Amazon S3 object data store
Store and Retrieve a File

Topic : Simple Storage Service (S3)

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Training Content

Tutorial

1 Introduction

This step-by-step tutorial will help you store your files in the cloud using Amazon Simple Storage Solution (S3). Amazon S3 is a service that enables you to store your data (referred to as objects) in at massive scale. In this tutorial, you will create an Amazon S3 bucket, upload a file, retrieve the file and delete the file.

1.1 Launch an S3 Bucket

Navigate to the AWS management console and then type S3 in the search bar and select S3 to open the console.
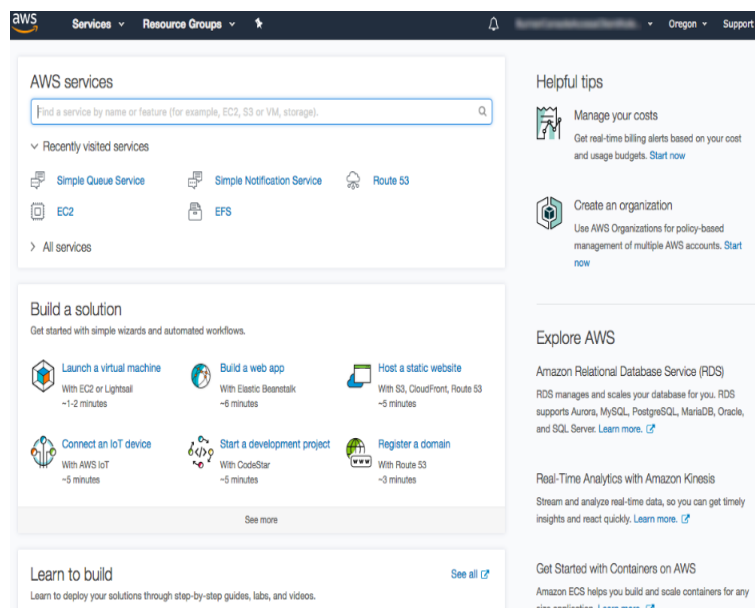

Figure 1: AWS Management Console

1.2   Create an S3 Bucket

In the S3 dashboard, click Create Bucket.

If this is the first time you have created a bucket, you will see a screen that looks like the image pictured here. If you have already created S3 buckets, your S3 dashboard will list all the buckets you have created.
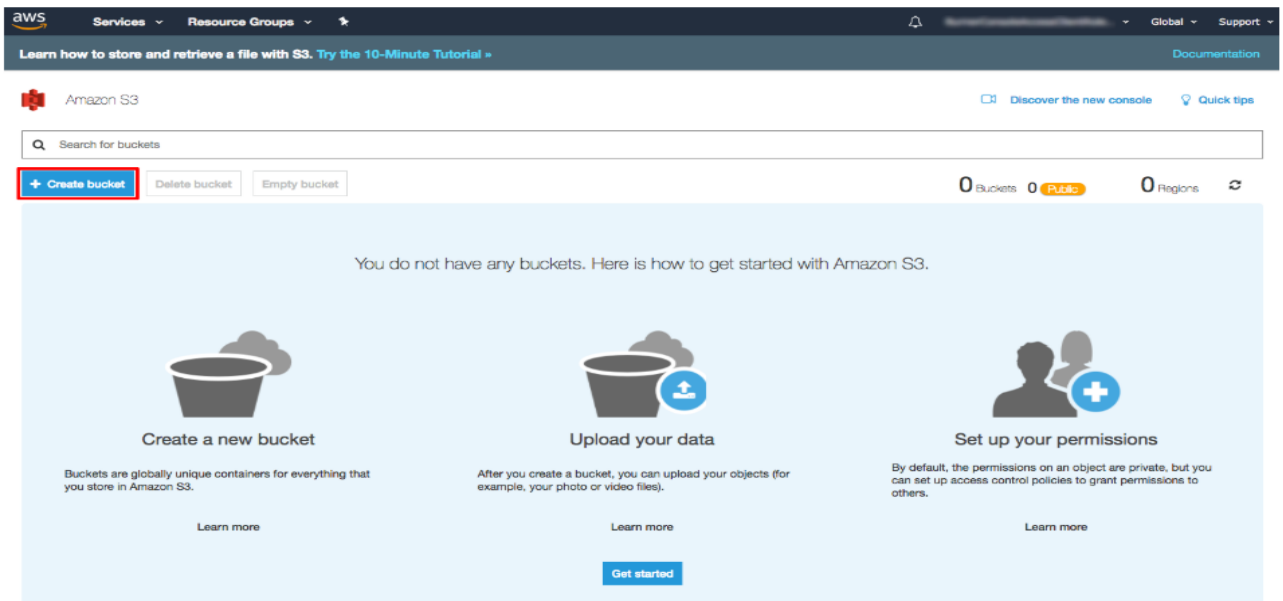

