

## Simple Storage Service (s3)

### Introduction

- It is first and oldest service launched in March 14, 2006
- Objects Size range in s3 is: min - 1 Byte, max - 5 TB
- No.of Buckets : 100, No.of Objects : unlimited
- Amazon S3 provides storage through web services interfaces (REST, SOAP, and BitTorrent).

### Terminology

Term	Description
Bucket	A logical unit of storage in s3

### Objectives

- Creating Bucket
- Loading/uploading objects into bucket
- Download the object
- Adding Permission to Buckets
- Removing objects && Bucket
- Upload static site to s3 and access it as public

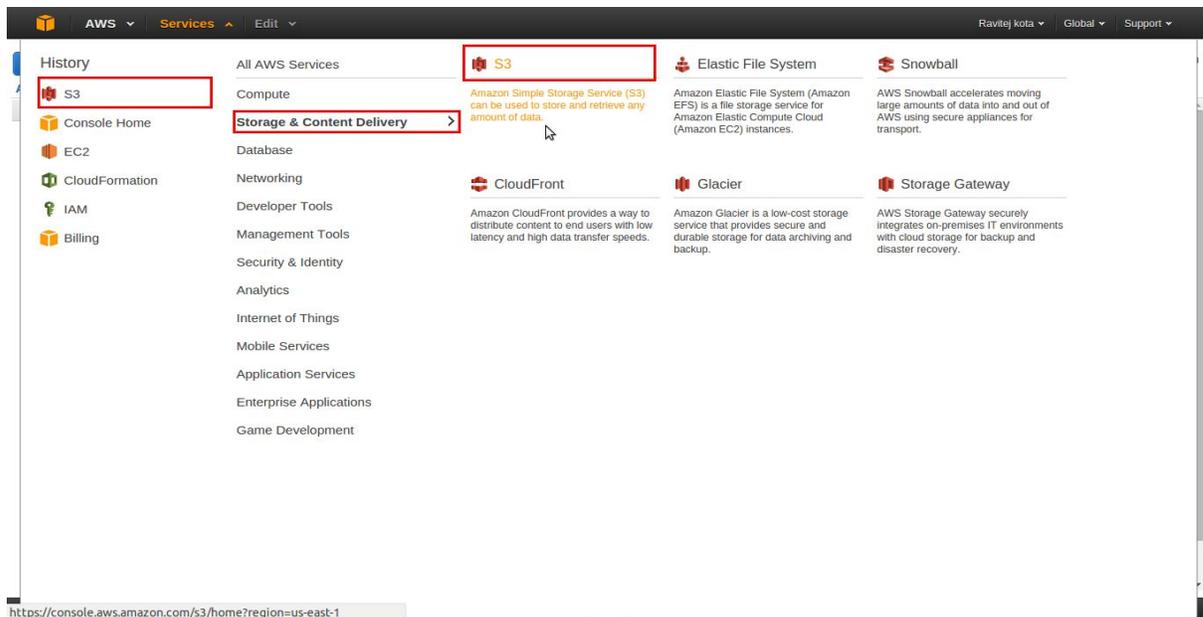
### Pre-Requisites

- AWS Account (Signup User) / IAM User Account (Sign Up Account / IAM User Creation is not in scope of this document)
- Practical knowledge on AWS CLI / AWS Console

