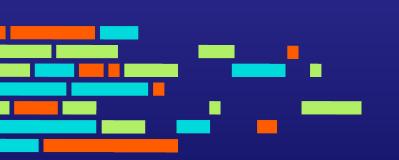


EPISODE 24

Building a Data Lakehouse on Azure Data Lake Storage

SPEAKERS





Ellie Vail
Product Manager, Azure Data Lake
Microsoft



Tony TruongSr. Product Marketing Manager
Dremio



Data is the most strategic asset in today's data driven digital economy





Gaining value from data is at the heart of everything we do. Data is the product.





Scalable, durable, available



Secure and compliant



Cost Effective



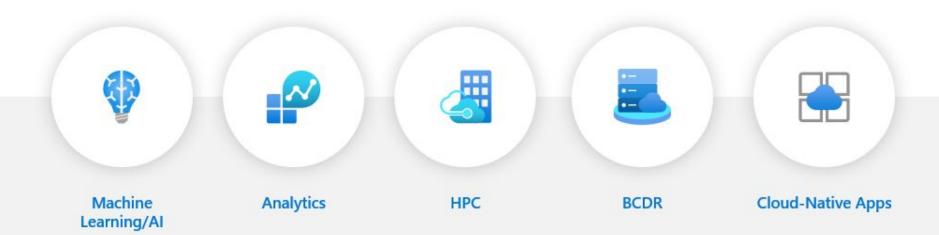
Comprehensive data management



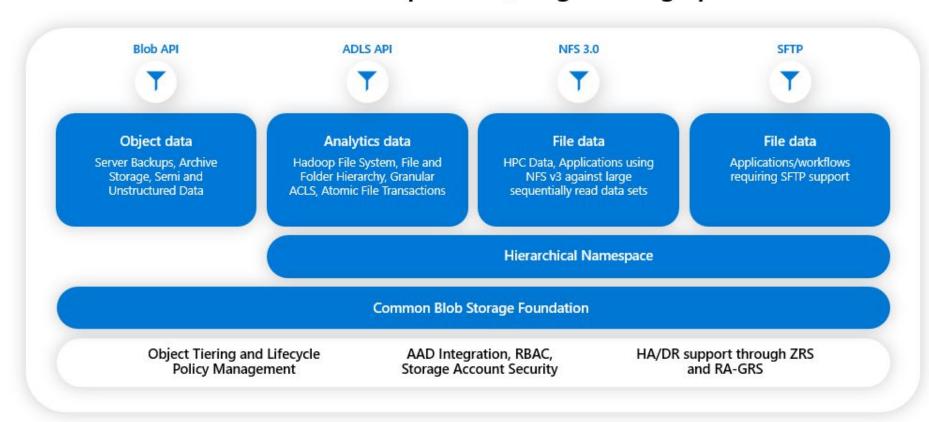
Foundational for demanding workloads

Lake Storage

Blob and Data Lake Storage key use cases



No Data Silos - Multi-protocol, single storage platform



Leading the Present and Future of Data Analytics

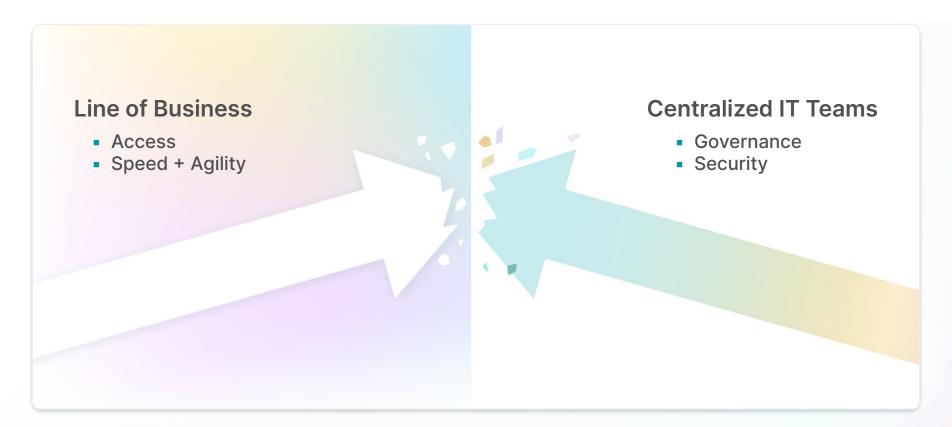




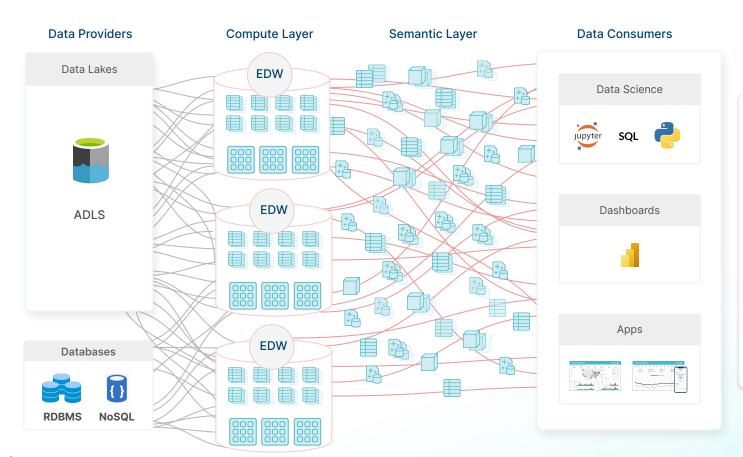




Intensity of Competing Data Priorities is Increasing

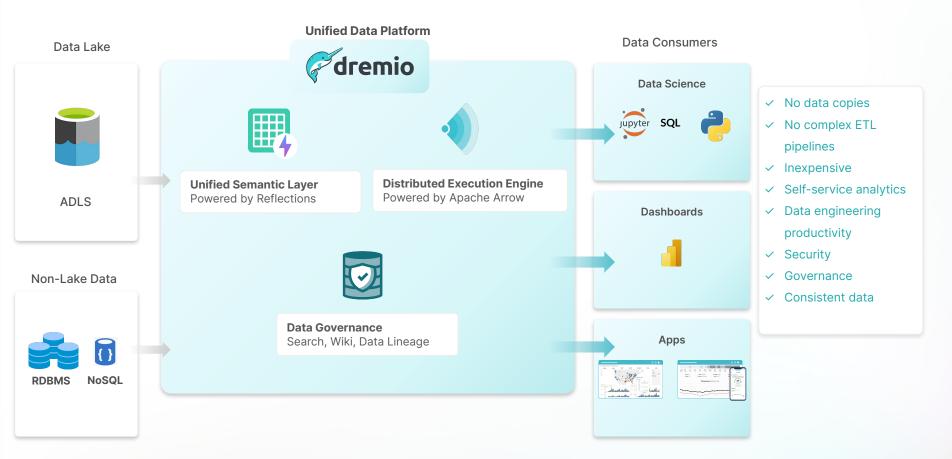


Traditional Analytics Architecture



- × Complex
- × Expensive
- × Lock-in
- × Impossible to secure
- × No self-service
- × Limited data exploration
- × Inconsistent data

Data Lakehouse on ADLS with Dremio



Growth in Digital & AI Transformation

Data Analytics Modernization

Make your current system work better

Data Mesh

Migrate Data

Migrate Hadoop

Warehouses to

Lakehouses

Modern Data Virtualization Cloud Data Lake to Cloud Data Lakehouse

New Projects

Build new analytics capabilities

Departmental Lakehouses

- Customer 360 / CDP
- Supply Chain
- Trading Data for Quants
- Product Analytics

Data Science

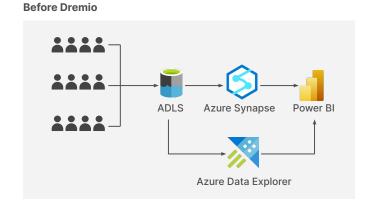
Internal Analytics Apps / Custom Dashboards

Customer-Facing Analytics Apps

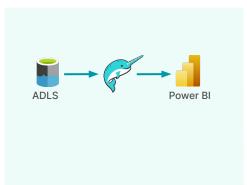