Figure 2: Create S3 Bucket

1.3   S3 Bucket Name and Region

Enter a bucket name. Bucket names must be unique across all existing bucket names in Amazon S3. There are a number of other restrictions on S3 bucket names as well. Then select a region to create your bucket in.
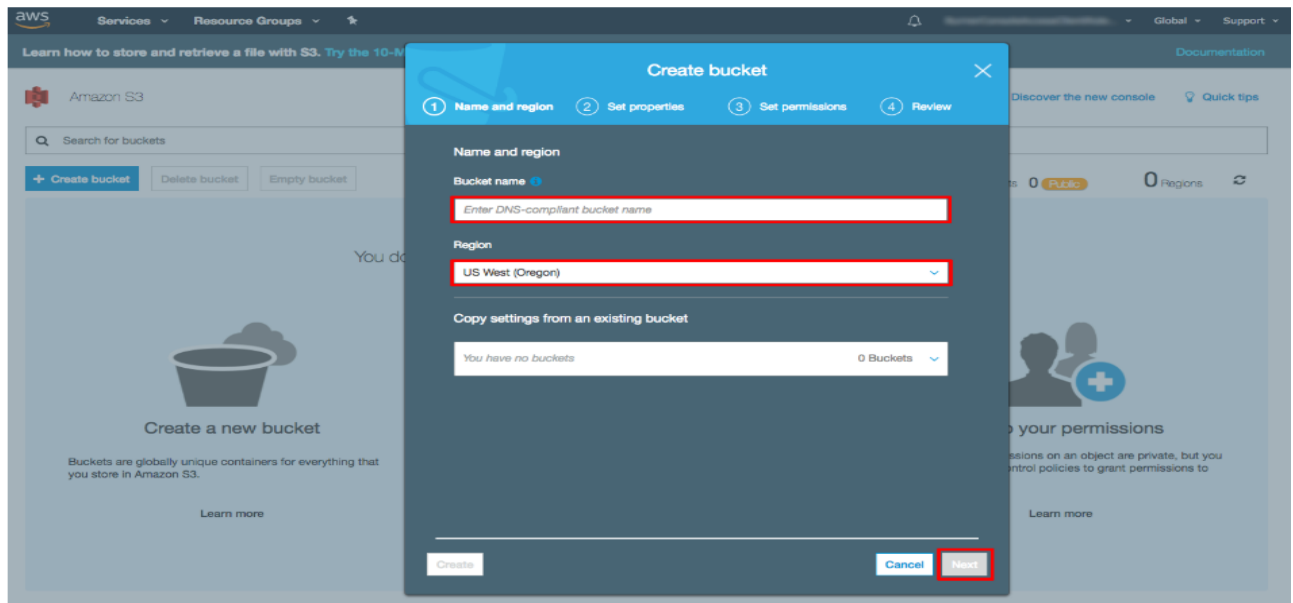
Select Next.

