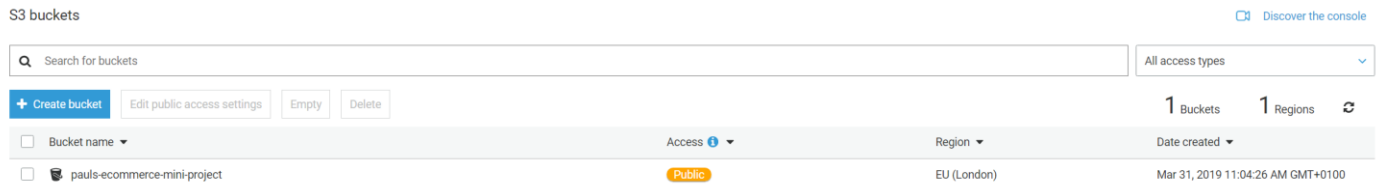


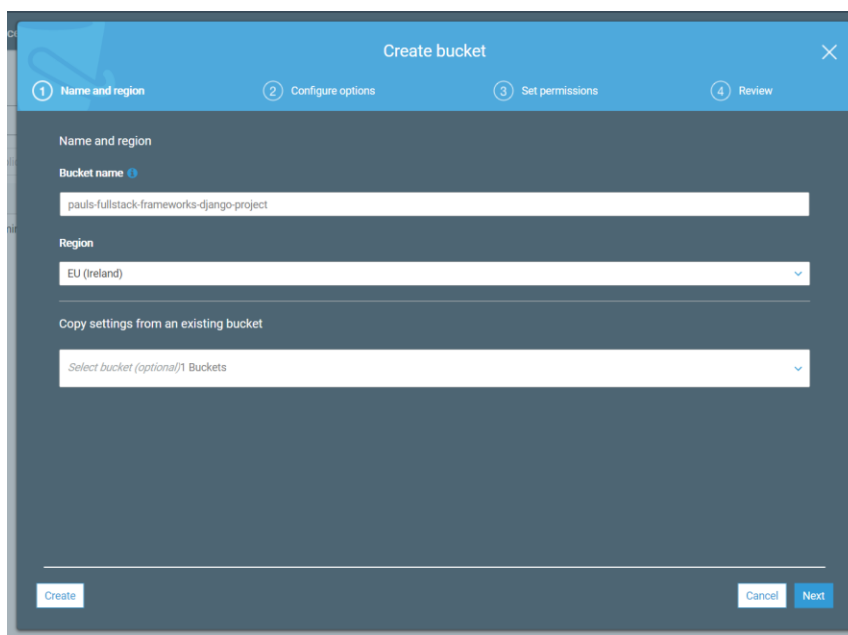
Create new S3 Bucket

I am creating a new S3 Bucket in AWS for Static website hosting for my Full stack Frameworks for Django project no5.

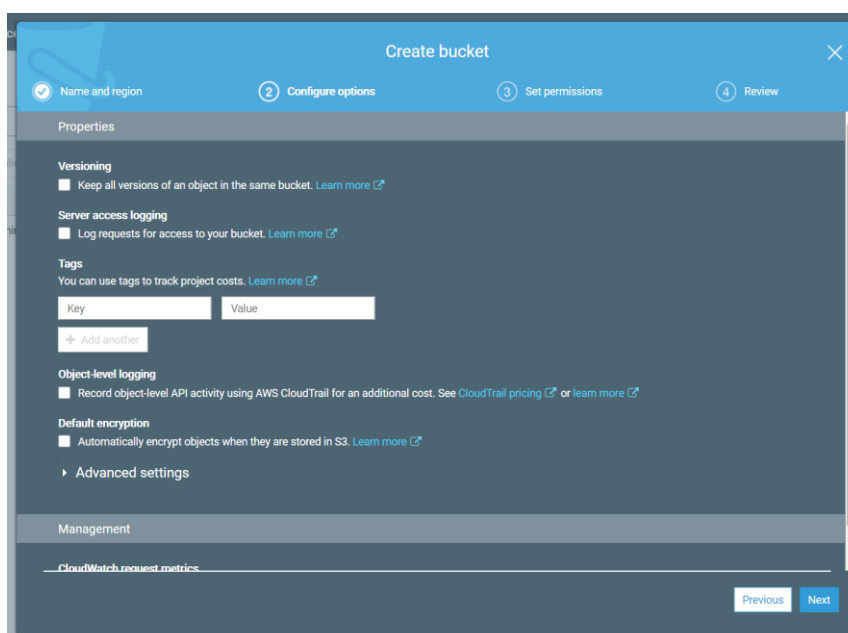
- Log into your AWS account <https://aws.amazon.com/console/>
- Go to **S3 buckets** which allows you to create buckets which are small parts of a cloud server that you can put your files into.