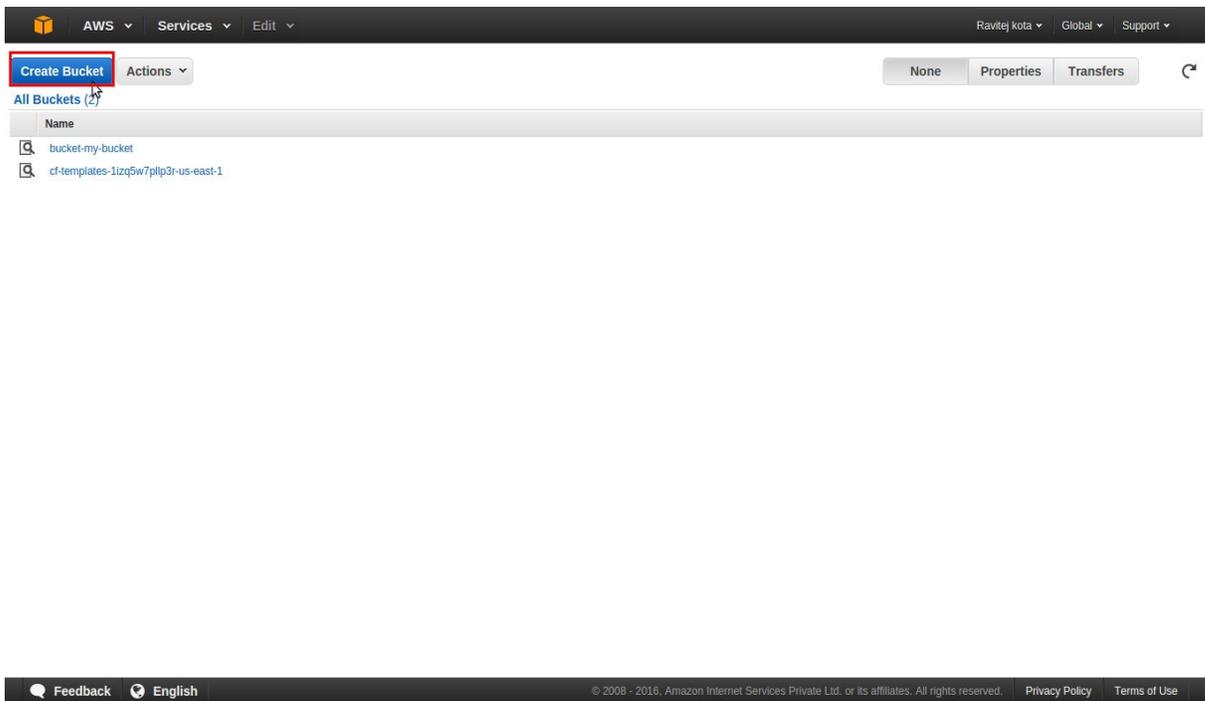
### Instructions

#### Creating Bucket

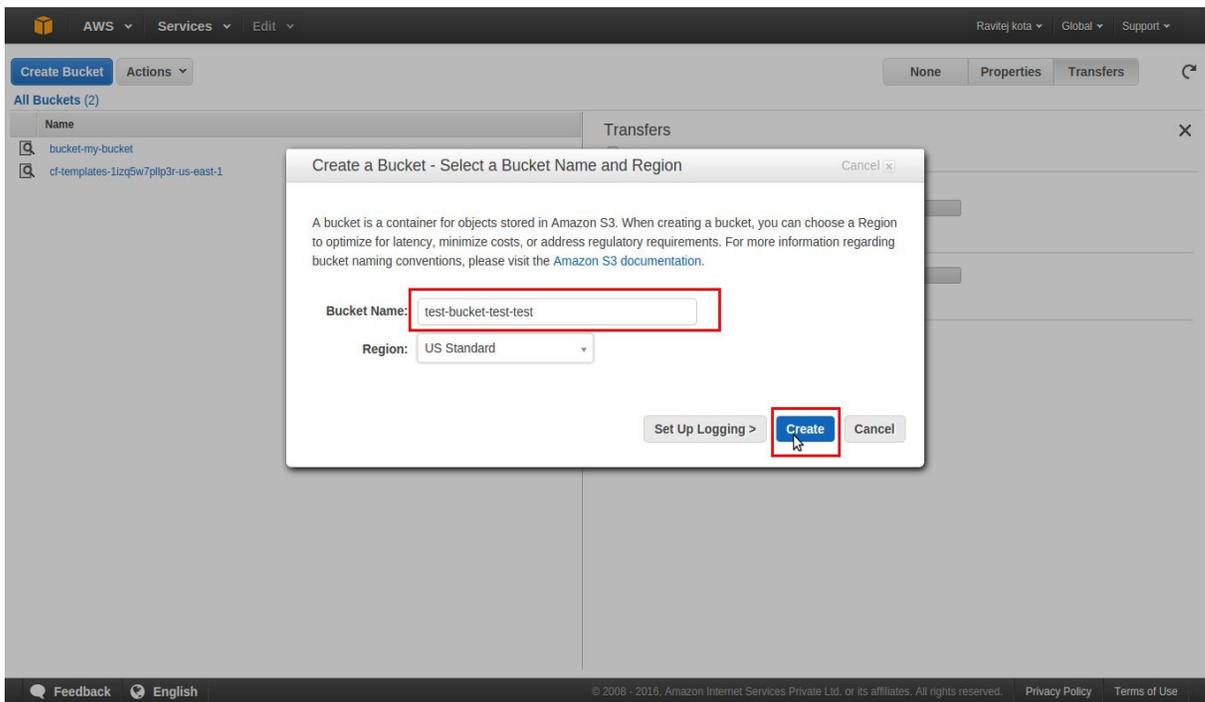
1. Go to Services -> Select Storage && Content Delivery -> Click on s3