Figure 3: S3 Global Namespace (name must be unique)

You have many useful options for your S3 bucket including Versioning, Server Access Logging, Tags, Object-level Logging and Default Encryption. We won't enable them for this tutorial. Select Next.
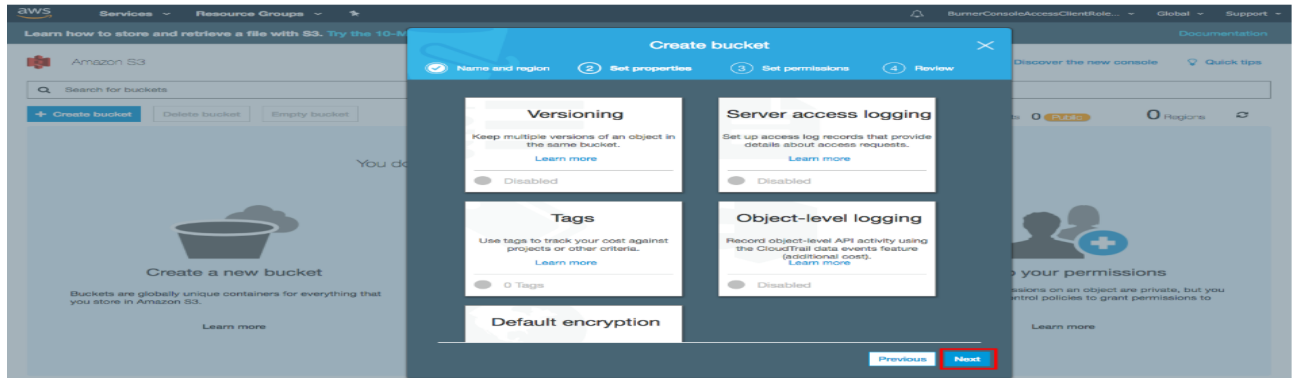

Figure 4: Configure S3 Bucket

You have the ability to set permission settings for your S3 bucket. Leave the default values and select Next.
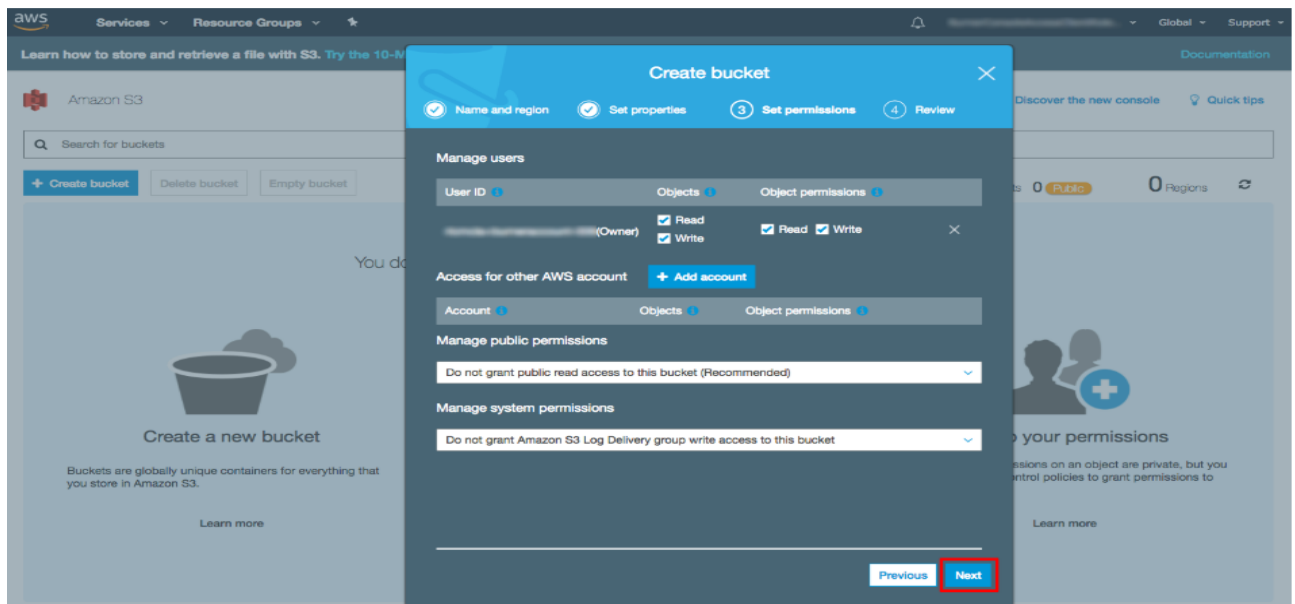

