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| DevOps Lab  **CLoud Compute - GCP** |
| CLOUD STORAGE  Home tasks |

Tasks are aiming to gain knowledge how to operate with Google Cloud storage.

## Task 1

### Objectives In this lab, you'll learn:

* How to access the Cloud Storage Browser in the Google Cloud Console.
* How to create a Cloud Storage bucket.
* How to upload objects to a Cloud Storage bucket.
* How to delete a Cloud Storage bucket and all the object it contains.

Link to lab: [codelabs: cloud-upload-objects-to-cloud-storage](https://codelabs.developers.google.com/codelabs/cloud-upload-objects-to-cloud-storage/index.html?index=..%2F..index#0)

## Task 2

It’s aiming to create Google Cloud storage.

Objectives In this lab, you learn how to perform the following tasks:

* Create and interact with your first GCS bucket using the UI and Command Line tool
* Setup ACL bucket and file permissions
* How to use the online transfer tool
* Configure Lifecycle Management
* Setup IAM permissions

Link to lab: [codelabs: cloud-storage](https://codelabs.developers.google.com/codelabs/es003l-storage/index.html?index=..%2F..index#0)

## Task 3

It’s aiming to create Google Cloud storage.

Objectives In this lab, you learn how to perform the following tasks:

● Create and use buckets

● Set access control lists to restrict access

● Use your own encryption keys

● Implement version controls

● Use directory synchronization

● Share a bucket across projects using Cloud IAM

Link to lab: [codelabs: gcp-infra-cloud-storage](https://codelabs.developers.google.com/codelabs/gcp-infra-cloud-storage/index.html?index=..%2F..cloud#0)

## Task 4

It’s aiming to create Google Cloud storage.

Objectives In this lab, you learn how to perform the following tasks:

* How to Create a CNAME record
* How to point that CNAME record at Google Cloud Storage.
* How to Create a Google Cloud Storage bucket named like your domain.
* How to Upload and set permissions on the static files for your website.
* How to Test your website.
* How to Add HTTPS support with a HTTPS LoadBalancer

Link to lab: [codelabs: static-website-cloud-storage](https://codelabs.developers.google.com/codelabs/gcp-infra-cloud-storage/index.html?index=..%2F..cloud#0)

All **reports** please place into repository:

<https://github.com/MNT-Lab/google-cloud-module> into appropriate branches: *first char of name + surname*.

For example:

Student: Siarhei Ivanou

Branch Name: **sivanou**

Format: README.md

**Email pattern: [MNT-CD-8.4]-FirstName-LastName**

Email should contain the link to personalized branch.