to capture, store, and analyze their data, but data sprawl continues to be a challenge:

- Data users often need to wait until data is consolidated into a central data warehouse/data lake before they can consume it for analytics, data science or operational purposes
- Analysts and data scientists spend most of their time *finding* data, instead of innovating with it. In fact, only 22% of data management resources' time is spent on data innovation and monetization[4]
- IT teams are caught between the need to modernize data platforms and business teams who need instant access to data

Data virtualization aims to produce quick and timely insights from multiple data sources without having to embark on a major data project. If teams are given fast and accurate access to comprehensive data for analysis, regardless of location and without the need to move data, organizations can quickly pivot and excel forward.

Reference Architecture for Data Virtualization with Starburst

Dell Technologies now offers a Reference Architecture for Data Virtualization in partnership with Starburst Data – combining Dell PowerEdge servers alongside Starburst Enterprise Platform and Stargate to couple high-performance modular compute with exceptional scale alongside the fastest path from data to insight.

Using Dell ECS Enterprise Object Storage, organizations can utilize the world's most cyber-secure object storage.[5] It comes with unmatched scalability, performance, resilience, and economics with rich S3-compatibility on a globally distributed architecture. This distributed data can be analyzed with access control while reducing data complexity, cost, and delays in decision-making. Customers can continue using their favorite BI and data science toolkit with a lightning-fast SQL query engine that can securely access data stored across cloud and hybrid environments.
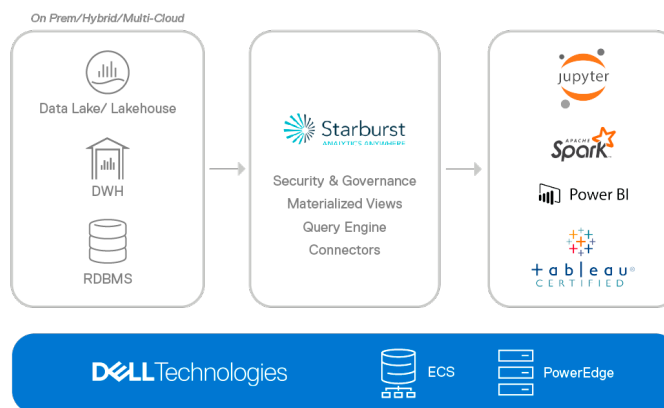
Single point of access for all your data

Starburst Enterprise Platforms offers customers the flexibility to run federated interactive and ETL workloads using a single query engine without copying or moving any data. Thus, giving teams access to the comprehensive data sets needed for effective analysis to drive business insights.

By utilizing this data virtualization technology coupled with Dell Technologies' software-driven storage solutions, customers can automate IT, and gain control of their data sprawl to further innovate.
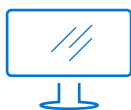

Dell Technologies

With software-driven storage solutions that help you automate IT, gain multicloud control and mobility and innovate securely, and PowerEdge servers that offer the ideal performance, versatility, and quiet operations, you can power your transformation with server, storage and network solutions that adapt and scale to your business need.

PowerEdge

Dell PowerEdge servers are designed to address your most challenging workloads from the edge to the cloud to the core. Paired with our OpenManage integrated IT management system, PowerEdge rack servers empower you to focus on growing your business with enhanced agility and time to market with the ability to support workloads such as analytics and virtualization.

ECS Enterprise Object Storage

The object platform from Dell, ECS, is the world's most cyber-secure object storage.[5] Deployable as a turnkey appliance or in a software-defined model, ECS empowers organizations to support enterprise workloads such as cloud-native, archive, IoT, AI, and big data analytics applications at scale. As a software-only solution, ECS is designed to unlock data insights from both traditional and next-generation applications, allowing customers to deploy this platform on their own terms.

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

[Contact](#) a Dell
Technologies Expert

[Join the conversation
with #DellKnowsData](#)

---

[1] Forrester. Forreseter Wave: Big Data Hadoop Distributions, Q1 2016. [Full report here.](#)

[2] IDC. Dec 2020. Doc # US47142220. Solving the Data Silo Problem with Multicloud Data Management Platforms. Goodwin, Phil. [Full report here.](#)

[3] Anaconda. The State of Data Science 2020. Moving from hype toward maturity. [Full report here.](#)

[4] Gartner. Survey Analysis: Data Management Struggles to Balance Innovation and Control. March 19 2020.

[5] Based on Dell analysis comparing cyber-security software capabilities offered for Dell ECS vs. competitive products, September 2022.

DELLTechnologies