Figure 5: Ability to set permissions for S3 Bucket

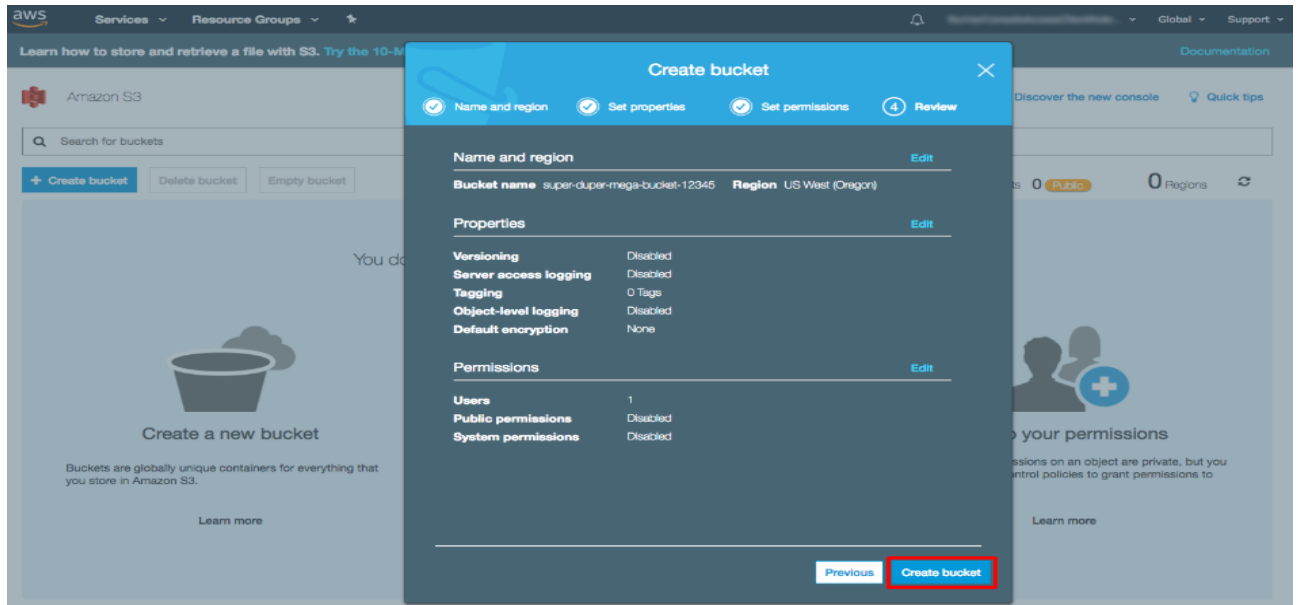Review your configuration settings and select Create bucket.