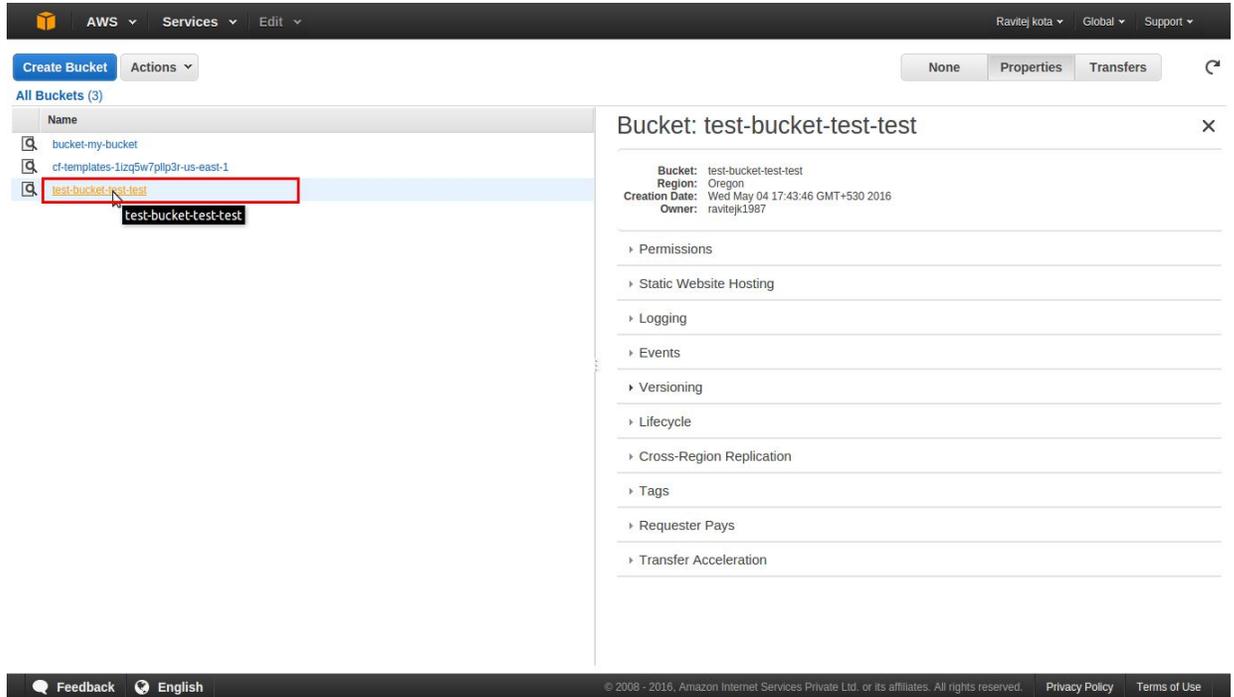
2. Click on Create Bucket



3. Enter the name of the bucket and click on create

