

# Hands on Lab: Creating IBM Cloud Object Storage

**Estimated Effort:** 20 minutes

## Lab overview:

After completing this lab, you will have created an Object Storage instance, a bucket, and added objects to the bucket.

## Objectives:

After completing this lab, you will be able to:

- Use your IBM Cloud account to create an instance of Object Storage
- Create a bucket to store data
- Add objects to your bucket
- Share objects in your bucket.

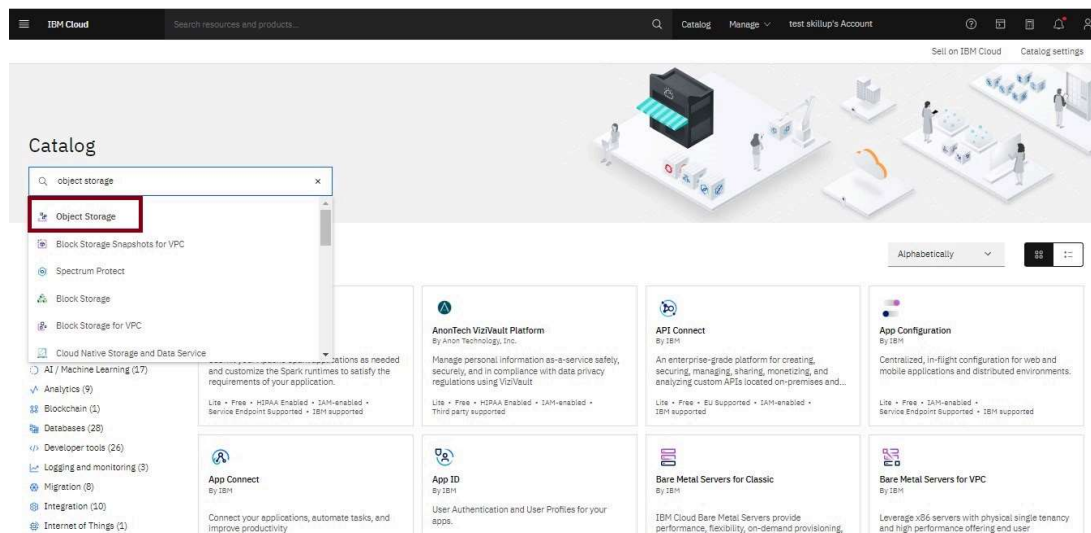
## Prerequisites:

You will need an IBM Cloud account to do this lab. If you have not created one already, click on this [link](#) and follow the instructions to create an IBM Cloud account.

## Create an IBM Cloud Object storage

### Task 1: Create an instance of IBM Cloud Object Storage:

1. Log in to your IBM Cloud account and open the IBM Cloud Catalog <https://cloud.ibm.com/catalog>.
2. On the Catalog page, make sure the **Storage** tab is selected and search and select **Object Storage**:



3. On the [Cloud Object Storage \(COS\) page](#), choose the Lite plan. You can use the name that is shown in Service name or rename it as you want, accept the Default resource group, and then click Create.

IBM Cloud

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## Cloud Object Storage

Author: IBM • Date of last update: 2022-07-06 7:49 PM • Docs • IPTG docs

Create About

Choose an Infrastructure

**IBM Cloud**

Create, manage, and access your storage in globally available data center locations. Public cloud environments are designed for high durability, resiliency and security. IBM-managed infrastructure automatically scales to business needs.

**Satellite**

Utilize infrastructure from on-premise data centers, at other cloud providers, or in edge networks as a Satellite location to IBM Cloud. Deploy, manage and control app workloads with IBM Cloud Object Storage on client-managed infrastructure.

