

Tidal Basin: Set Up S3 Bucket for Data Upload

Introduction

In this tutorial, we will discuss how to create a new folder for a data upload process in the Tidal Basin AWS S3 bucket and then creating new folders that will receive data from a python data upload process. This setup is essential for managing your data efficiently, ensuring that your most current data is easily accessible while keeping a historical record of previous data versions.

Below, you will find steps that will guide you creating a project folder, and then creating two subfolders called “Active” and “Archive”, which will store the the active data and the last 50 versions of the data.

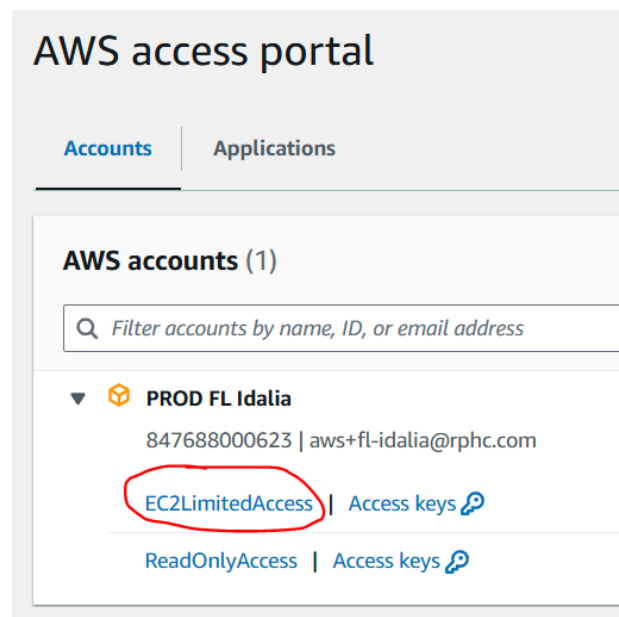
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1: Navigate to the Reporting External AWS S3 Bucket

Sign in to AWS and navigate to the S3 Bucket :

- Go to [AWS Sign In](#) link, sign in with Tidal Basin Credentials
- Click on the **EC2LimitedAccess** option



2: Navigate to the S3 Bucket

Go to the “**reporting-external**” AWS S3 Bucket:

- After you are signed into AWS, visit this link [here](#)

reporting-external Info

Objects | Metadata - Preview | Properties | Permissions | Metrics | Management | Access Points

Objects (1) Info [Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#)

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 ot them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size
<input type="checkbox"/>	FDEM-Hotel-Summary/	Folder	-	

3: Create a New Project Folder

Create Project Folder:

- On the **reporting-external** page, select the button **Create Folder**
- Enter a unique folder name pertaining to the project you are pulling data for.
- Select **Create Folder**

Create folder Info

Use folders to group objects in buckets. When you create a folder, S3 creates an object using the name that you specify followed by a slash (/). This object then appears as folder on the console. [Learn more](#)

Your bucket policy might block folder creation
If your bucket policy prevents uploading objects without specific tags, metadata, or access control list (ACL) grantees, you will not be able to create a folder using this configuration. Instead, you can use the [upload configuration](#) to upload an empty folder and specify the appropriate settings.

Folder

Folder name
Example_for_Tutorial /
Folder names can't contain "/" - see rules for naming

Server-side encryption Info
Server-side encryption protects data at rest.

The following encryption settings apply only to the folder object and not to sub-folder objects.

Server-side encryption

☒ **Don't specify an encryption key**
The bucket settings for default encryption are used to encrypt the folder object when storing it in Amazon S3.

☐ **Specify an encryption key**
The specified encryption key is used to encrypt the folder object before storing it in Amazon S3.

If your bucket policy requires objects to be encrypted with a specific encryption key, you must specify the same encryption key when you create a folder. Otherwise, folder creation will fail.

[Cancel](#) [Create folder](#)

4: Create the Active and Archive Folder

Create Folders for Data Upload:

- On the folder page, again find the Create Folder button and select it.
- For the first folder, enter **Active** for the folder name, then select **Create Folder**

- Now repeat the process, but put in **Archive** instead

Example_for_Tutorial/

[Objects](#) | [Properties](#)

Objects (0) [Info](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#)

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 set permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
No objects					
You don't have any objects in this folder.					

[Upload](#)

Folder

Folder name

Active

Folder names can't contain "/". [See rules for naming](#)

Folder

Folder name

Archive

Folder names can't contain "/". [See rules for naming](#)