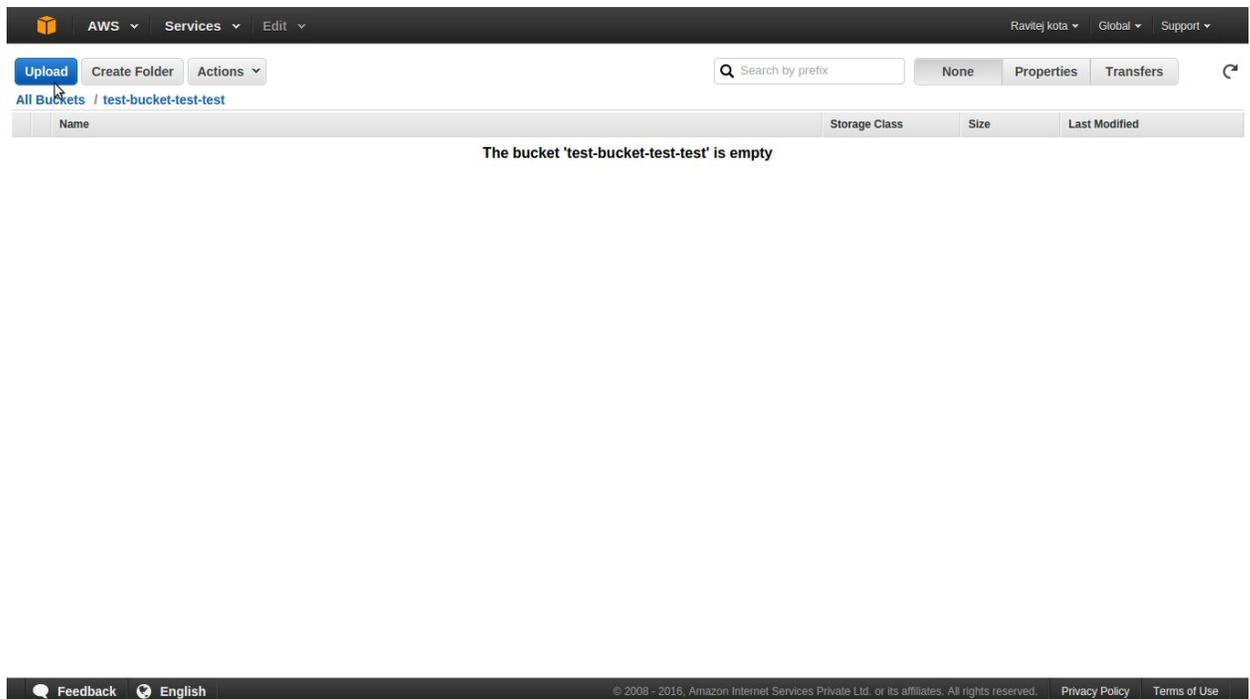


4. Now the bucket created and ready to store the objects

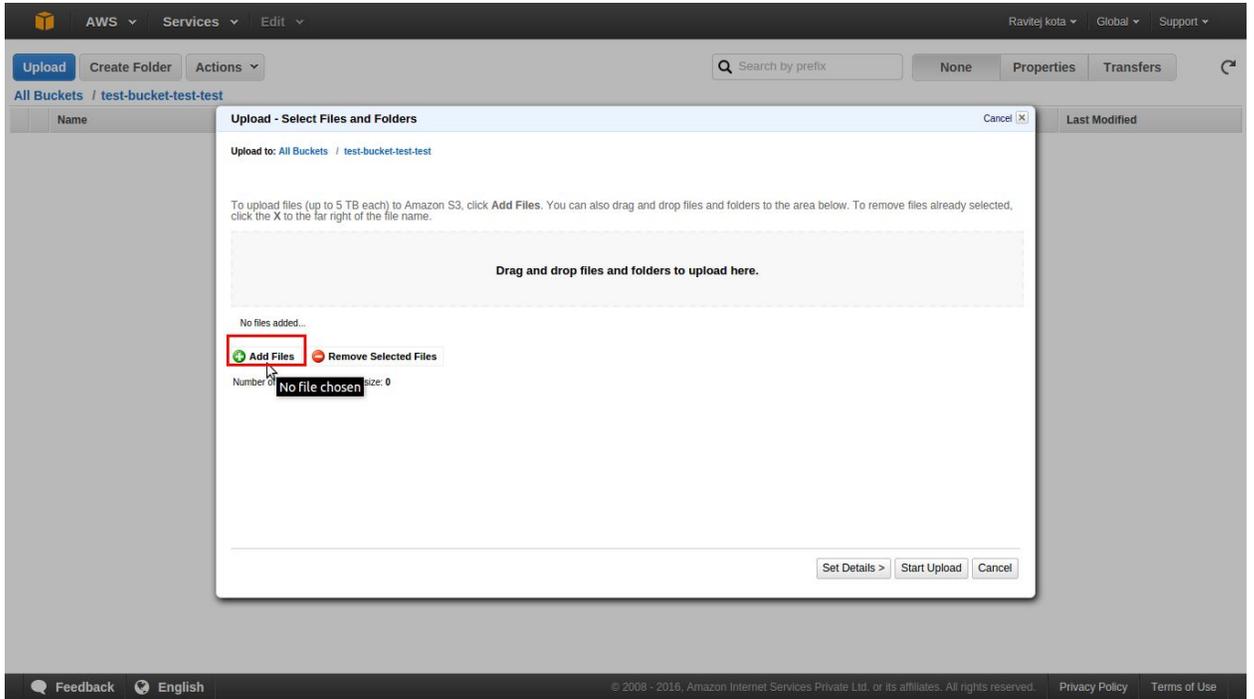