- Click on **Create bucket** button



- Enter name of bucket in **Bucket name** field and then click on **next** button



- Just click on the **next** button as nothing to fill in on this page.

- Because we actually want this to be accessed by the public, we need to untick all of these four checkboxes and then click [next button](#).

- Then click on [Create bucket](#) button

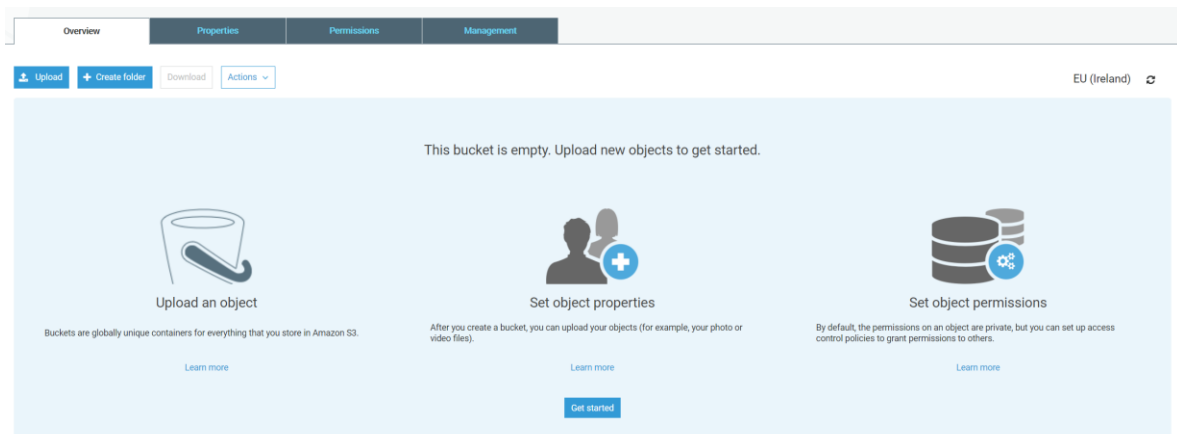
S3 buckets [Discover the console](#)

All access types ▼

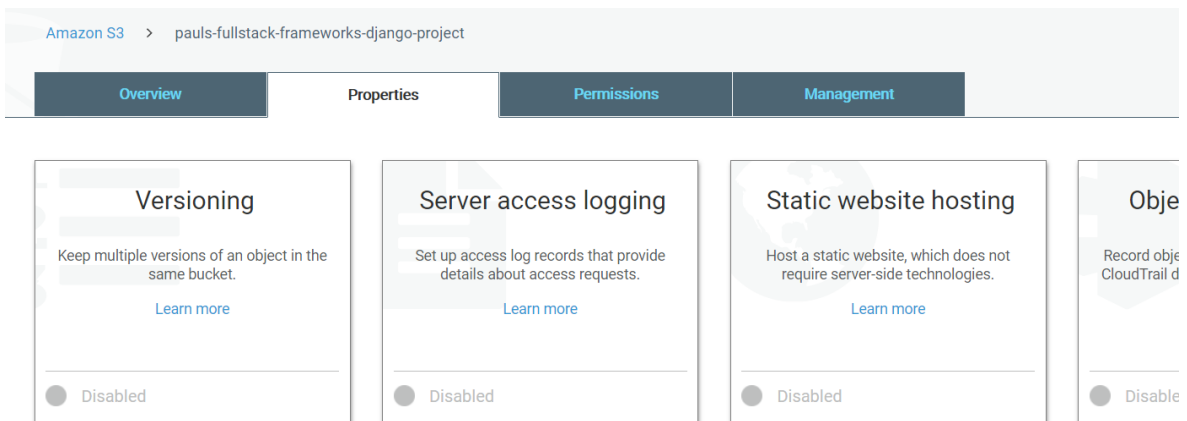
[+ Create bucket](#) [Edit public access settings](#) [Empty](#) [Delete](#)
2 Buckets 2 Regions ↻

Bucket name ▼	Access ▼	Region ▼	Date created ▼
<input type="checkbox"/> pauls-ecommerce-mini-project	Public	EU (London)	Mar 31, 2019 11:04:26 AM GMT+0100
<input type="checkbox"/> pauls-fullstack-frameworks-django-project	Objects can be public	EU (Ireland)	May 7, 2019 12:04:29 PM GMT+0100

- Click on the new [bucket name](#).



