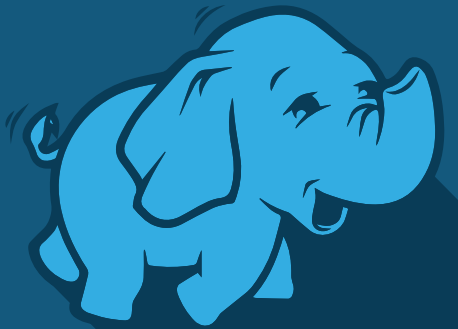


BIG DATA ANALYTICS POWERED BY HADOOP



Save money and time, and deliver higher quality analysis for your business

Data-intensive applications require large volumes of data and devote most of their processing time to I/O and manipulation of data. These applications include an array of use cases like IoT or Genomic Analysis. Most of these applications rely on MapReduce services like Hadoop. MapReduce services can process Big Data sets with a parallel, distributed algorithm on a cluster of compute nodes. Most cloud providers furnish MapReduce programs such as Hadoop, AWS Elastic Map Reduce (EMR), or Azure HDInsight.

Each public cloud provides different analytics capabilities, and some capabilities are unique to a provider. For example, AWS offers a rich set of applications and capabilities for voice recognition and anomaly detection. Azure offers Microsoft Power BI as-a-service to enable self-service business intelligence and meaningful insights with reports and dashboards.

The massive amounts of data required by these applications exert tremendous data gravity. As datasets grow larger and larger, they become increasingly difficult to move, which effectively locks an enterprise into their current cloud provider.

Overcome the challenges of vendor lock-in and data gravity with Faction Cloud Control Volumes - a multi-cloud data storage solution.



NO EXPENSIVE FEES FOR DATA INGEST TO CLOUD

All data is stored in Faction Cloud Control Volumes that are attached via low-latency, high-throughput connections. This means you don't need to pay high cloud services costs while ingesting large data sets into the cloud for analysis.



REDUCE THE TIME TO ANALYSIS AND INSIGHT

Data is readily available in your cloud-adjacent HDFS data store, saving you the lengthy time that would otherwise be required to import datasets into the cloud before running your analysis.

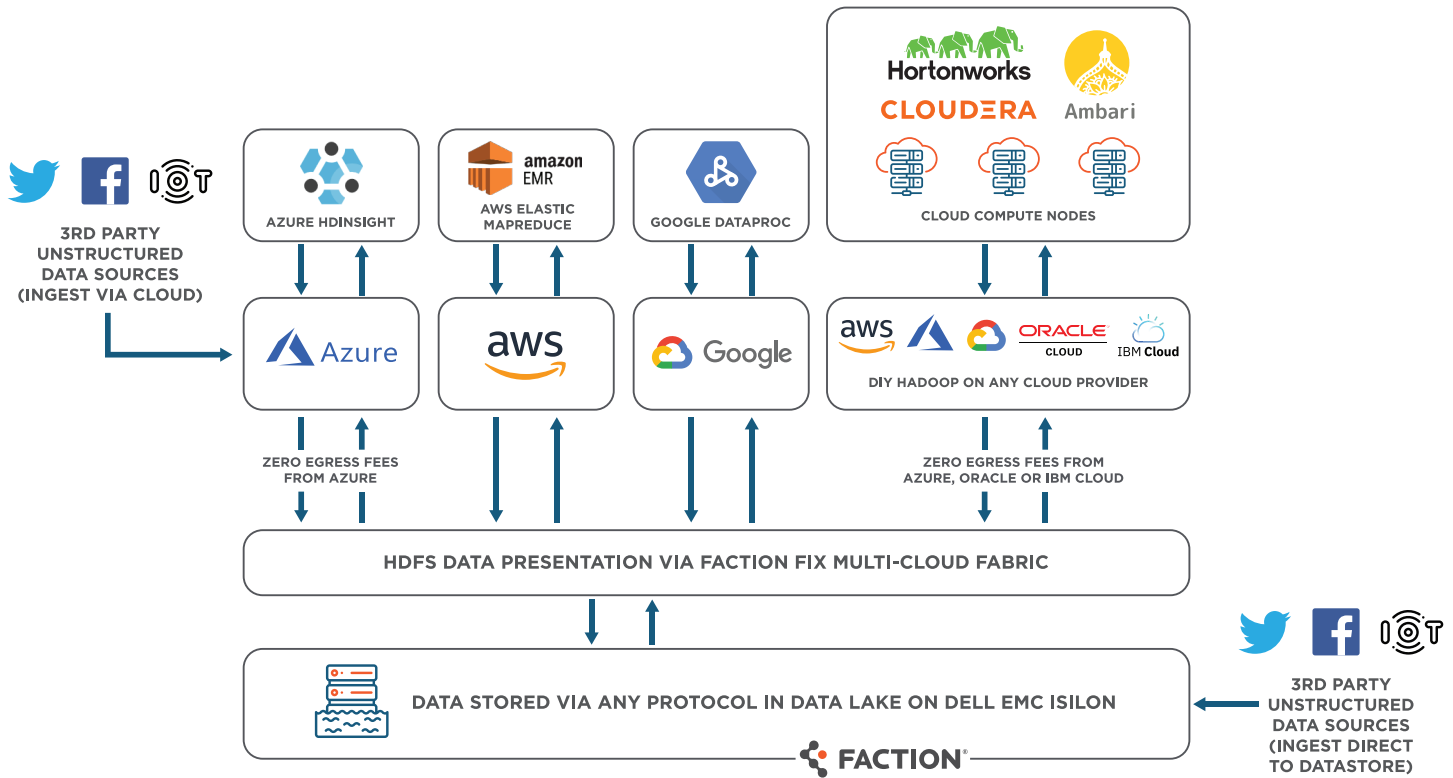


BETTER INTELLIGENCE FROM THE BEST AVAILABLE TOOLS

Once your data is connected, you can leverage cloud services from cloud providers like AWS, Azure, or Google without needing to duplicate data across clouds. This speeds up data analysis and gives your teams access to the best cloud services at all times.



SOLUTION ARCHITECTURE



SOLUTION SCENARIO

- Cloud-adjacent Hadoop Distributed File System (HDFS) datastores powered by Dell EMC Isilon
- Integrated HDFS datastores connected to cloud services like Azure HDInsights, AWS Elastic MapReduce or Google Cloud Dataproc
- Replicate on-premises data from Dell EMC Isilon directly to Faction Cloud locations for rapid analysis

SOLUTION BENEFITS

- Ingest data directly into your datastores leveraging a variety of tools like Prevaqa, Spark, or Kafka
- Combine 3rd party data sources, such as Twitter feeds, with company data to increase the quality of insights
- Leverage existing skills by using familiar HDFS Clusters built on tools like Ambari, Cloudera, or Hortonworks

SPEAK WITH A
CLOUD SPECIALIST

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