### Loading/uploading objects into the bucket

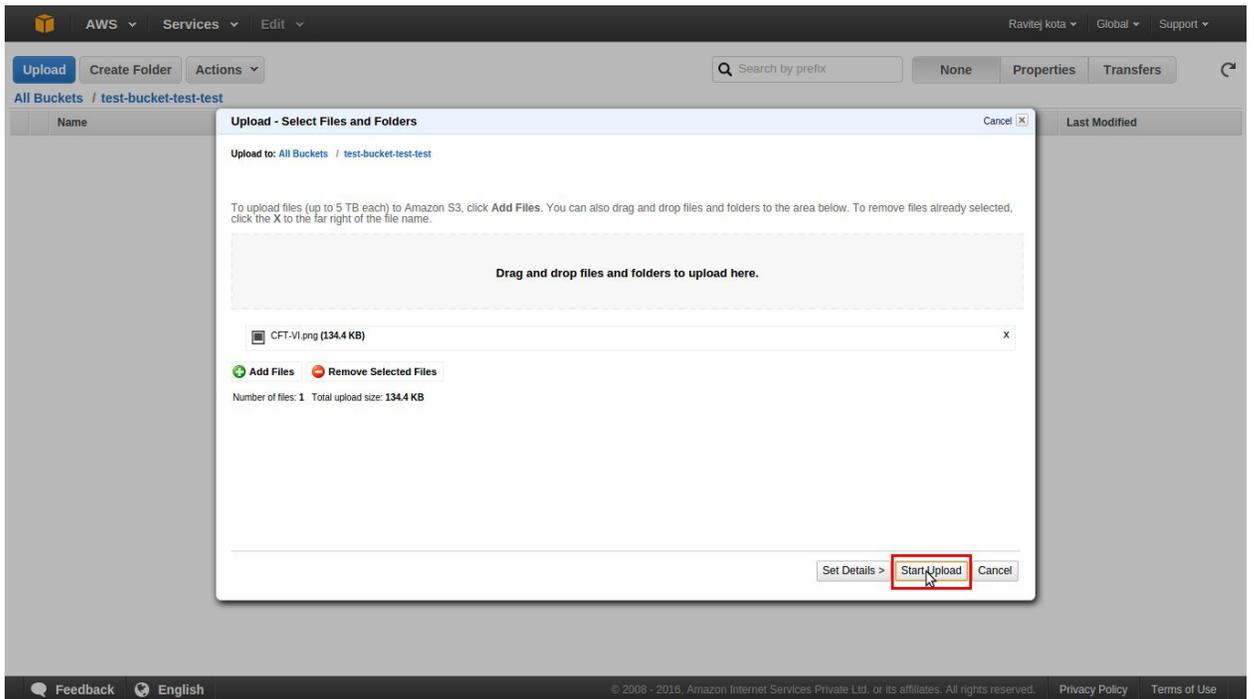
1. Click on the bucket name && click on upload



