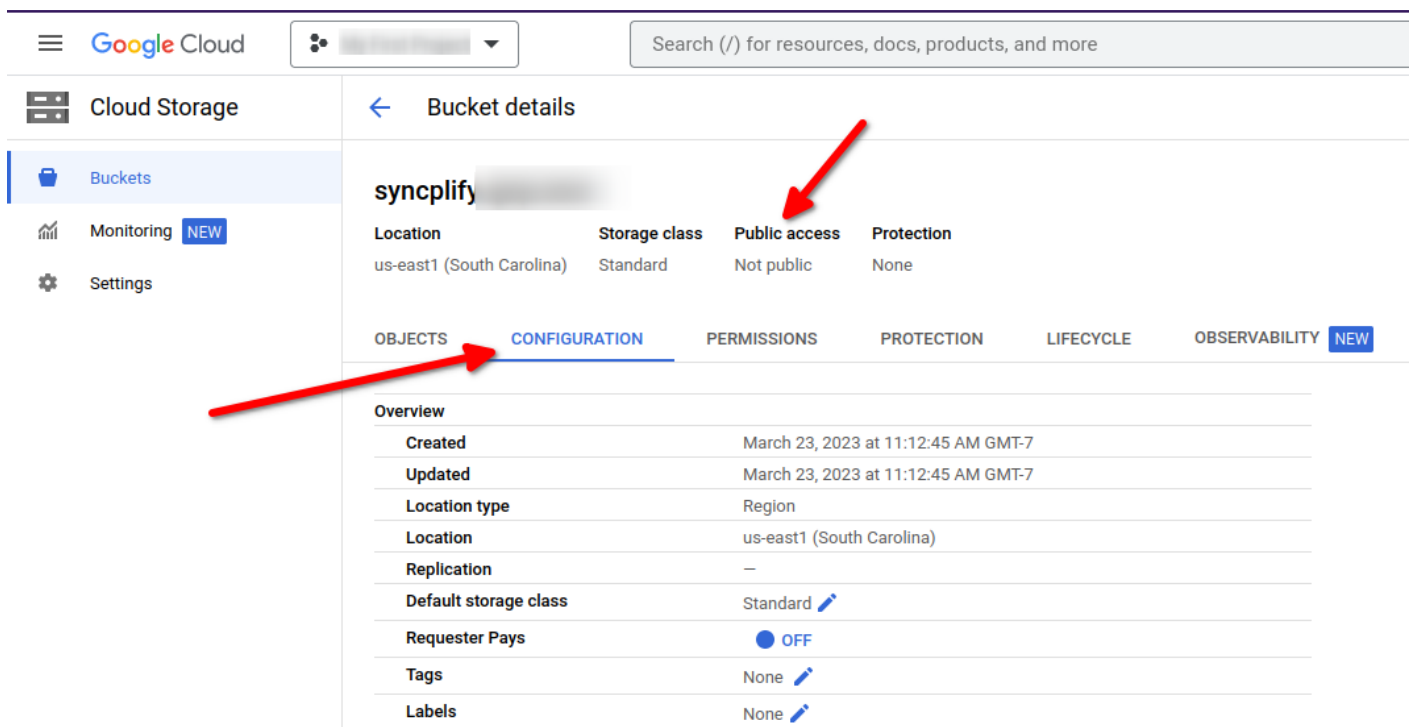


# How to use Google cloud platform's object storage Virtual File System (VFS)

Syncplify Server!, through its virtual file system (VFS) data storage layer, can store your SFTP server's data into various storage back-ends. This article explains how to use the **GCP** VFS type that stores your server's data into a Google Cloud Platform object storage bucket.

First of all you'll need to create a bucket in one of your Google Cloud projects. Please, make sure the security policies for this bucket meet your requirements (the settings shown below are for exemplary purposes only, you are responsible for deploying settings that meet your requirements):



The screenshot shows the Google Cloud console interface. On the left, the 'Cloud Storage' menu is open, with 'Buckets' selected. The main area displays the 'Bucket details' for a bucket named 'syncplify'. The bucket is located in 'us-east1 (South Carolina)', uses 'Standard' storage class, has 'Not public' public access, and 'None' protection. Below this, there are tabs for 'OBJECTS', 'CONFIGURATION', 'PERMISSIONS', 'PROTECTION', 'LIFECYCLE', and 'OBSERVABILITY'. The 'CONFIGURATION' tab is active, showing an 'Overview' section with various settings. Two red arrows point to the 'Public access' setting and the 'CONFIGURATION' tab.

| Location                  | Storage class | Public access | Protection |
|---------------------------|---------------|---------------|------------|
| us-east1 (South Carolina) | Standard      | Not public    | None       |

| OBJECTS               | CONFIGURATION                        | PERMISSIONS | PROTECTION | LIFECYCLE | OBSERVABILITY |
|-----------------------|--------------------------------------|-------------|------------|-----------|---------------|
| <b>Overview</b>       |                                      |             |            |           |               |
| Created               | March 23, 2023 at 11:12:45 AM GMT-7  |             |            |           |               |
| Updated               | March 23, 2023 at 11:12:45 AM GMT-7  |             |            |           |               |
| Location type         | Region                               |             |            |           |               |
| Location              | us-east1 (South Carolina)            |             |            |           |               |
| Replication           | —                                    |             |            |           |               |
| Default storage class | Standard                             |             |            |           |               |
| Requester Pays        | <input checked="" type="radio"/> OFF |             |            |           |               |
| Tags                  | None                                 |             |            |           |               |
| Labels                | None                                 |             |            |           |               |

Now create a service account to access this storage bucket; make sure you create an access key in that service account, and download the access key in JSON format:

Google Cloud StorageTest

Search (/) for resources, docs, products, and more

**IAM & Admin**

- IAM
- Identity & Organization
- Policy Troubleshooter
- Policy Analyzer
- Organization Policies
- Service Accounts**
- Workload Identity Federation
- Labels
- Tags
- Settings
- Privacy & Security

**Keys**

Service account keys could pose a security risk if compromised. We recommend you avoid downloading service account keys accounts on Google Cloud [here](#).

Add a new key pair or upload a public key certificate from an existing key pair.

Block service account key creation using [organization policies](#).  
[Learn more about setting organization policies for service accounts](#)

**ADD KEY** — Create account key and download it in JSON format

| Type | Status | Key                                      | Key creation date | Key expiration date |
|------|--------|--|-------------------|---------------------|
|      | Active | 20025ba8a35bb8c3079968a0ce14d1a1b64b7b30 | Dec 29, 2019      | Dec 31, 9999        |

Now you have everything you need to configure your GCP (object storage) Virtual File System (VFS) in your Syncplify Server! v6:

**Editing VFS "TestGCP" (type: GCP)**

Target \*

gs://syncplify\_gcp\_test

Example: "gs://my-bucket".

JSON file

Choice gcpauth.json

the JSON file downloaded from the Google Cloud console

Soft Quota

0

Hard Quota

0

Cancel Edit

Make sure you specify the full bucket URL (including the gs:// protocol prefix) and then select the storage account key file (in JSON format) from your disk to be uploaded and used to access this particular Google Cloud object storage. And that's all there is to it: your VFS is ready to be used by

any of your Syncplify Server! v6 user profiles.

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