Figure 6: Review bucket configuration settings

2 Upload a File

2.1 upload a file to your new Amazon S3 bucket

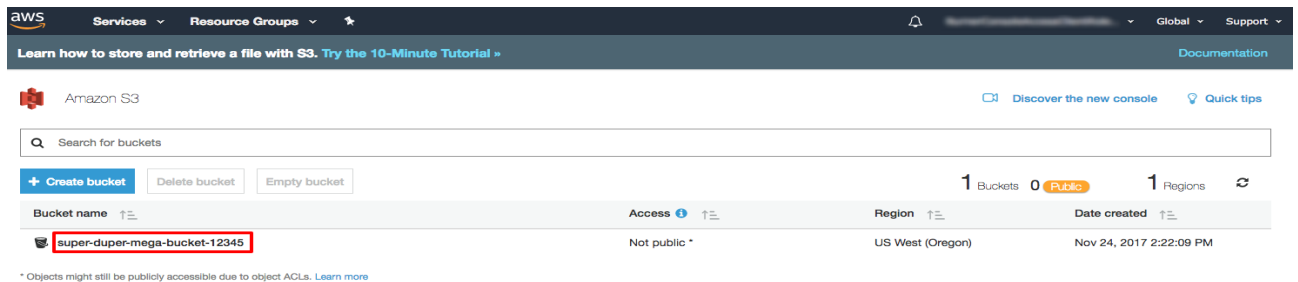You will see your new bucket in the S3 console. Click on your bucket's name to navigate to the bucket.

Figure 7: Navigate to Amazon S3 bucket

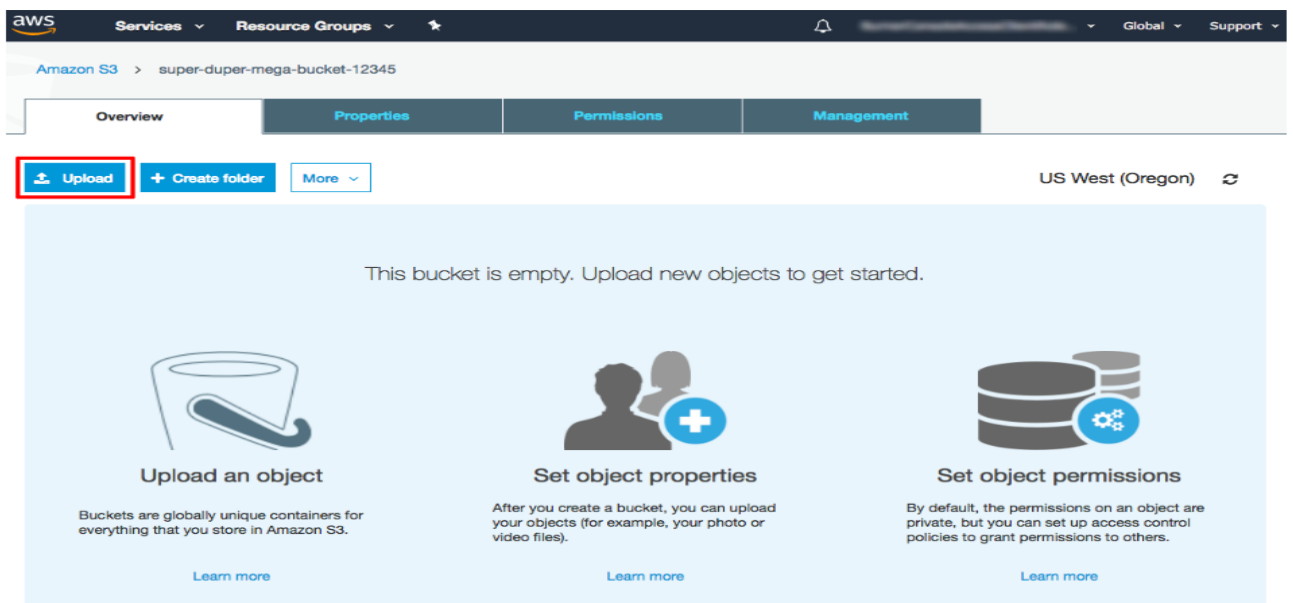You are in your bucket's home page. Select Upload.