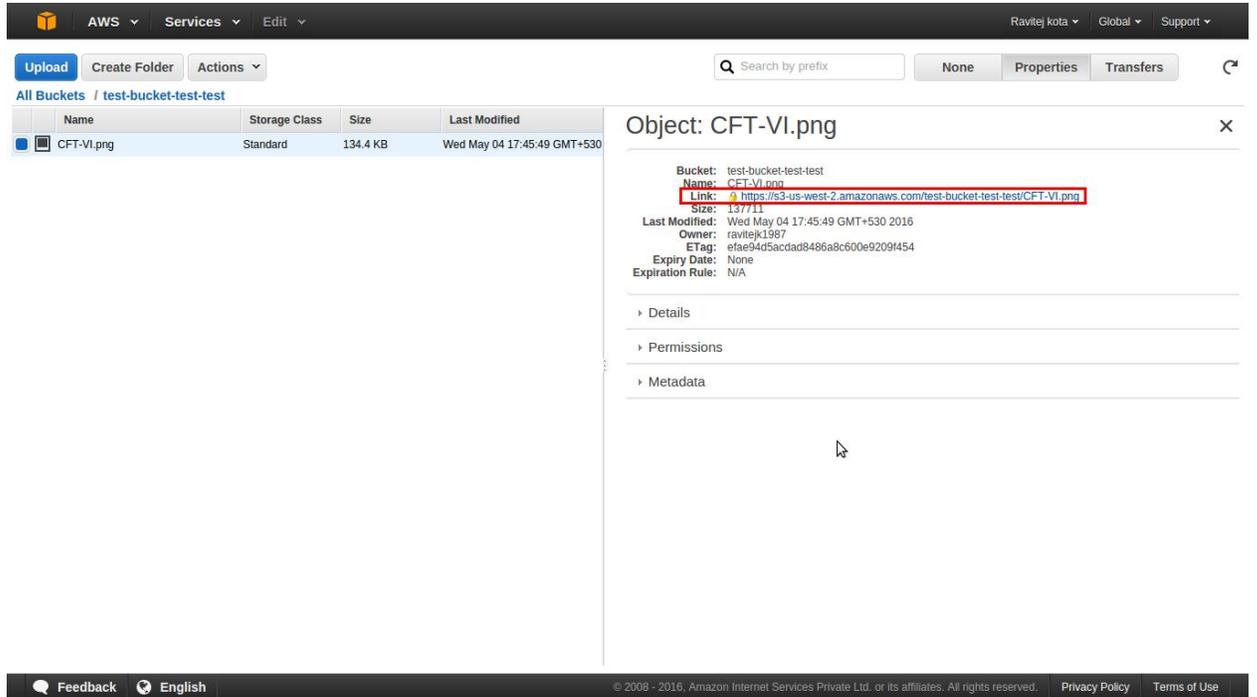
2. Click on the Add Files



3. Click on Start Upload



4. Now uploaded the object into the bucket and ready for download



### Download the objects from s3

1. Click on the Link provided by object



2. It will give the below o/p when first time

### Adding Permission to Buckets

1. Select the object && click on properties tab && click on permissions
2. Add the download permissions to everyone and click on save

The screenshot shows the AWS IAM console interface. On the left, a table lists objects in the bucket 'test-bucket-test-test'. The object 'CFT-VI.png' is selected. On the right, the 'Object: CFT-VI.png' details panel is open, showing metadata and the 'Permissions' section. In the 'Permissions' section, a new grantee 'Everyone' has been added with 'Open/Download' permissions checked. The 'Save' button is highlighted with a red box.

