

S3 Buckets Guide

This guide goes over how to test file upload and download. You are responsible for the actual implementation of the file upload and download functionalities.

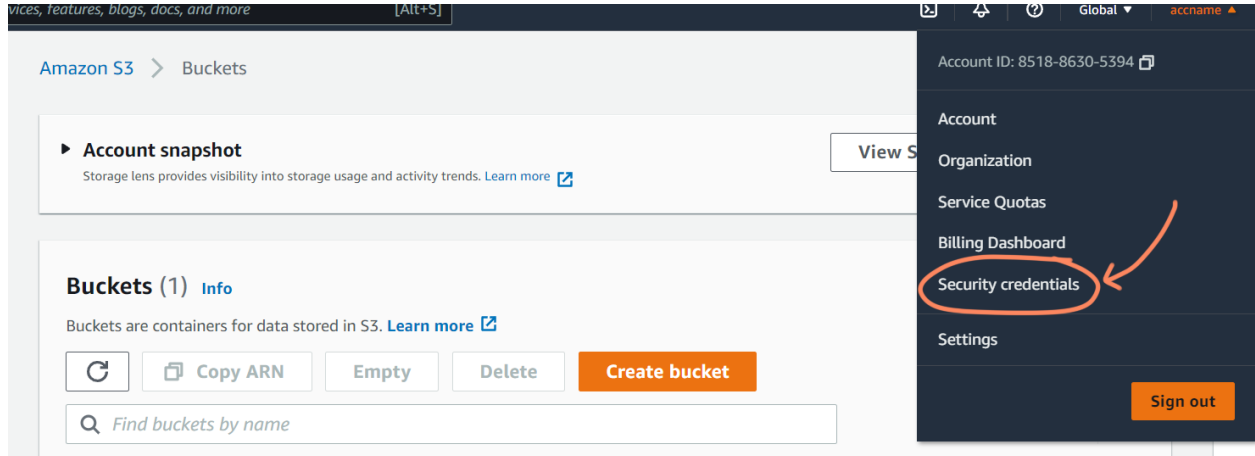
As a starting point, the following components are needed:

FileConfig
FileService
FileController

Add the dependency to the pom.xml file:

```
<dependency>  
  <groupId>org.springframework.cloud</groupId>  
  <artifactId>spring-cloud-starter-aws</artifactId>  
</dependency>
```

After creating a bucket, from on the top right corner select "Security credentials":



Expand the “Access keys” section and select “Create New Access Key”. These keys are needed for configuring S3 buckets:

Your Security Credentials

Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the [IAM Console](#).

To learn more about the types of AWS credentials and how they're used, see [AWS Security Credentials](#) in AWS General Reference.

▲ Password

▲ Multi-factor authentication (MFA)

▼ Access keys (access key ID and secret access key)

Use access keys to make programmatic calls to AWS from the AWS CLI, Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time.

For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation.

If you lose or forget your secret key, you cannot retrieve it. Instead, create a new access key and make the old key inactive. [Learn more](#)

Created	Access Key ID	Last Used	Last Used Region	Last Used Service	Status	Actions
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Create New Access Key

Root user access keys provide unrestricted access to your entire AWS account. If you need long-term access keys, we recommend creating a new IAM user with limited permissions and generating access keys for that user instead. [Learn more](#)

▲ CloudFront key pairs

▲ X.509 certificate

▲ Account identifiers

To upload a file through Postman, specify the file and filename under the Body section. It is also possible to dynamically extract the filename through code.

POST

http://localhost:8081/file

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> file	sample-file-1.txt.txt ×			
<input checked="" type="checkbox"/> filename	sample-file-1			
Key	Value	Description		

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 398 ms Size: 192 B Save Response

Pretty Raw Preview Visualize Text

1 File uploaded: sample-file-1

The newly uploaded file can be seen on S3 buckets:

Amazon S3 > Buckets > team-documents-dev

team-documents-dev [Info](#)

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete

Create folder Upload

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	sample-file-1	-	June 12, 2022, 12:51:25 (UTC-04:00)	25.0 B	Standard

File download can either be tested through Postman or simply through the browser:

GET [Send](#)

Params [Authorization](#) [Headers \(9\)](#) [Body](#) [Pre-request Script](#) [Tests](#) [Settings](#) [Cookies](#)

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	file	<input type="text" value="sample-file-1.txt.txt"/>			
<input checked="" type="checkbox"/>	filename	<input type="text" value="sample-file-1"/>			
	Key	Value	Description		

Body [Cookies](#) [Headers \(6\)](#) [Test Results](#) Status: 200 OK Time: 165 ms Size: 248 B [Save Response](#)

[Pretty](#) [Raw](#) [Preview](#) [Visualize](#) [Text](#)

```
1 This is the sample file 1
```