Figure 8: Upload a file

To select a file to upload, either click Add files and select a sample file that you would like to store OR Drag and Drop a file on the upload box. Select Next after you have selected a file to upload.
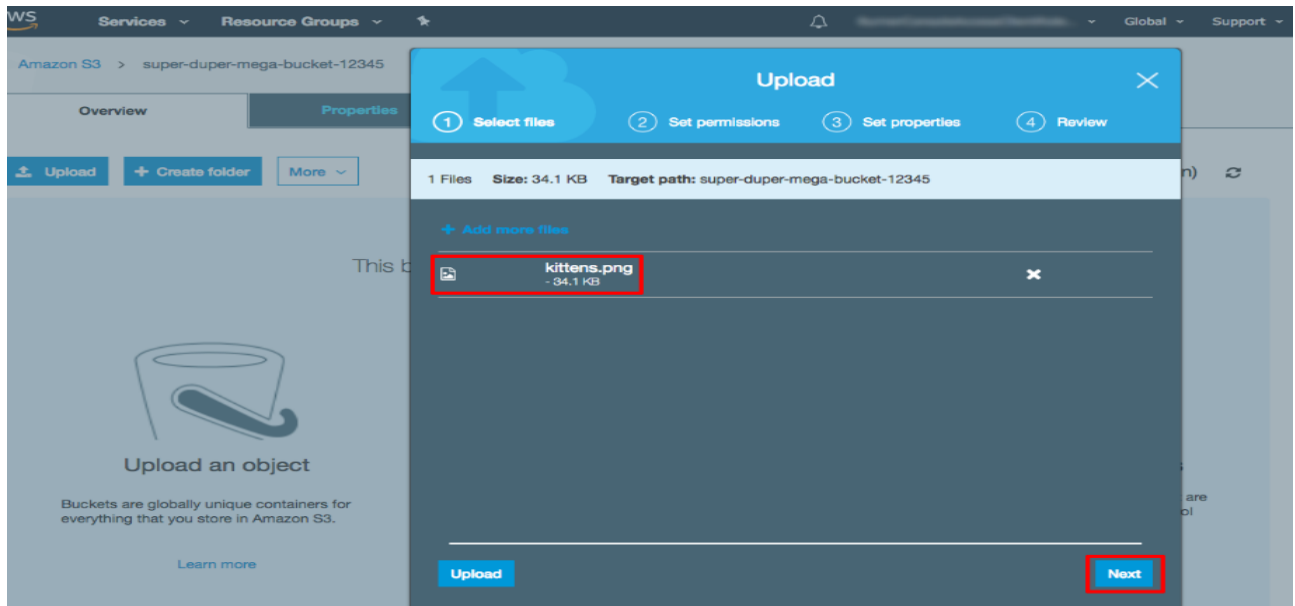

Figure 9: Upload image

You have the ability to set permission settings on your object. For this tutorial, leave the default values and select Next.
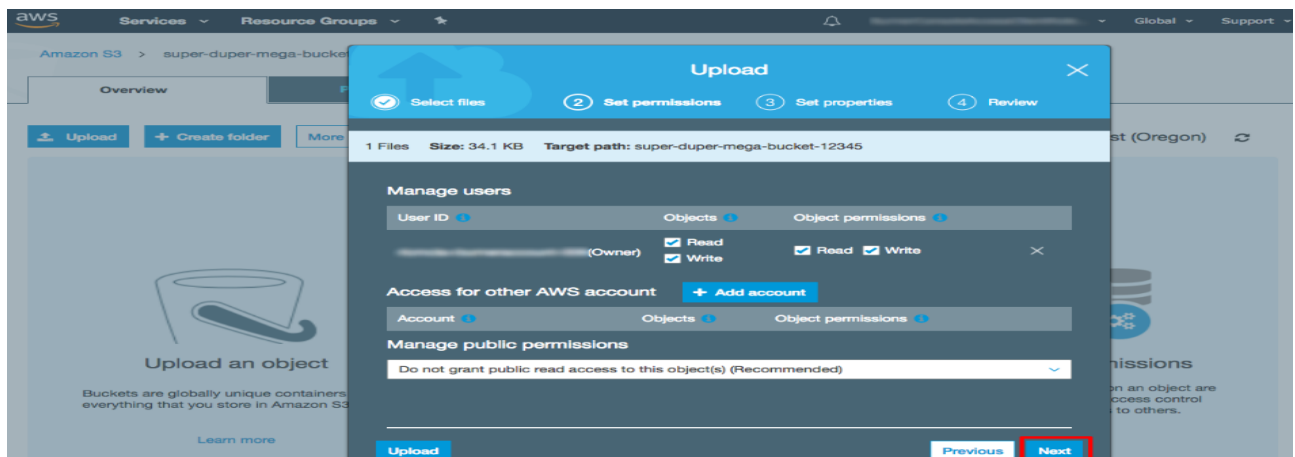