- Click on **Properties**



Advanced settings

- Click on **Static website hosting**

Static website hosting

Endpoint : <http://pauls-fullstack-frameworks-django-project.s3-website-eu-west-1.amazonaws.com>

☒ Use this bucket to host a website [Learn more](#)

Index document [i](#)

Error document [i](#)

Redirection rules (optional) [i](#)

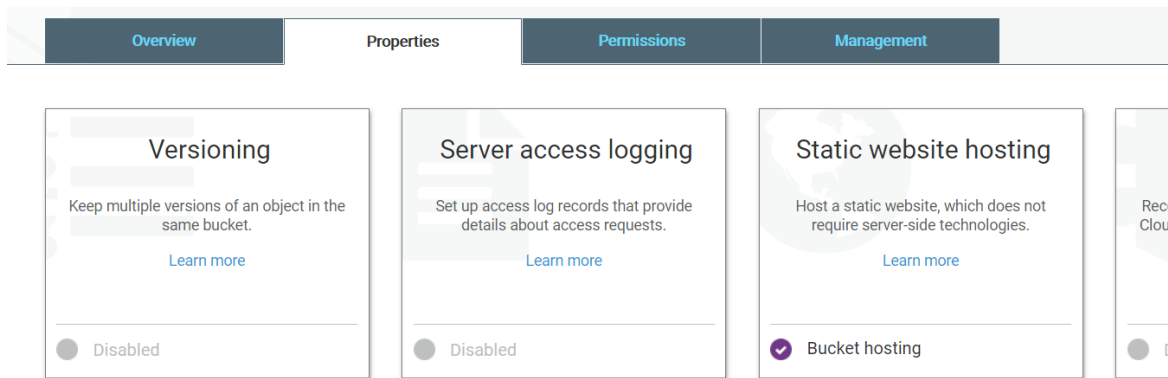
☐ Redirect requests [i](#) [Learn more](#)