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
Life	Life plan instance is free to use for Storage capacity up to 25 GB per month. Life plan instance is used for initial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality.	Free
Standard	Standard plan is our most popular Pay-as-you-go pricing plan. There is no minimum fee. This plan meets the requirements of most of the enterprise workloads.	<a href="#">View storage class pricing</a>
One Rate	One Rate plan offers a flat monthly charge that includes capacity, and built-in allowances for outbound bandwidth and data access. It is best suited for active workloads with large amounts of outbound bandwidth as a portion of their storage capacity.	<a href="#">View storage class pricing</a>

Summary

**Cloud Object Storage** Free

Region: Global

Plan: Life

Service name: Cloud Object Storage-ku

Resource group: Default

Create

Add to estimate

View terms

- Once the Cloud Object Storage (COS) instance is created, you will automatically be directed to the Cloud Object Storage page. Here you can create a bucket and invite users for your Cloud Object Storage instance.

Cloud Object Storage

Instances Integrations Endpoints Documentation Billing

## Cloud Object Storage

An enterprise cloud object storage solution

Welcome to your new IBM® Cloud Object Storage service! It provides unstructured data storage for cloud applications. To get started - create a bucket, upload objects and set up access policies to allow other users to work with your data.

[Learn More](#)

Overview Create bucket Access Management

## Task 2: Create a Bucket to store your data:

- Click on **Instances** in the left navigation pane and select your Object storage instance. Then, click on the **Create bucket** panel.

Cloud Object Storage

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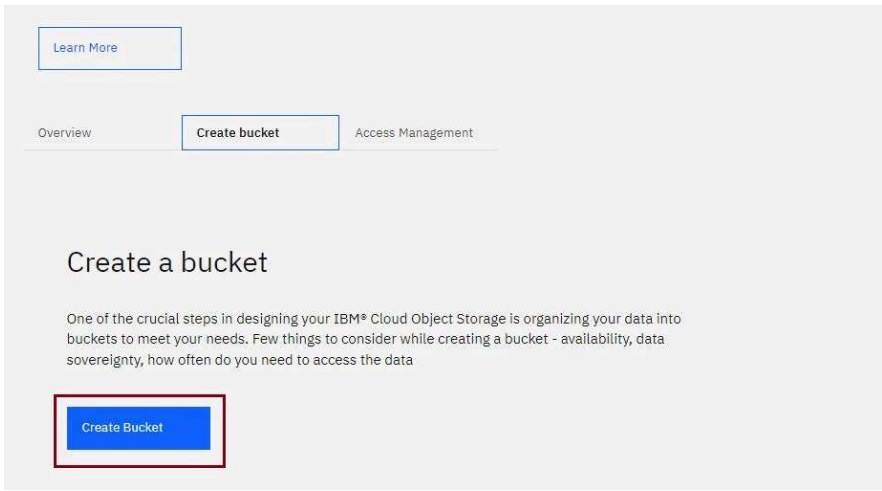
Overview Create bucket Access Management

### Access Management

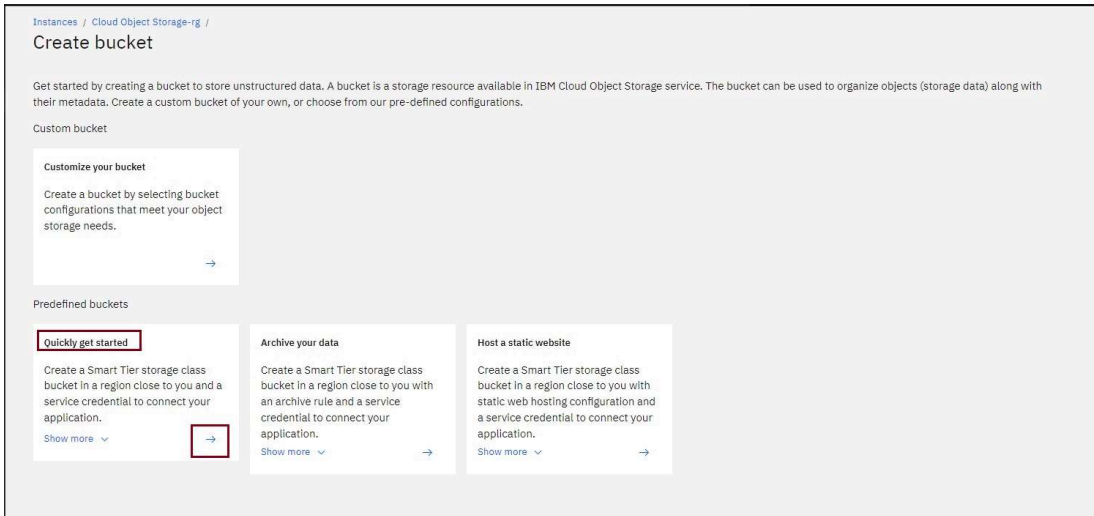
IBM® Cloud Identity & Access Management (IAM) enables you to securely authenticate users and control access to all cloud resources consistently in the IBM Cloud Platform.