Name	Storage Class	Size	Last Modified
CFT-VI.png	Standard	134.4 KB	Wed May 04 17:45:49 GMT+530

Object: CFT-VI.png

Bucket: test-bucket-test-test  
Name: CFT-VI.png  
Link: <https://s3-us-west-2.amazonaws.com/test-bucket-test-test/CFT-VI.png>  
Size: 137711  
Last Modified: Wed May 04 17:45:49 GMT+530 2016  
Owner: ravitej1987  
ETag: efae94d5acdad8486a8c600e9209f454  
Expiry Date: None  
Expiration Rule: N/A

Permissions

You can control access to the bucket and its contents using access policies. [Learn more.](#)

Grantee: ravitej1987  Open/Download  View Permissions  Edit Permissions x

Grantee: Everyone  Open/Download  View Permissions  Edit Permissions x

[Add more permissions](#)

[Save](#) [Cancel](#)

3. Now everyone can able to download the object by click the link

### Removing objects && Bucket

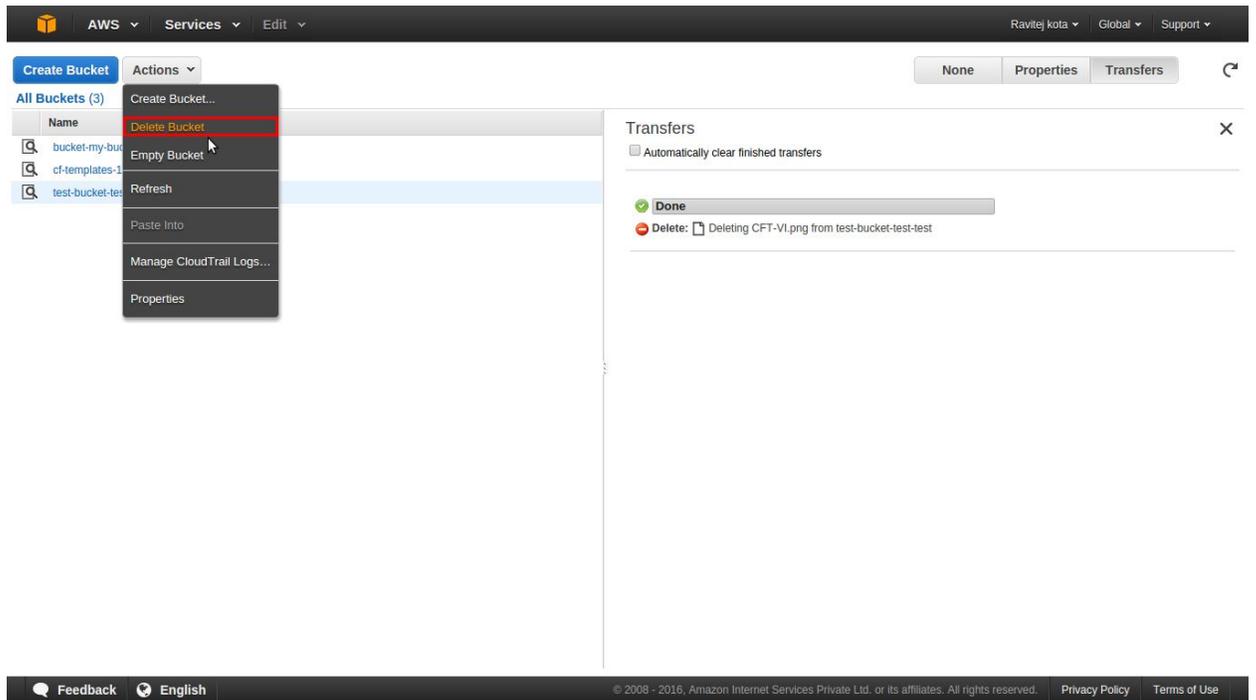
1. Select the object && right click on the object && click on Delete

The screenshot shows the AWS IAM console interface. The object 'CFT-VI.png' is selected in the table. A context menu is open over the object, with the 'Delete' option highlighted by a red box.

