

Summary of GCP DCA Module 4 - Video 7

Introduction to Cloud Data Tools

Cloud data analytics provides a library of tools to assist with each phase of the analysis process.

Business Data Request Example

A data analyst at a gaming company receives a request from the advertising team to analyze user engagement with ads during gameplay.

Data Sources and Hosting

Google Cloud Storage is used to compile and host data from various platforms and remote servers.

Data Pipeline Creation

Dataflow is used for stream and batch processing to import data from apps and local storage.

Data Integration and Management

Cloud Data Fusion helps build data pipelines and integrate user data continuously into the database.

Data Cleaning and Querying

BigQuery is used to write SQL queries to join and clean data, ensuring completeness and removing duplicates.

Large-Scale Data Processing

Dataproc enables the use of open-source analytics tools and programming languages for large-scale data analysis.

Analysis and Decision Making

The analyst shares findings with the advertising team to help decide between continuing ads or charging users a fee.

Conclusion

The case demonstrates how cloud data professionals use integrated tools to manage data workflows and support stakeholders.