[Invite Users](#) [Create credential](#)

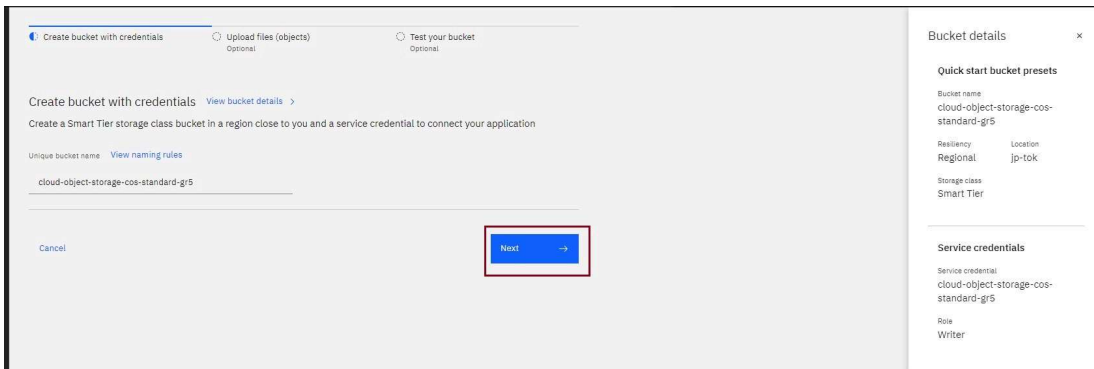
- Click on the **Create Bucket** button



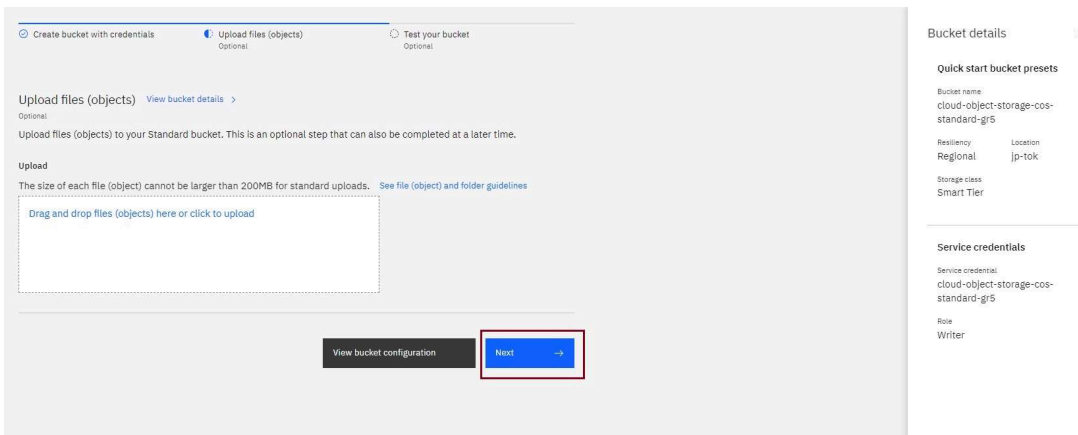
3. Click the right facing arrow under the **Quickly get started** tile.



4. Use the pre-assigned name for your bucket and review the pre-configured settings and service credentials and click **Next**.

