

Google Cloud Certifications



Google Cloud Platform: Cloud Storage

Google Cloud Platform : Cloud Training

- **Google Cloud Storage** is a **RESTful** online file storage web service for storing and accessing data on **Google Cloud Platform** infrastructure.
- It is an *Infrastructure as a Service* (**IaaS**), comparable to **Amazon S3** online storage service.
- Cloud Storage is unified object storage service.
- Cloud Storage is a persistent storage, it is durable, replicated and also made globally available via HTTP URL.
- Cloud Storage is auto scalable service.
- Cloud Storage is not a File System, because each item in cloud storage have unique URL.

Google Cloud Platform : Cloud Training

- **Key Terms:**
- **Buckets:** Basic containers that hold your data. Everything that you store in Google Cloud Storage must be contained in a bucket. You can use buckets to organize your data and control access to your data, but unlike directories and folders, you cannot nest buckets.
- **Bucket names:** Should be unique as the name of the buckets stored in single Cloud Storage namespace. Also, bucket names can be used with a CNAME redirect, which means they need to conform to DNS naming conventions.
- **Bucket labels:** Bucket labels are key:value metadata pairs that allow you to group your buckets along with other Google Cloud.

Google Cloud Platform : Cloud Training

- **Key Terms:**
- **Objects:** Objects are the individual pieces of data that you store in Google Cloud Storage.
- Objects have two components: object data and object metadata.
- The object data component is usually a file that you want to store in Google Cloud Storage.
- The object metadata component is a collection of name-value pairs that describe various object qualities.
- There is no limit on the number of objects that you can create in a bucket.

Google Cloud Platform : Cloud Training

- **Cloud Storage** objects are immutable.
- Cloud Storage allow to version the stored objects.
- Object Versioning needs to be enable explicitly, in absence of Object Versioning, new objects terminates the old.
- Cloud Storage offers life cycle management policy for the objets in bucket.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the word 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker is black with a silver band. The text 'Thank you!' is written in a fluid, cursive style, with the exclamation mark being the final stroke. The background is a plain, light-colored surface.

See you in next lecture ...