Module 7

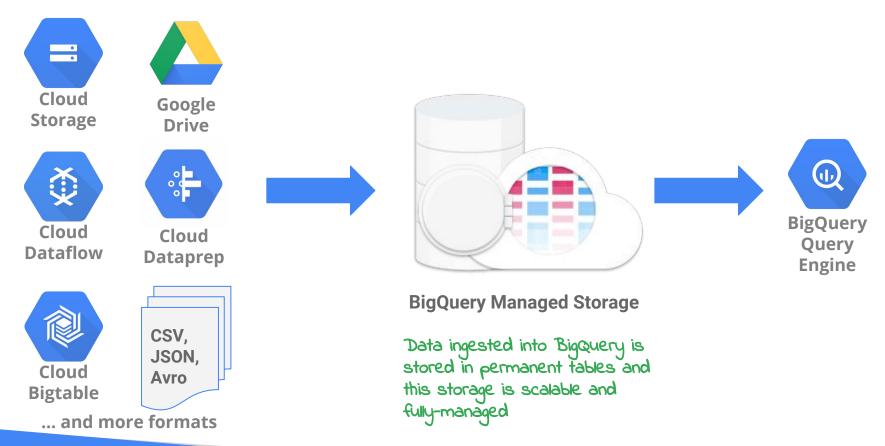
Ingesting New Datasets into Google BigQuery

In this module we will:

- Query from External Data Sources
- Avoid Data Ingesting Pitfalls
- Ingest New Data into Permanent Tables
- Discuss Streaming Inserts

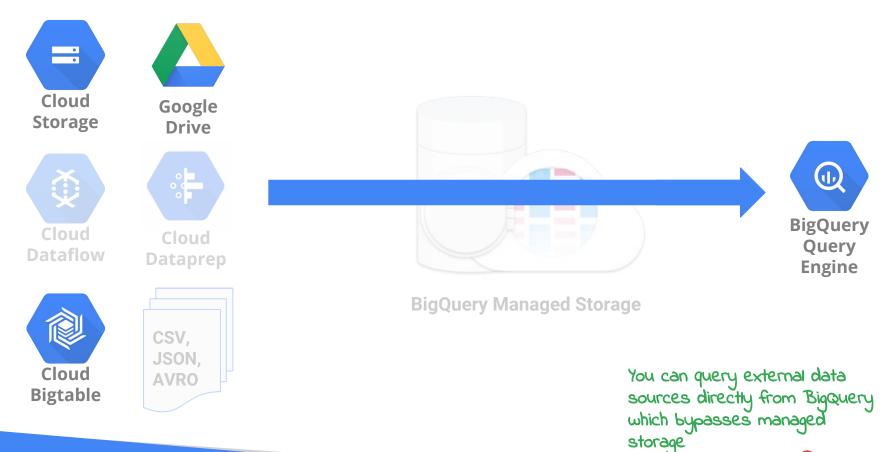


Ingest data permanently into BigQuery from a variety of formats



Google Cloud

BigQuery can query external data sources in GCS and Drive directly



Pitfalls: Querying from External Data Sources Directly



Limitations

- Strong Performance Disadvantages
- Data Consistency not Guaranteed
- Can't Use Table Wildcards (cool feature we will introduce shortly)

Streaming records into BigQuery through the API

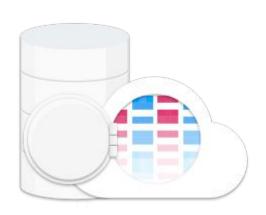


Streaming Record Inserts

Streaming data allows you to query data without waiting for a full batch load



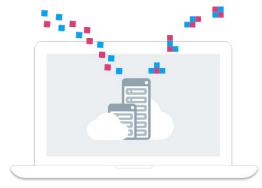
Summary: Ingest new datasets into BigQuery managed storage



Data stored permanently in BigQuery is fully-managed (performance, backups, redundancy).



Load new data from a variety of formats



Setup streaming ingestion into BigQuery through APIs



Lab 6 Ingesting and Querying New Datasets

Ingesting and Querying New Datasets

In this lab, you will ingest new data sources into Google BigQuery and learn how to query external data sources directly.