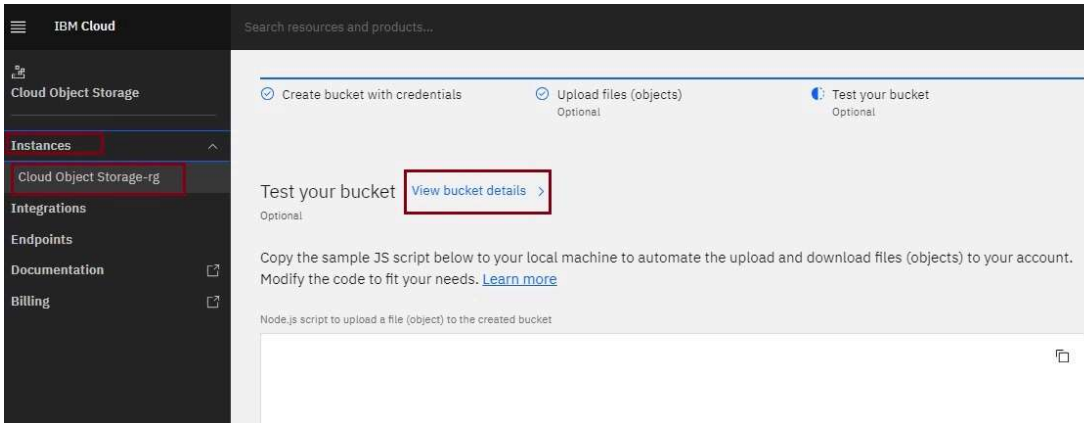


4. The Bucket page appears where you can begin adding objects to the bucket. You can either upload file(s) and then click on **Next**, or click **Next** without uploading any files.

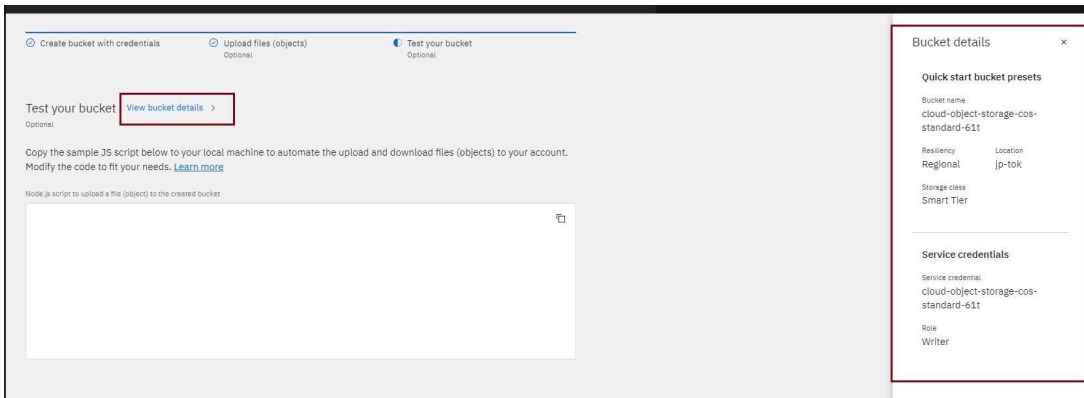


### Task 3: Add Objects to your Bucket:

1. On your Object storage instance's page, click on **View bucket details**



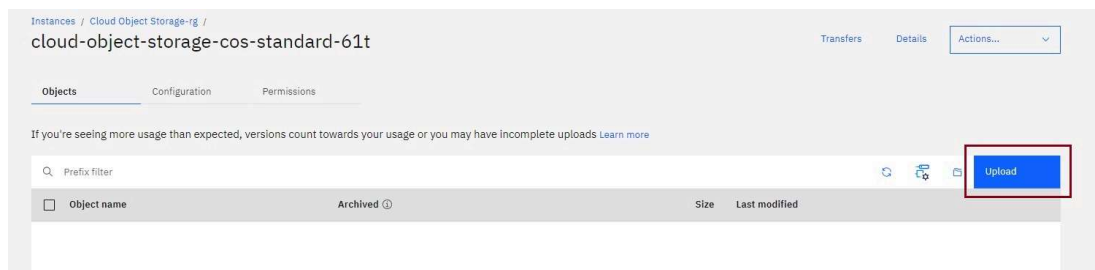
2. The details for the bucket will be displayed.



