

Development Tools

- MinIO
 - Setup MinIO as AWS S3 alternative in development with docker
- Expose
 - Setup Expose

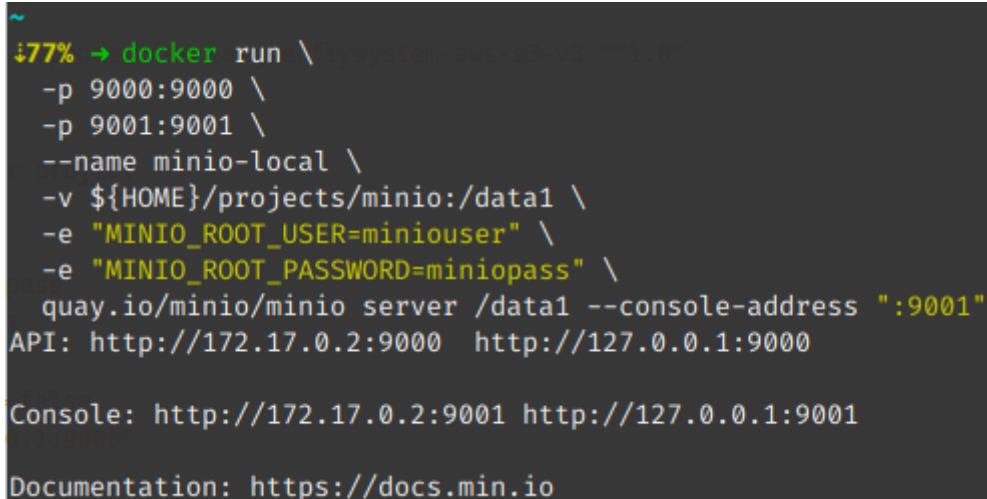
MiniO

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

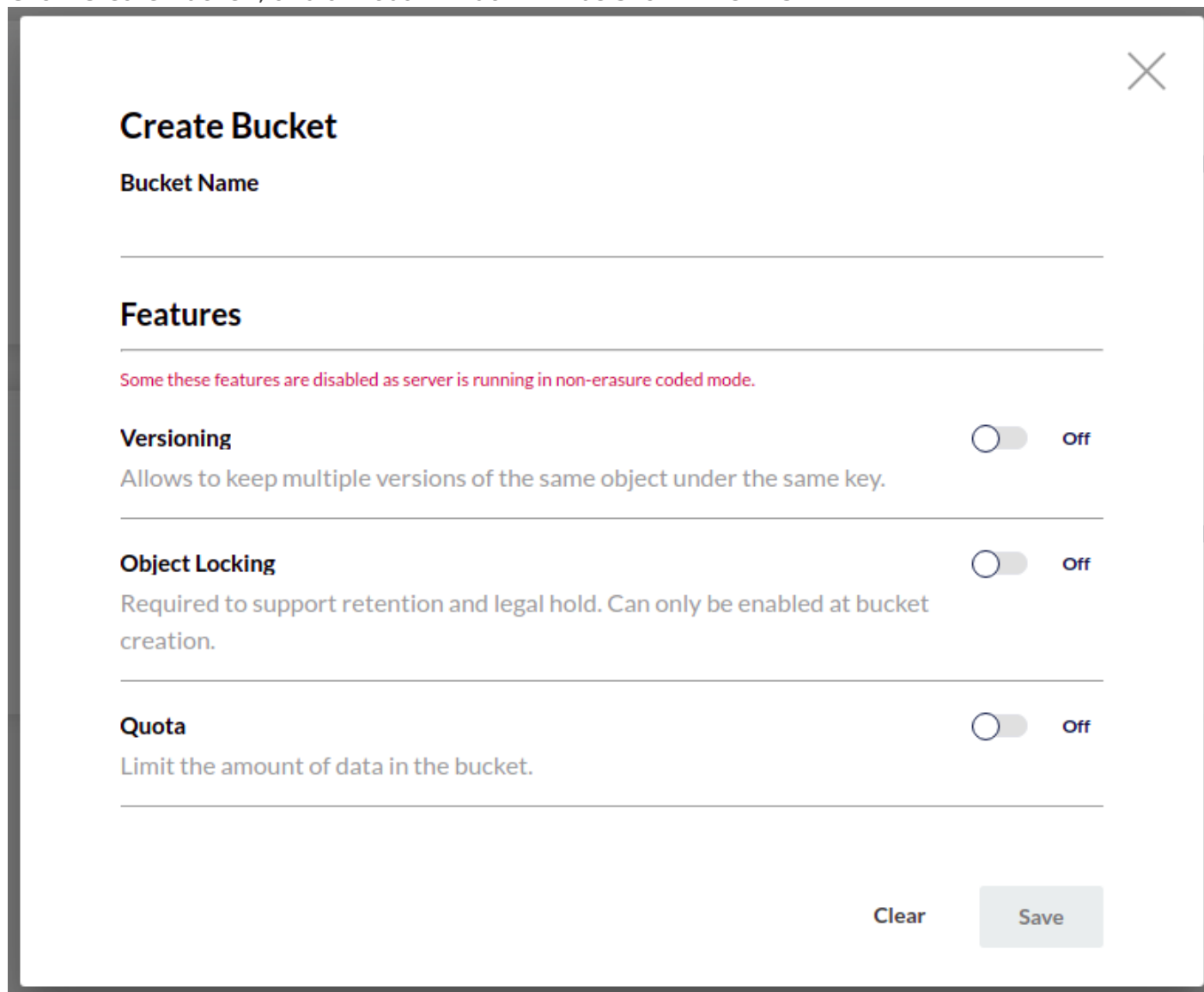
MINIO CONSOLE < Buckets

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

Bulk Select Set Replicas

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

Expose

Setup Expose

Overview

This documentation covers how-to setting up expose in Yayasan Vitka development environment.

Prerequisites

You need to set working development server first before using expose.

Installing Expose

```
$ composer global require "beyondcode/expose":"^1.0"
```

Configuration

1. Run:

```
$ expose token 00000000-2ee4-4106-91ef-2bc888d66660
```

“ This token is only a dummy token. Please refer to internal documentation for real key.

2. Publish the configuration

```
$ expose publish
```

3. Edit configuration

```
$ nano ~/.expose/config.php
```

Copy

replace `'host' => 'sharedwithexpose.com'` to `'host' => 'dev.yayasanvitka.id'`

Running Expose

To test if expose is running, go to your web project directory, then run:

```
$ expose share https://siakad.test --subdomain=siakad
```

Copy

This command shares your local `https://siakad.test` to `https://siakad.dev.yayasanvitka.id`. Visit the url to see if it is working.