

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 \[Versioning Enabled\]](#)
 - Note: [Versioning enabled S3 bucket](#) must be used with FileFinder
- [Create a User in AWS IAM](#)
 - Programmatic access is needed for generating AWS credentials used by FileFinder
- [Create an IAM Policy](#)
 - 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
```