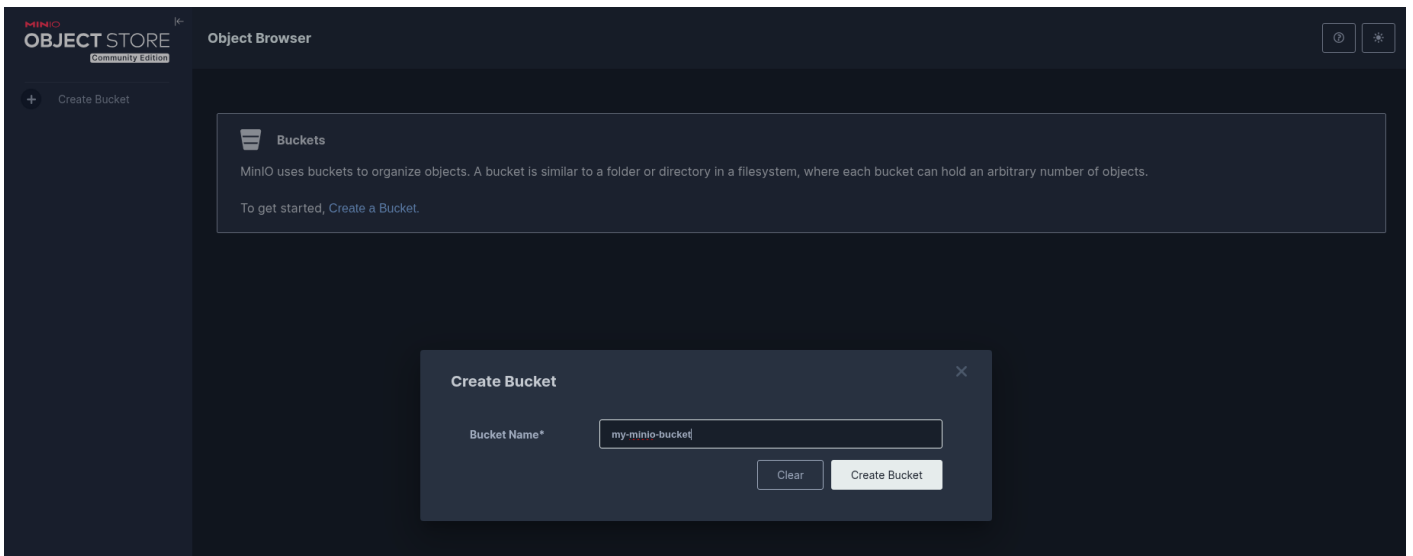


MinIO

MinIO is an probably the most well-known, self-hosted, *S3-compatible* object storage (read more on the [MinIO GitHub page](#)).

Step #1: in the MinIO web console

To use this object storage as a backend for SFTP.cloud, the first thing you need to do is creating a bucket in the MinIO web UI, as you'd usually do:



Once the bucket is created, **the next thing you'll need is an Access Key** (and its associated Secret) to access it. You can use your primary MinIO identity for this, but we recommend you provision dedicated per-bucket access credentials. With the community edition of MinIO you cannot do that in the web UI, but it's easy to do at command line. Here's a naive example:

```
mc alias set myminio http://127.0.0.1:9001 ADMIN_KEY ADMIN_SECRET

cat > mybucket-policy.json <<'EOF'
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": ["s3:GetObject","s3:PutObject","s3:DeleteObject","s3:ListBucket"],
      "Resource": ["arn:aws:s3:::mybucket","arn:aws:s3:::mybucket/*"]
    }
  ]
}
```

```
]
}
EOF
```

```
mc admin accesskey create myminio mybucket-user \
  --access-key "AKIAEXAMPLEKEY" \
  --secret-key "SECRETEXAMPLE" \
  --policy ./mybucket-policy.json \
  --expiry-duration 90d
```

If you'd prefer to do this via a web-based graphical console, there are 3rd-party projects that do just that, for example this one: <https://github.com/georgmangold/console>

That's it for the MinIO side. Now let's move to the SFTP.cloud side.

