

# MinIO

- Setup MinIO as AWS S3 alternative in development with docker

# Setup MinIO as AWS S3 alternative in development with docker

## Installation

1. Make sure your local machine already have Docker installed.
2. Run MinIO:

```
docker run \
  -p 9000:9000 \
  -p 9001:9001 \
  --name minio-local \
  -v ${HOME}/projects/minio:/data1 \
  -e "MINIO_ROOT_USER=miniouser" \
  -e "MINIO_ROOT_PASSWORD=miniopass" \
  quay.io/minio/minio server /data1 --console-address ":9001"
```



```
~
↓77% → docker run \
  -p 9000:9000 \
  -p 9001:9001 \
  --name minio-local \
  -v ${HOME}/projects/minio:/data1 \
  -e "MINIO_ROOT_USER=miniouser" \
  -e "MINIO_ROOT_PASSWORD=miniopass" \
  quay.io/minio/minio server /data1 --console-address ":9001"
API: http://172.17.0.2:9000 http://127.0.0.1:9000
Console: http://172.17.0.2:9001 http://127.0.0.1:9001
Documentation: https://docs.min.io
```

3. On your Laravel project, install the dependency

```
composer require --with-all-dependencies league/flysystem-aws-s3-v3 "^1.0"
```

4. Change the `.env` on your project

```
AWS_ACCESS_KEY_ID=miniouser
AWS_SECRET_ACCESS_KEY=miniopass
AWS_DEFAULT_REGION=us-east-1
AWS_BUCKET=testing-saint
AWS_USE_PATH_STYLE_ENDPOINT=false
AWS_ENDPOINT="http://127.0.0.1:9000"
```

5. Running after rebooting your PC / Laptop / Mac (shall I mention rpi too?)

```
docker start minio-local
```

6. Accessing the web interface Open your web browser, access <http://localhost:9001>

7. Creating bucket

**MINIO CONSOLE**

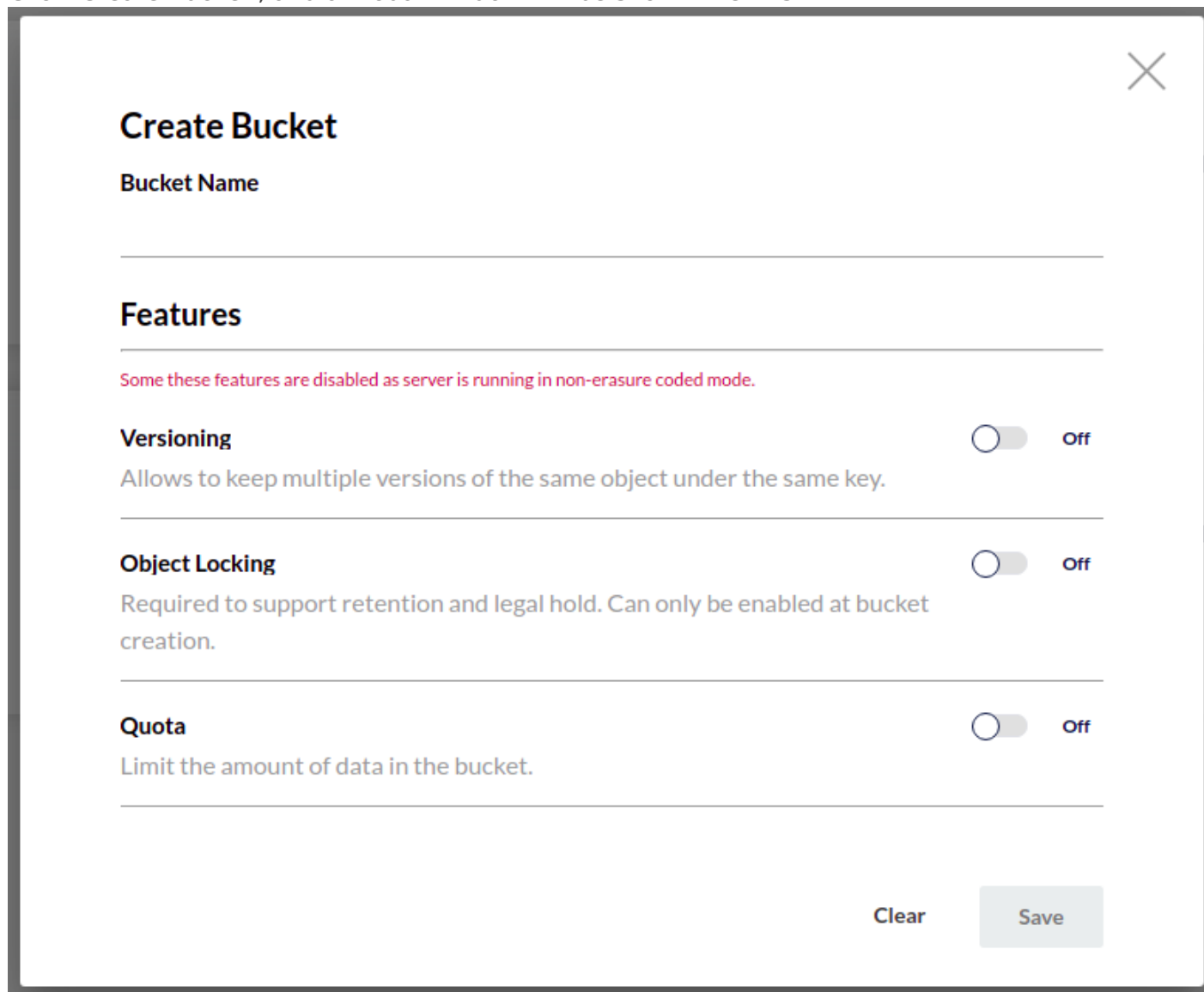
**Buckets**

Search Buckets:  **Create B...**

Bulk Select  Set Replicas

<b>test-tracer</b>				
Created: 2021-10-12T02:07:07Z Access: R/W	USAGE <b>4<sub>B</sub></b>	OBJECTS <b>1</b>		<b>Browse</b> Manage
<b>testing-saint</b>				
Created: 2021-10-12T02:23:54Z Access: R/W	USAGE <b>10<sub>B</sub></b>	OBJECTS <b>1</b>		<b>Browse</b> Manage

Click 'Create Bucket', and a modal window will be shown like this:

A modal window titled "Create Bucket" with a close button (X) in the top right corner. It contains a "Bucket Name" input field, a "Features" section with a warning message, and three toggle switches for "Versioning", "Object Locking", and "Quota", all currently set to "Off". At the bottom right are "Clear" and "Save" buttons.

**Create Bucket**

**Bucket Name**

---

**Features**

---

Some these features are disabled as server is running in non-erasure coded mode.

**Versioning** ☐ Off  
Allows to keep multiple versions of the same object under the same key.

---

**Object Locking** ☐ Off  
Required to support retention and legal hold. Can only be enabled at bucket creation.

---

**Quota** ☐ Off  
Limit the amount of data in the bucket.

---

Clear Save

Set the bucket name. The bucket name will be used as `AWS_BUCKET` in your app.

## Further Reading

[MinIO Documentation](#)