

HOW EXACTLY DOES DATA MOVE WITHIN

AWS ANALYTICS?

Data Sources

Structured Data
Organized in a fixed format for easy access.

Semi-Structured Data
Not organized, but comes with some metadata.

Unstructured Data
Not organized in any pre-defined format.



MOVE DATA TO THE CLOUD

AWS Import/Export Snowball AWS Direct Connect AWS DMS AWS Storage Gateway Services

Amazon S3

Amazon Glacier

Data Lake

Store any type of data with high levels of security, scalability, and availability.

Data Storage

Backup and archive data for long periods at extremely low cost.

Data Ingestion & Preparation

Amazon Glue

Discover and extract data from S3, prepare and load it for analysis.

Amazon Kinesis

Ingest and process streaming data.

Amazon EMR

Process vast amounts of data with a managed Hadoop framework.

Process and prepare raw data, including real-time data, and store the enriched data back to S3 for analytics consumption

Data Analytics

Amazon Athena

Query data on S3 using standard SQL.

Amazon Redshift

Run queries across massive data volumes in your Redshift data warehouse.

Run queries rapidly to get the exact data you need for your business questions

Machine Learning

Amazon SageMaker

Collect and label training data, pick your ML model from a vast array of built-in models, train your model with S3 data and deploy in a single click.

Machine Learning to power recommendation engines, capacity planning, forecasting, and more

Optimize Consumption of AWS Analytics Services

Automatic selection of the AWS service best suited to your workload.

Price and time forecasting. No sticker shock from the AWS bill.



Build interactive dashboards with point-and-click controls.

Drag-and-drop machine learning in your daily workflows.

Visually explore petabytes of S3 data.