# FILE BACKUP SYSTEM
# PROJECT SUMMARY

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# Contents

# 1    Overview

Our File Backup System is a cloud-based web application in which you could backup and fetch your own file at any time. The application also implements file management system where you could download back-up from the cloud or delete files in the cloud.
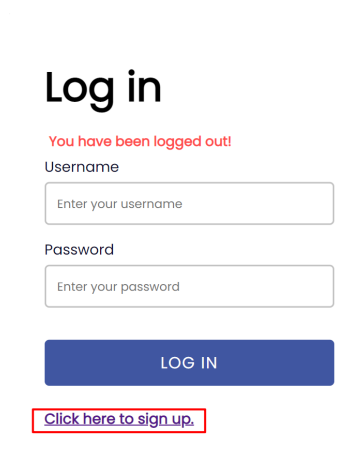
# 2    User Guide

## 2.1    Visit our website

You can visit our Homepage: `http://18.118.99.89:8080`
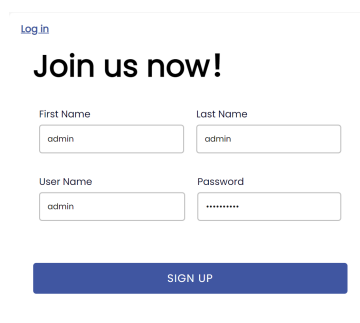
## 2.2    Sign up and log in

If it is the first time you visit our website, click on the "Click here to sign up" at the bottom of the login page for a quick sign up. If not, directly input your username and password to log in to our system.



Input your basic information and click on the "SIGNUP" button, then you have successfully registered a new account!



After you successfully sign up, you will be redirected to the original login page. Input you username and password, and enjoy our website!

## 2.3 Upload a file

Click on the "Choose file" and choose a local file in your device. Then click on the "Upload" button on the right side.



If the file is uploaded successfully, you can see the file information below.
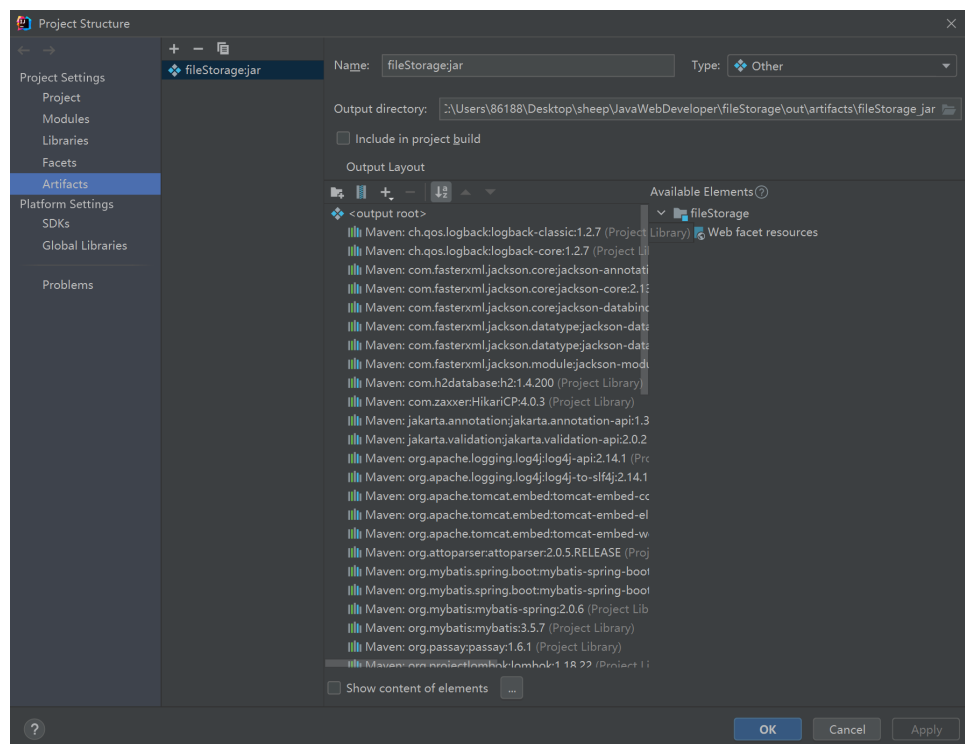
## 2.4 Manage your files