Step #2: in your SFTP.cloud Storage Connector

The first thing to do is to add a new **Virtual File System**. For MinIO in particular there are a few small (but extremely important) details to pay attention to:

- **Type:** `S3` (just like any other S3-compatible object stores)
- **Region:** leave empty
- **Endpoint:** this needs to be the MinIO S3 endpoint, by default MinIO uses `http://<rustfs-host-ip-addr>:9000` unless you configured it with TLS (which you definitely should) in which case it's `https://...`

The screenshot shows the SFTP.cloud Connector interface. The main panel displays a table of virtual file systems under the 'Storage' section. The sidebar on the right is titled 'Edit virtual file system' and shows configuration for 'my-minio'.

NAME	TYPE	TARGET
bulk	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/bulk
devfs	Disk	/opt/Syncplify/sc-comm-data/devfs
imp94986hash	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp94986hash
imp94986keys	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp94986keys
imp94986none	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp94986none
imp94986plain	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp94986plain
imp95089hash	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp95089hash
imp95089keys	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp95089keys
imp95089none	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp95089none
imp95089plain	Imported	/opt/Syncplify/sc-comm-data/devfs/legacy/imp95089plain
linode-bucket	S3	s3://my-fancy-test-bucket
my-minio	S3	s3://my-minio-bucket
my-rustfs	S3	s3://my-rustfs-bucket
seed-000	Disk	/opt/Syncplify/sc-comm-data/devfs/seed/seed-000
seed-001	Disk	/opt/Syncplify/sc-comm-data/devfs/seed/seed-001
seed-002	Disk	/opt/Syncplify/sc-comm-data/devfs/seed/seed-002

The 'Edit virtual file system' sidebar for 'my-minio' includes fields for Name, Type (S3), Connection (Bucket name: my-minio-bucket), Path inside (optional), Region, and Endpoint (optional: http://127.0.0.1:9000). It also has sections for Credentials (Access key ID, Access secret), Transfer Speed (Parallel connections: Standard), and AT REST ENCRYPTION (Not encrypted).

Do NOT forget to push the **Save** button next to the **Access secret** after you type it in, or it won't be saved, and nothing will work.

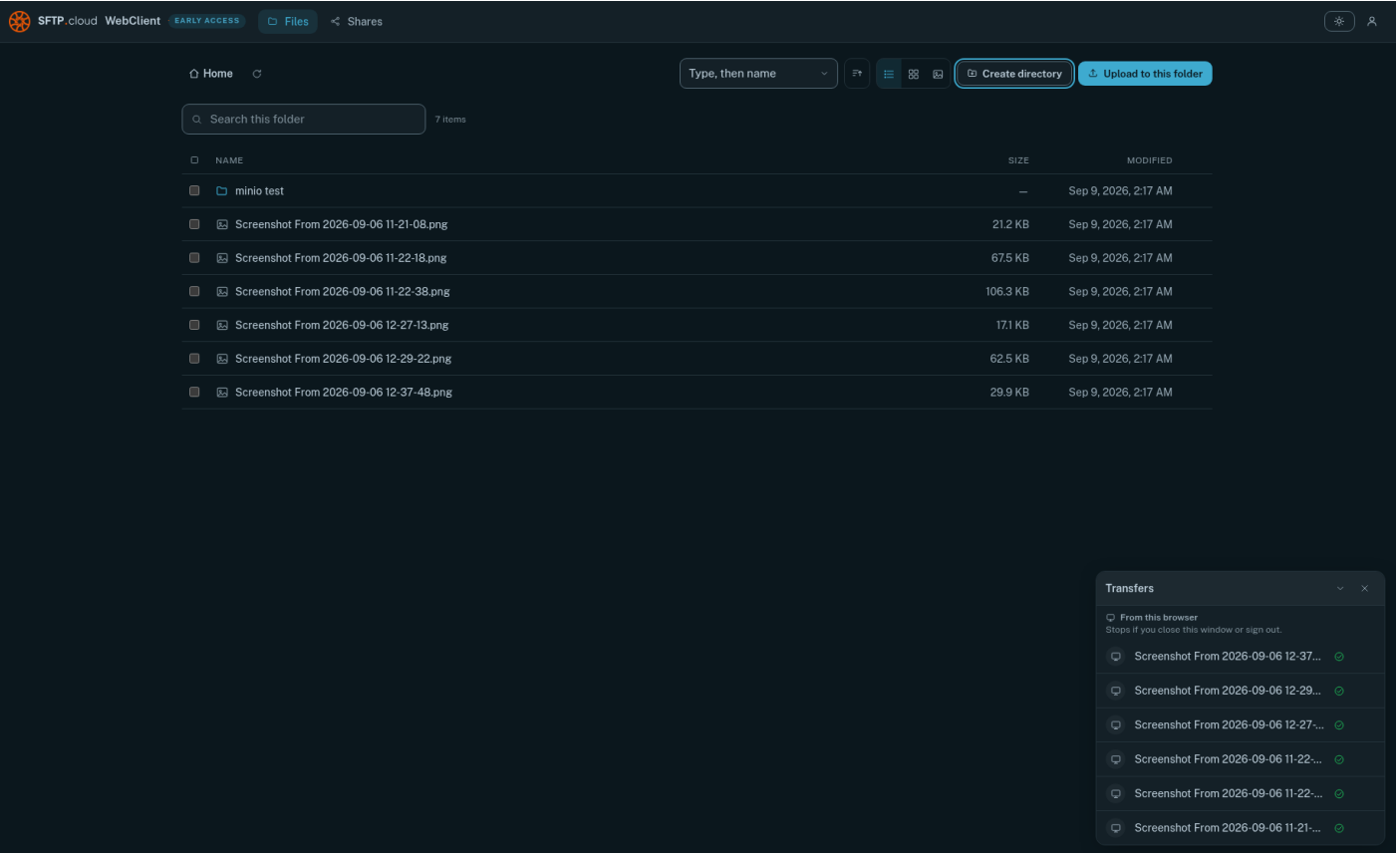
Then, still in the Storage Connector UI, go to the **Users** page, and give your user(s) the desired access to the newly created VFS:

The screenshot shows the 'Users' page in the SFTP.cloud Connector UI. The user 'alice@devsite' is selected, and the 'Access on this Connector' section is visible. A red arrow points to the 'my-minio' folder, and another red arrow points to the 'Full access' button next to it.

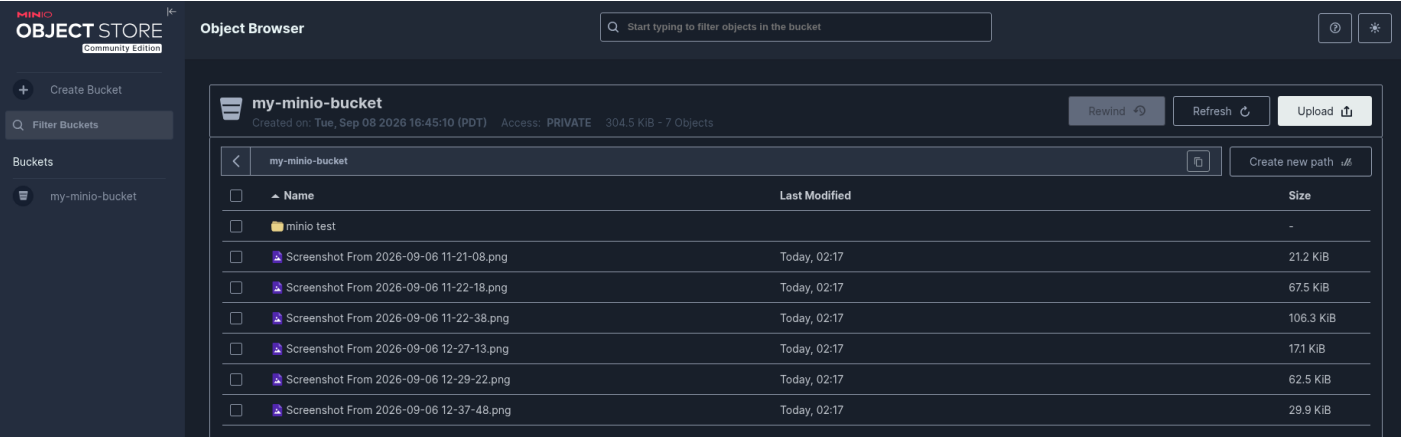
Folder	Access
my-minio	Full access
bulk	No access
devfs	No access

Finally

Test it out. Connect to it via your SFTP.cloud WebClient, create a folder, upload some files...



Then, back in the MinIO web UI you can verify that your folder and file(s) did actually land there:



And you're done. That's all there is to it. ☐☐