Delivering Product Analytics for Customer 360 on ADLS

Top Fortune 15 Company



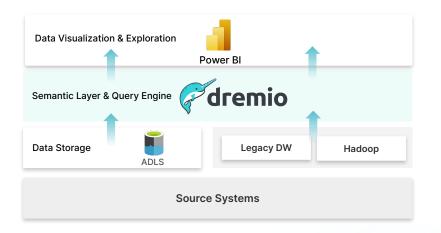
After Dremio



Business Problem	Why Dremio?	Results
 Needed to analyze product usage across portfolio cloud offerings 50 TB of data today, growing 5 TB per day Lots of ETL pipelines and Spark jobs, Presto not an effective solution Internal tools required data movement Adding more data sources means adding data engineers Data pipelines were hard to create, and even harder to maintain 	 Rich semantic layer Run fast BI queries directly on ADLS without copying into data warehouse and BI cubes Support Parquet and Delta Lake tables 	Self-Service Access Analysts now have self-service access to data at interactive speed using Power BI directly on ADLS Dynamic security controls govern access and maintain data lineage Reduced Data Engineering Workload Reduced complexity and costs associated with building and maintaining ETL pipelines Only need single copy of data

Dashboards Running Up To 30x Faster





Business Problem	Why Dremio?	Results
 Support the business's ability to cross-sell, up-sell, and service their customer base Moving data pipelines took 2-3 months for critical and large datasets Slow analytics development due to functional silos created among experts in different data repositories Long turnaround time for data requests 	 Self-service data analytics Modernize data infrastructure on data lake Cost-effective solution that replaces expensive on-prem DW Immediate performance gains on Hadoop 	Cost reduction Reduced cost & dependency on external data engineering consultants Retire EDW in 2 years and decommissioning Hadoop infrastructure Faster time-to-insight Minimize "revenue leakage" by not having to wait to run analyses