You can manage all your files in the file management panel. Click on the "View" button, you can download the file from the cloud. Click on the "delete" button, you can delete the file in the cloud.
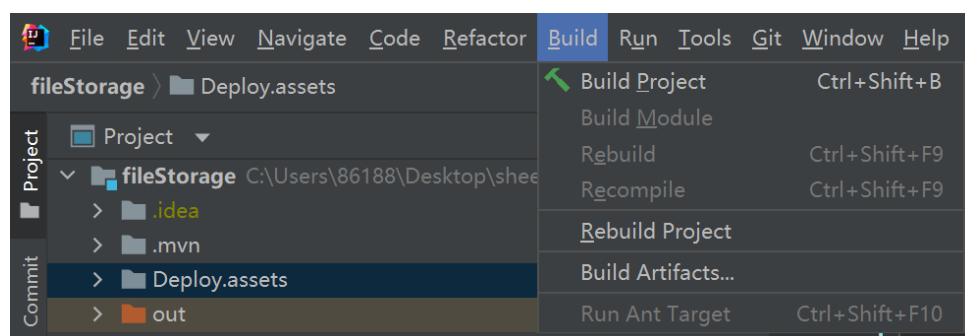
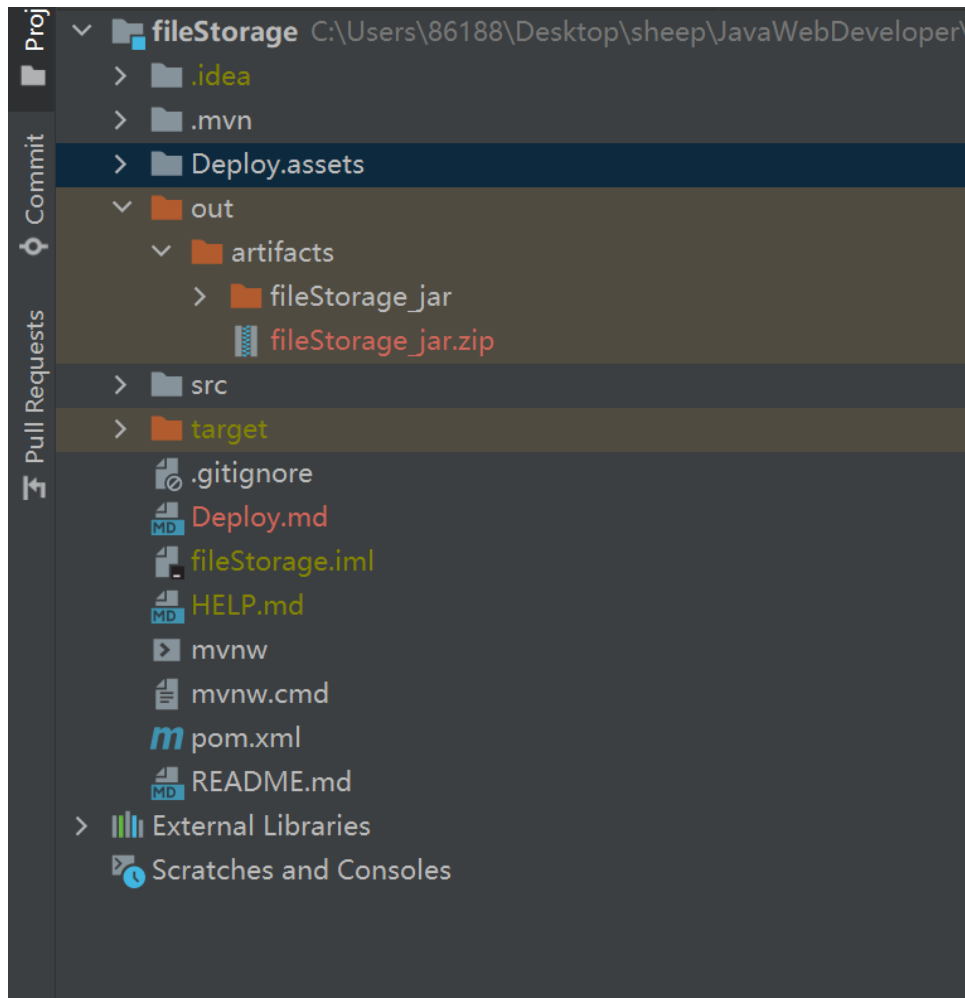# 3 Deployment

