

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

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

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

×

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](#)