☐ Disable website hosting

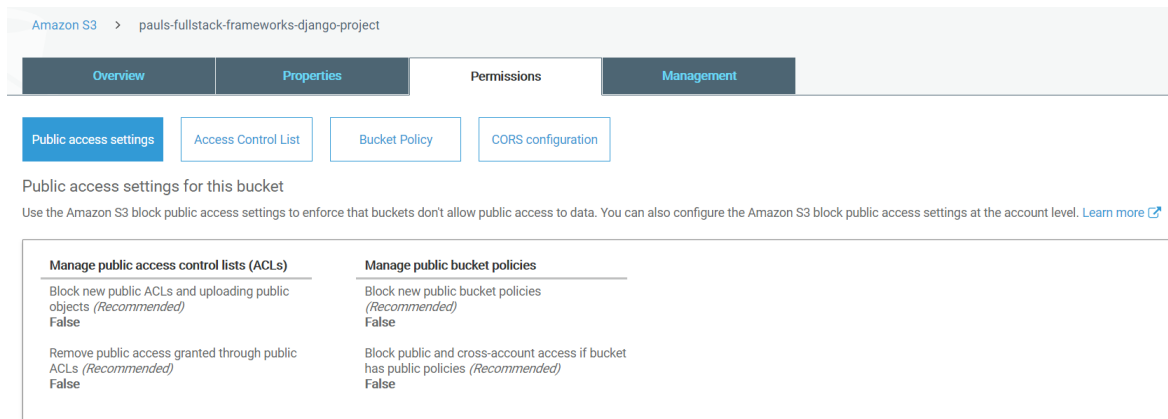
Cancel

Save

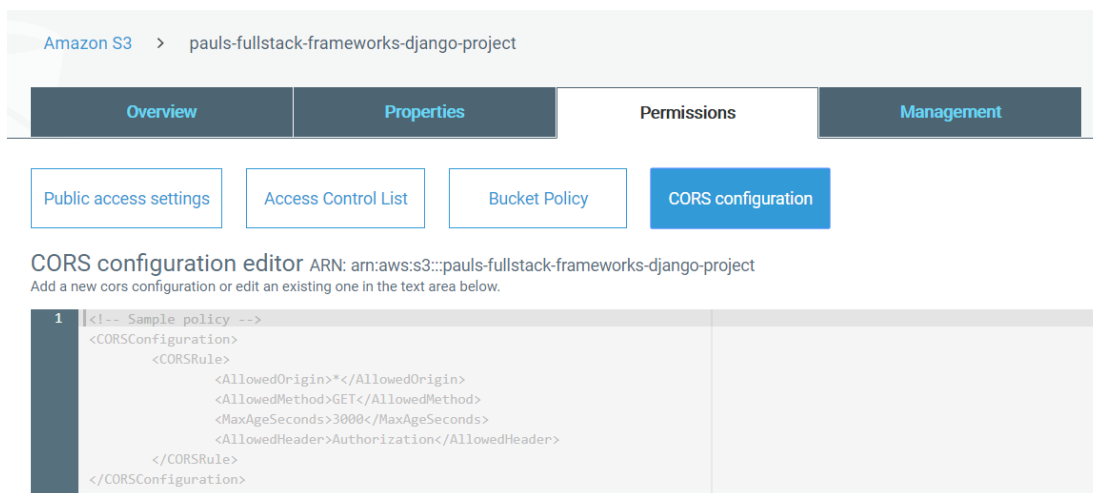
- Click on **Use this bucket to host a website** , Enter **index.html** in index document box and **error.html** in Error document then click on **Save** button.



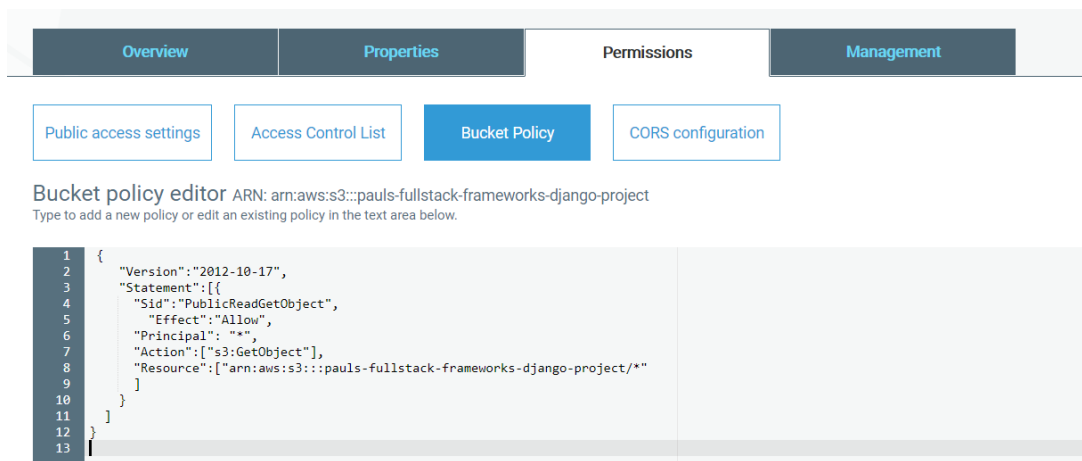
- Click on **Permissions** tab



- Click on **CORS configuration** button



- Cut and paste the Default example below the video and then click on **Save** button



- Click on [Bucket Policy](#)
- Cut and paste the default example below the video
- Cut and paste the Buck policy editor into the Resource line no7 and keep the /* at the end of the line.
- Click on the Save button



This bucket has public access

You have provided public access to this bucket. We highly recommend that you never grant any kind of public access to your S3 bucket.

- Then you get a warning to say bucket has public access, but that's what we want.
- Click on [Services](#) on nav bar
- Type [IAM](#) in search box and press [enter](#)
- Click on [Groups](#)
- Click on [Create New Group](#) button
- Enter group name ``pauls-fullstack-frameworks-django-project-group`` best to enter something that matches your bucket name.
- Click on [Next Step](#) button
- Click on [Next Step](#) button in attached policy page

Review

Review the following information, then click **Create Group** to proceed.

