FileFinder Installation Manual

**Requirements**

* Docker = 20.10.17
* Docker Compose = 3.7

**Application secrets**

The secrets required to run the FileFinder application are placed in the /secrets directory. This directory and the contained files are not tracked by version control. The secrets must be configured on the server before deployment. The table below gives a brief description of all the secrets used by FileFinder

| **Secret** | **Description** | **Notes** |
| --- | --- | --- |
| domain.crt | Public component of the SSL certificate | Can be self-generated for development use, but for production, an SSL certificate from a commercial certificate authority must be obtained |
| domain.key | Private key component of the SSL certificate | Can be self-generated for development use, but for production, an SSL certificate from a commercial certificate authority must be obtained |
| jwt\_key.json | JSON Web Token - Used to share signed security information between the client and the server | The key and metadata can be generated by JWT Key generators such as <https://mkjwk.org/> |
| aws\_credentials | Contains the AWS access key ID and the secret access key that gives the server access to the AWS S3 bucket for file uploads and retrieval | See the AWS S3 Setup section for more details |

**Environment Variables**

The environment variables must be stored in a .env file in the root directory of the project. The environment variables needed and their descriptions are given below.

# Stack hostname

DEFAULT\_HOSTNAME=

# Deployment type descriptor

DEPLOY\_TYPE=

# Database root user credentials

MYSQL\_ROOT\_PASSWORD=

MYSQL\_USER=

MYSQL\_PASSWORD=

# Database connection details

DB\_ENGINE=

# mariadb in our current stack

DB\_HOST=

DB\_PORT=

DB\_USER=

DB\_PASSWORD=

# utf8mb4 currently being used

DB\_CHARSET=

# Base API URL

DPR\_API\_BASE=

# AWS Credentials for S3 usage

# AWS Credentials profile used for FileFinder

AWS\_CREDENTIALS\_PROFILE=

# Region where the S3 bucket exists

AWS\_S3\_BUCKET\_REGION=

# Name of the AWS S3 bucket

AWS\_S3\_BUCKET=sdp-filefinder

# S3 API Version - Latest is 2006-03-01, that is being used currently

AWS\_S3\_API\_VERSION=

# XDebug modes to enable

XDEBUG\_MODES=

# XDebug log level. 0 is lowest

XDEBUG\_LOG\_LEVEL=

**AWS S3 Setup**

* [Create S3 Bucket [Versioning Enabled]](https://docs.aws.amazon.com/AmazonS3/latest/userguide/create-bucket-overview.html)
  + Note: [Versioning enabled S3 bucket](https://docs.aws.amazon.com/AmazonS3/latest/userguide/Versioning.html) must be used with FileFinder
* [Create a User in AWS IAM](https://docs.aws.amazon.com/IAM/latest/UserGuide/id_users_create.html#id_users_create_console)
  + Programmatic access is needed for generating AWS credentials used by FileFinder
* [Create an IAM Policy](https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create-console.html)
  + Minimum policies needed for FileFinder usage (JSON format)

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "VisualEditor0",

"Effect": "Allow",

"Action": [

"s3:PutObject",

"s3:GetObject",

"s3:DeleteObject",

"s3:DeleteObjectVersion"

],

"Resource": "arn:aws:s3:::bucket-name/\*"

}

]

}

* AWS Credentials File Format

[profile\_name]

aws\_access\_key\_id =

aws\_secret\_access\_key =

**Run Commands**

~/root$ docker compose up --build --force-recreate