

How to use the s3 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 Storage console interface. The left sidebar contains navigation options: Cloud Storage, Buckets, Monitoring (NEW), and Settings. The main content area is titled 'Bucket details' for a bucket named 'syncplify'. It displays a summary table with the following data:

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

Below the summary table are tabs for OBJECTS, CONFIGURATION (highlighted with a red arrow), PERMISSIONS, PROTECTION, LIFECYCLE, and OBSERVABILITY (NEW). The CONFIGURATION tab is active, showing an 'Overview' section with the following details:

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

DETAILS PERMISSIONS **KEYS** METRICS LOGS

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 Synclify Server! v8:

Editing VFS "TestGCP" (type: GCP)

Target * **GCP storage URL**

gs://syncplify_gcp_test

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

JSON file **Upload service account key 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! v8 user profiles.

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