Group Name pauls-fullstack-frameworks-django-project-group

[Edit Group Name](#)

Policies

[Edit Policies](#)

- Click on [Create Group](#) button

Group Name	Users	Inline Policy	Creation Time
pauls-ecommerce-mini-project-group	1		2019-03-31 11:13 UTC+0100
pauls-fullstack-frameworks-django-project-group	0		2019-05-07 16:58 UTC+0100

- Click on [Policies](#)

Policy name	Type	Used as	Description
AdministratorAccess	Job function	None	Provides full access to AWS serv
AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to /
AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBu
AlexaForBusinessGatewayExecution	AWS managed	None	Provide gateway execution acce
AlexaForBusinessNetworkProfileServicePolicy	AWS managed	None	This policy enables Alexa for Bu:
AlexaForBusinessReadOnlyAccess	AWS managed	None	Provide read only access to Alex
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/ec
AmazonAPIGatewayFullAccess	AWS managed	None	Provides full access to invoke API

- Click on [Create policy](#) button

Create policy

1 2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor

JSON

Import managed policy

Expand all | Collapse all

Select a service

Clone Remove

Service

Choose a service

Actions

Choose a service before defining actions

Resources

Choose actions before applying resources

Request conditions

Choose actions before specifying conditions

Add additional permissions

- Click on **JSON** tab

Create policy

1 2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

This policy validation failed and might have errors converting to JSON : The policy must have at least one statement. For more information about the IAM policy grammar, see [AWS IAM Policies](#)

Visual editor

JSON

Import managed policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": []
4 }
```

- Click on **Import managed policy**
-

Import managed policies

Choose policies to import

The permissions for the chosen policies will be added to your policy. You can review your policy's final permissions before you save it.

Filter policies

Showing 4 results

	Policy name	Used as	Description
<input type="radio"/>	AmazonDMSRedshiftS3Role	None	Provides access to manage S3 settings ...
<input type="radio"/>	AmazonS3FullAccess	None	Provides full access to all buckets via th...
<input type="radio"/>	AmazonS3ReadOnlyAccess	None	Provides read only access to all buckets...
<input type="radio"/>	QuickSightAccessForS3StorageManagementA...	None	Policy used by QuickSight team to acce...

- Enter **S3** in filter policies box
- Select **AmazonS3FullAccess** and click on **import** button

Create policy

1 2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor

JSON

Import managed policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": "s3:*",
7       "Resource": ["arn:aws:s3::pauls-fullstack-frameworks-django-project", "arn:aws:s3::pauls-fullstack-frameworks-django-project/*"]
8     }
9   ]
10 }
```

- Update the resources line no 7 to include arn as above enclosed in quotes
- Click on **Review policy** button

Create policy

1

2

Review policy

Name*
Use alphanumeric and '+-=,@_.' characters. Maximum 128 characters.

Description
Maximum 1000 characters. Use alphanumeric and '+-=,@_.' characters.

Summary

This policy defines some actions, resources, or conditions that do not provide permissions. To grant access, policies must have an action that has an applicable resource or condition. For details, choose [Show remaining](#). [Learn more](#)

Filter

Service	Access level	Resource	Request condition
Allow (1 of 176 services) Show remaining 175			
S3	Full: Write, Tagging Limited: List, Read, Permissions management	Multiple	None

- Enter policy name in name box `pauls-fullstack-frameworks-django-project-policy` and click on [Create policy](#) button



`pauls-fullstack-frameworks-django-project-policy` has been created.

- Now that we have our policy, we need to add it to the group that we created earlier so click on [group](#) then click on [group name](#)
- Click on the [Permissions](#) tab, then click on [Attach Policy](#) button

Attach Policy

Select one or more policies to attach. Each group can have up to 10 policies attached.

Filter: Policy Type Showing 2 results

	Policy Name	Attached Entities	Creation Time	Edited Time
<input type="checkbox"/>	pauls-ecommerce-mini-project-policy	1	2019-03-31 11:19 UTC+0100	2019-04-01 07:41 UTC+0100
<input checked="" type="checkbox"/>	pauls-fullstack-frameworks-django-project-policy	0	2019-05-07 19:44 UTC+0100	2019-05-07 19:44 UTC+0100

- Search for policy in Policy Type box and then click [checkbox](#) then click on [Attach Policy](#) button
- So now we need to create a user so click on [Users](#)
- Click on [Add user](#) button

Add user

1

2

3

4

5

Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name*
[+ Add another user](#)

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)


- Access type* ☒ **Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.
- ☐ **AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.