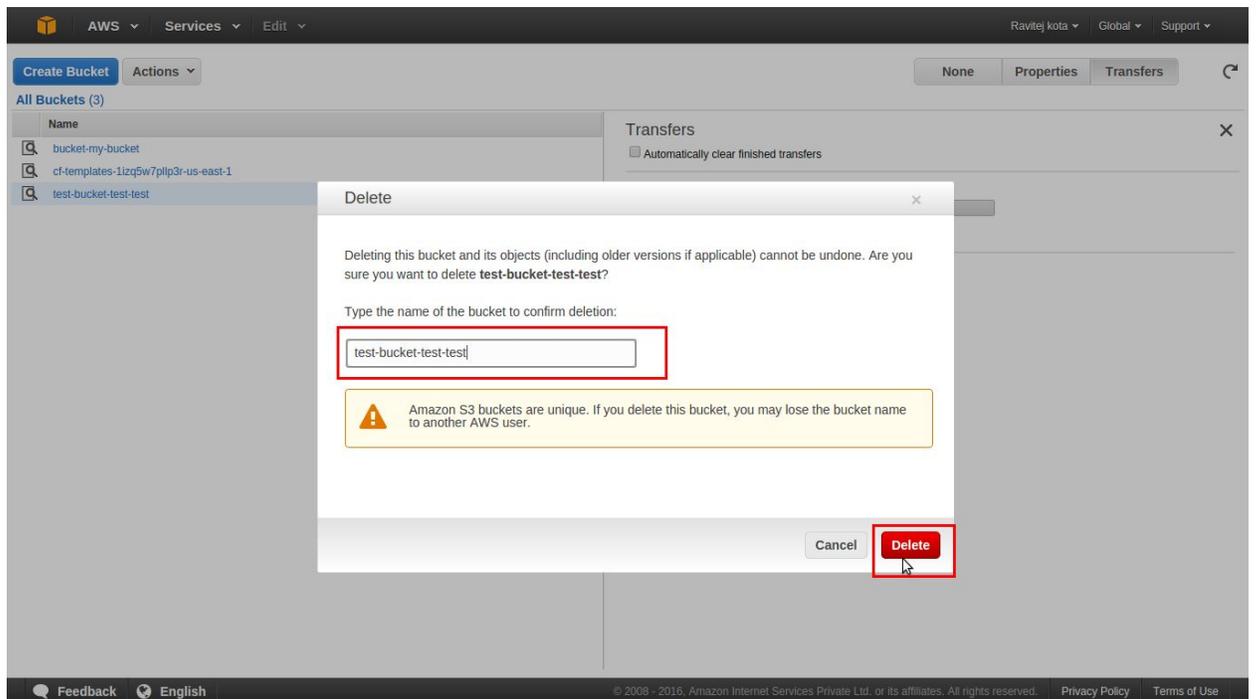
Name	Storage Class	Size	Last Modified
CFT-VI.png	Standard	134.4 KB	Wed May 04 17:45:49 GMT+530 2016

Open  
Download  
Make Public  
Rename  
Delete  
Initiate Restore  
Cut  
Copy  
Properties

2. Select the bucket and click on actions and click on Delete Bucket



3. It will ask the bucket name for confirmation, enter bucket name and click on delete



4. Now the bucket completely removed from s3

[Upload static site to s3 and access it as public](#)

<http://docs.aws.amazon.com/gettingstarted/latest/swl/getting-started-hosting-your-website.html>

<http://www.michaelgallego.fr/blog/2013/08/27/static-website-on-s3-cloudfront-and-route-53-the-right-way/>

\*\*\*\* Thank You \*\*\*\*