

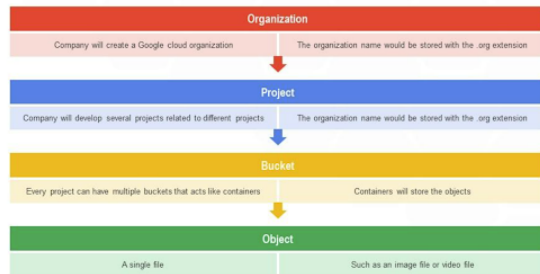
Google Cloud Storage (GCS)

What is GCS

Cloud Storage is a service for storing objects in Google Cloud. An object is an immutable piece of data consisting of a file of any format. The objects in containers are called buckets. All buckets are associated with a project, and these projects can be grouped under an organization.

Storage Hierarchy of Google Cloud

This slide defines the storage hierarchy of the Google Cloud from top to down, and the top storage unit is called organization, then project, bucket and object.



How to...

Where to find help

Data Architecture team

Google Cloud storage gives users capabilities to store data in the form of files coming from source and also transformed data sent to the destination application. The service combines the performance and scalability of Google's cloud with advanced security and sharing capabilities with cost effectiveness.

What Solvay uses GCS for

Google Cloud storage will be used as staging area or landing zone, is an intermediate storage area used for data processing during the extract, transform and load (ETL) process.

Who should use it

All the application users seek easy, cloud-based storage and access for their data. Also will be helpful for business and individual users who wants

Back up data: It provides high-reliability and high availability data backup solutions to store the data

Analyse large amounts of Data: GCS supports Google's analytics tools (Prediction API and Bigquery) to let data owners or data scientist to swiftly analyze terabytes of data for powerful business insights

When should you use GCS

1. To stage the data coming from source systems before it is processed by Talend/GCP functions
2. To archive/backup data for a long term.
3. To analyse data by the analytics team for business intelligence, ad hoc analysis, and machine learning.

What outputs it will give you

1. The Object/files stored in GCP can help data owners or data scientist to swiftly analyse terabytes of data for powerful business insights
2. Acts as a landing zone for source systems to drop files, which can be consumed by Talend /GCP functions