- Add User name into box `pauls-fullstack-frameworks-django-project-user` click on [Programmatic access](#) [checkbox](#) and click on [Next: Permissions](#) button


Add user

1 2 3 4 5

Set permissions

 Add user to group

 Copy permissions from existing user

 Attach existing policies directly

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Add user to group

Create group Refresh

Search		Showing 2 results
Group	Attached policies	
<input type="checkbox"/> pauls-ecommerce-mini-project-group	pauls-ecommerce-mini-project-policy	
<input checked="" type="checkbox"/> pauls-fullstack-frameworks-django-project-group	pauls-fullstack-frameworks-django-project-policy	

- Click on the [checkbox](#) of the Group we just created and click on [Next: Tags](#) button
- We don't need any keys so click on [Next: Review](#) button

Add user

1 2 3 4 5

Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

User details

User name	pauls-fullstack-frameworks-django-project-user
AWS access type	Programmatic access - with an access key
Permissions boundary	Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name
Group	pauls-fullstack-frameworks-django-project-group

Tags

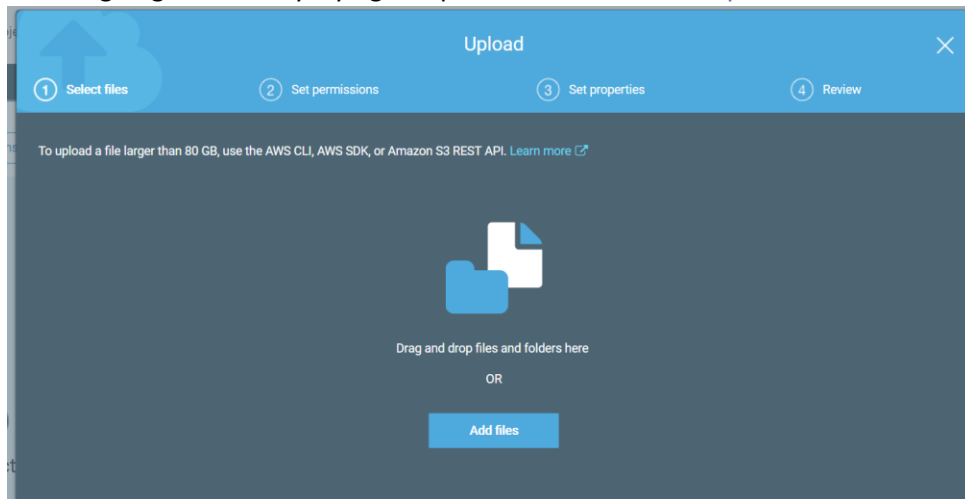
No tags were added.

- Click on [Create user](#) button
- Now we download the .csv file by clicking on Download .csv button as this will download the keys we need for our software.

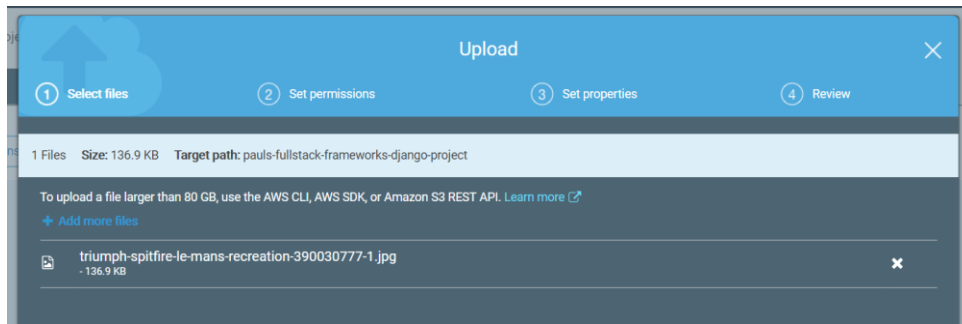
We need to keep this csv file safe because if we lose it, we would have to delete the user and create a new user with new access keys

Now go back to S3

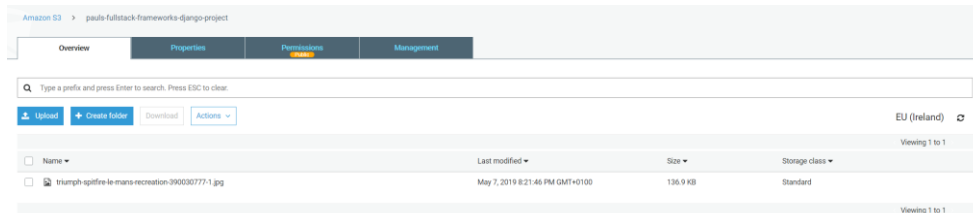
- We are going to test it by trying to Upload a file so click on [Upload](#) button



- Click on [Add files](#) button and select a file



- Then click on [Upload](#) button



- If we click on it, we can see we're provided with a URL and that URL will allow access to that image from anywhere on the web