Figure 10: Can set permissions for the object

You have the ability to set property settings like storage class, encryption, and metadata with your object. Leave the default values and select Next.
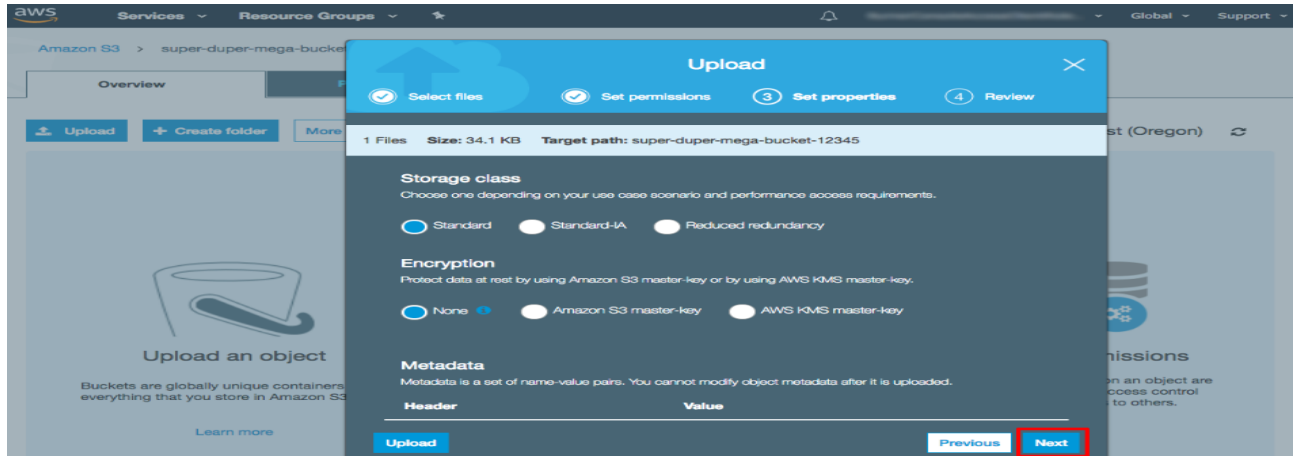

