

# Proven Strategies To Modernize Your Data Warehouse



Managing data complexity, access control, ETL (Extract, Transform, Load), and the synchronization of data across on-prem and various cloud environments can be challenging without the right processes, technology, and strategic partnerships in place.

Break through the barriers to modernize your data warehouse with these proven strategies and success stories.

## 1 Address repeated ETLs (Extract, Transform, Load)

**1 TB of Data**



**2-3+ Hours**



**Average Time for ETL with highly-qualified personnel**

**\$250,000 per PB**



**Total Cost to ETL Data**  
\*Cost estimated based on 2023 industry ETL practices

With highly qualified personnel, the ETL process can take two to three hours (or more) depending on the:

- Connection speed
- Data hygiene
- Other data quality issues

before clean, usable data can be made accessible.

Repeating the ETL process can be cost prohibitive. Unfortunately, there are scenarios that may necessitate repetition (e.g., the initial ETL process resulted in data quality issues such as missing, inaccurate, or inconsistent data; there are changes in data requirements or business rules that were not properly accounted for in the initial ETL process).

### Solution Spotlight:

#### How Faction solved this challenge for a global private equity firm

Faction enabled a leading global Private Equity Firm to harness the full potential of their data warehouse, driving pivotal business initiatives through a seamlessly integrated, modern data pipeline.

By partnering with Faction, this Private Equity Firm revitalized their data management processes and communication strategies. Their team can now:



**Immediately access and action production data as it's processed to derive insights and grow the business**



**Leverage real-time analytics by instantly connecting data with Business Intelligence (BI) and analytics tools**



**Deliver real-time analytics to the executive team through comprehensive dashboards**

## 2 Improve synchronization of streaming data



**Moving + replicating data between clouds**



**Weeks or months of effort + potential data complications, calling data integrity into question**

Streaming data is processed in real time or near-real time, making it incredibly valuable; however, native cloud storage does not sync between clouds. Third-party tools are available to facilitate cross-cloud data synchronization and replication, but may come with their own considerations and limitations.

### Solution Spotlight:

#### How Faction solved this challenge for a Fortune 500 Retailer

With locations nationwide, a Fortune 500 retailer sought to better synchronize their streaming data, and found Faction's Multi-Cloud Data Services (MCDS) as the perfect solution.

Once on Faction's platform, they were able to simultaneously access and present one copy of their data across:



**9 Cloud Regions**



**30+ App Instances**

## 3 Reduce complexity with internal requirements

Establishing multiple ETL processes and aggregating data from diverse services significantly increases complexity within an organization.

The complexity of managing multiple ETL processes necessitates a skilled workforce capable of:



**Designing**



**Implementing**



**Monitoring**



**Troubleshooting**

As organizations expand their data operations, staffing needs grow in parallel to manage the increasing complexity of data integration and management.

The challenge many organizations face is securing and retaining highly skilled personnel with specialized skills sets necessary to navigate and overcome these complexities.

### Solution Spotlight:

#### How Faction solves this challenge for one of the largest American manufacturers

After being in business for more than 100 years, one of America's largest, privately owned manufacturers simplified the complexity of their data warehouse environment by consolidating their multiple cloud storage instances into a single, cloud-integrated storage platform.

As a result, the manufacturer:



**Reduced data copies from three to one**



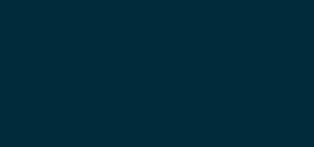
**Gained flexibility to use AWS and Azure, simultaneously**



**Eliminated additional ETL processes**

As an added bonus, simplifying their data environment contributed to **stronger talent acquisition and retention.**

## 4 Improve cost optimization and transparency



Maintaining multiple copies of data in different locations can increase public cloud costs exponentially.

Moving, synchronizing, and replicating large amounts of data between different services – especially across cloud providers or regions – can cause chain-of-custody issues and incur hefty egress fees.

### Solution Spotlight:

#### How Faction solves this challenge for an American University

An American University with one of the largest engineering colleges in the nation **now saves 30% monthly** on data storage costs by storing their data on Faction's cloud-integrated storage platform.

With Faction, this American University has:



**Reduced monthly cost per TB**



**Eliminated cross-regional data replication costs**



**Reduced egress costs**

**Discover the Faction advantage for modern, multi-cloud data management. Get More Details →**