## 3.1 Package Spring Boot project into jar package

### 3.1.1 Edit Build Configuration
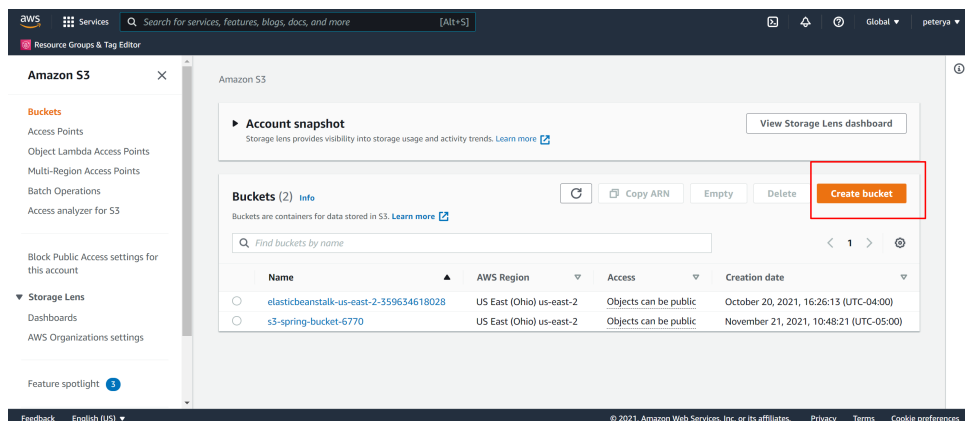


### 3.1.2 Build Artifact

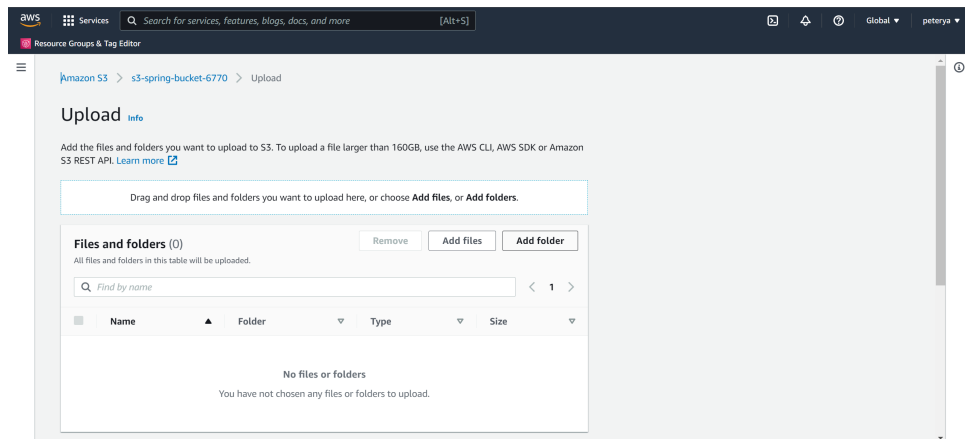### 3.1.3 View jar file in /out/Artifacts



## 3.2 Upload jar file to Amazon S3 bucket

### 3.2.1 Create a bucket
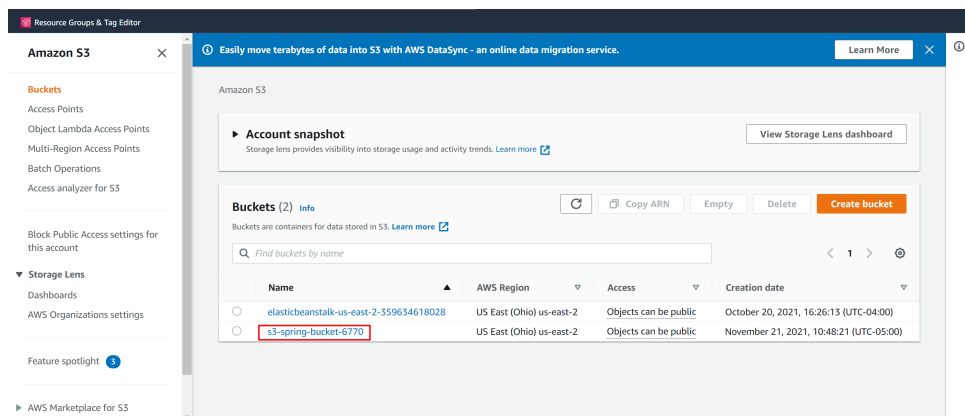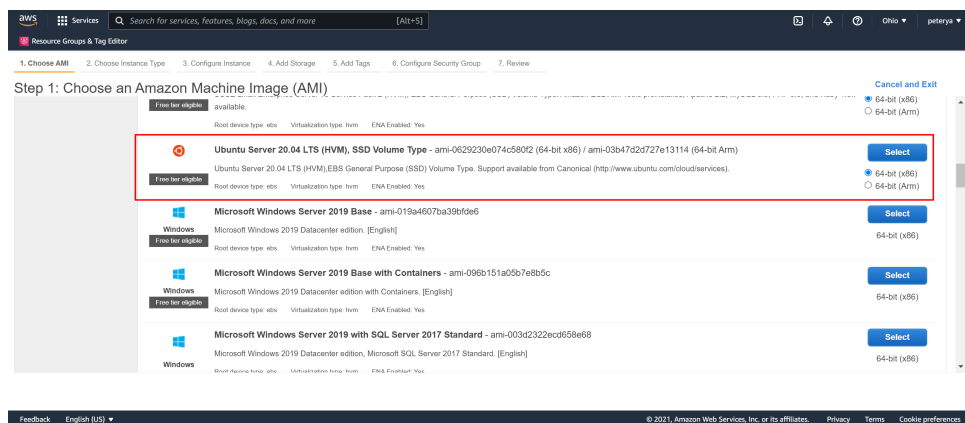
### 3.2.2    Upload project to S3 bucket



## 3.3    Configure an Amazon EC2 AMI instance

### 3.3.1    Create a VM instance





### 3.3.2    Login the VM via SSH

```
ssh -i <key file name> <server_ip_address>
```

### 3.3.3   Make some basic configuration

```
sudo apt install unzip
sudo apt install openjdk-11-jdk
```

## 3.4   Get object from S3 and Run application

### 3.4.1   Get object from S3

```
wget <objectURL>
```

### 3.4.2   Run application

```
nohup java -jar <jar file name>
```