Figure 11: Leave the default settings

Review your configurations and select Upload. You will see your object in your bucket's home screen.
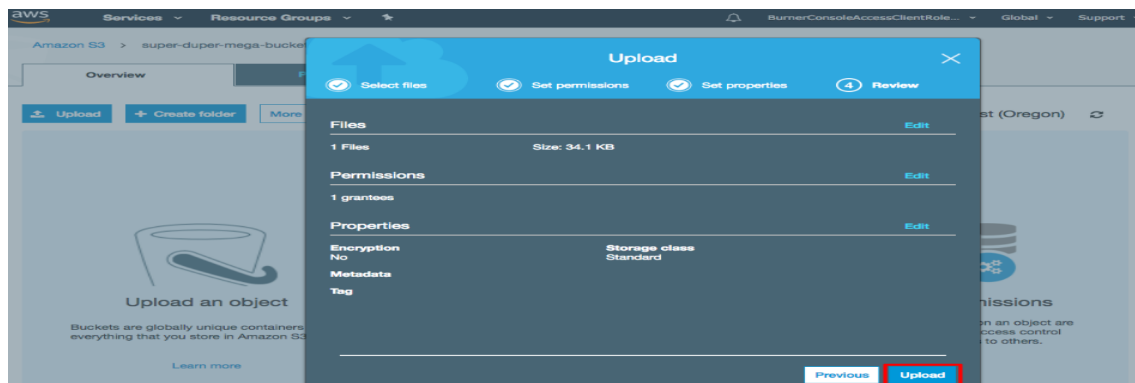

Figure 12: S3 object home screen

3 Retrieve the Object

3.1 Download the file from your Amazon S3 bucket

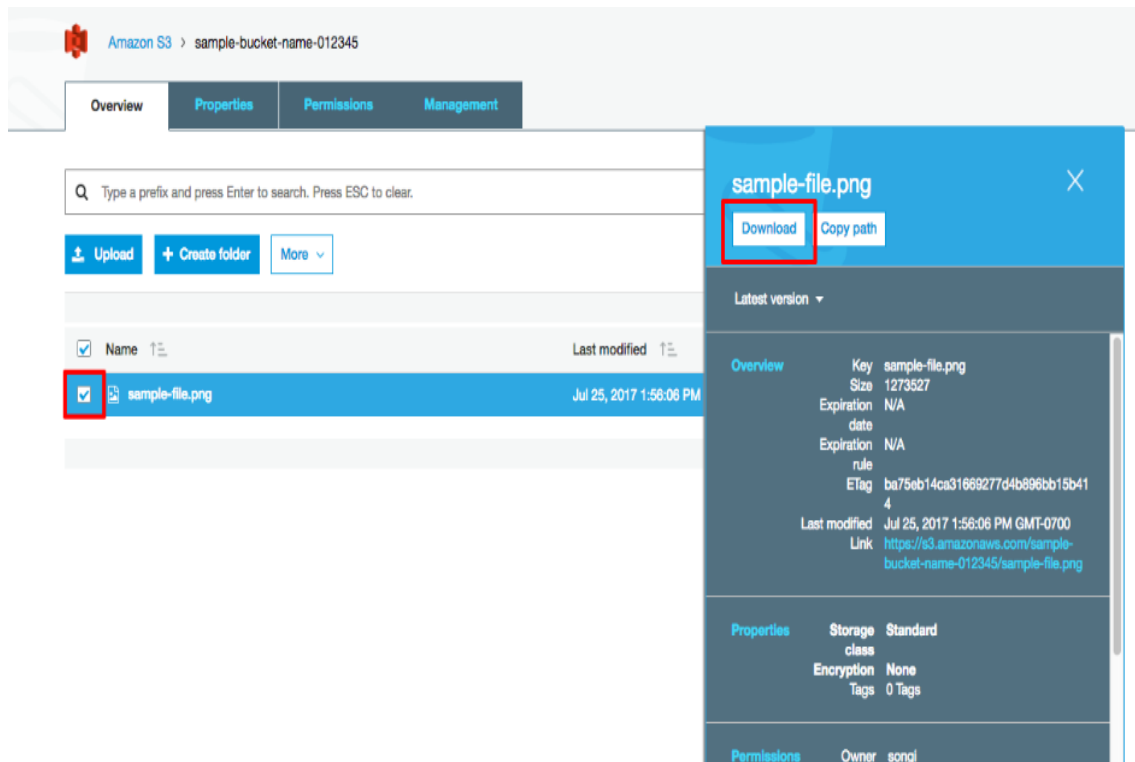Select the checkbox next to the file you would like to download, then select Download.

Figure 13: Select object to download

Thank You ...