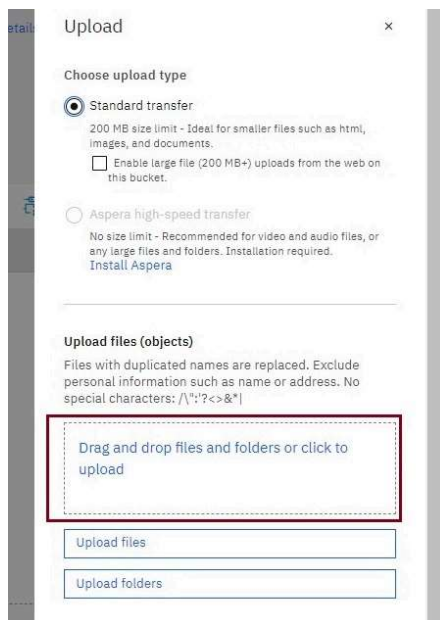
3. In the object storage main page you can see all the buckets under the **Buckets** tab. Select the bucket to which you want to add objects.



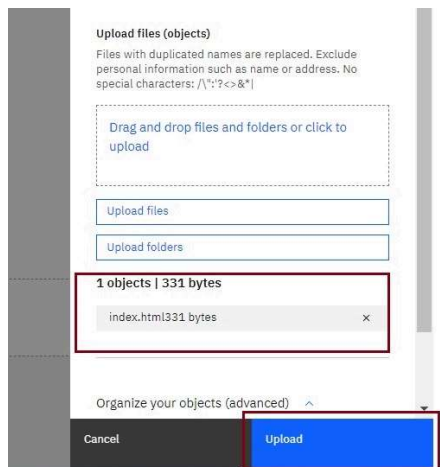
4. For this lab, we've provided an HTML file that you can use to add to your bucket. Right click on [Index.html](#) and click on **Save Link as** or **Save Page as** to save the index.html file to your computer.
5. (Optional) Edit the index.html file to customize it if you like.
6. Click on **Upload** in the **Objects** page.



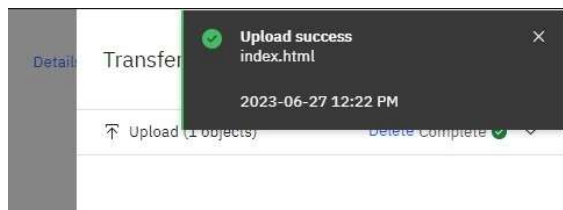
7. Use either the **click to upload** or the **drag and drop files and folders** option to select the `index.html` file from the appropriate location on your computer.



8. Once selected, it will show the file name & size. Click on **Upload**.



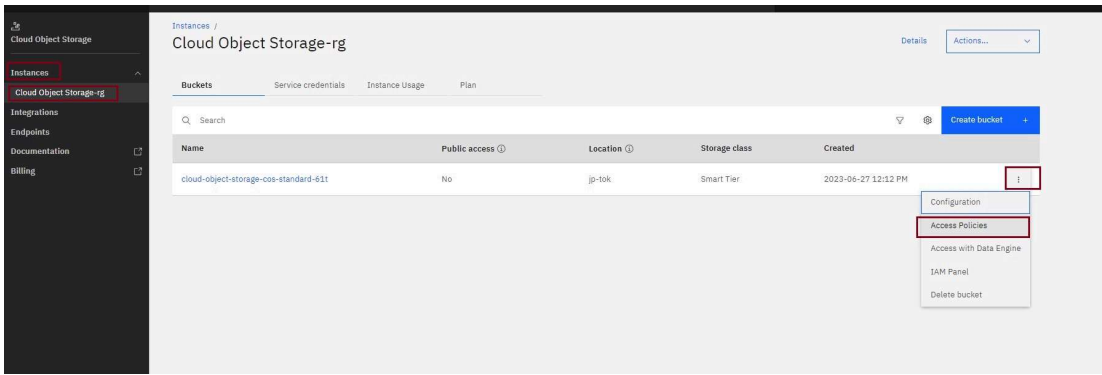
9. Once the file is uploaded, you will see a message like this.



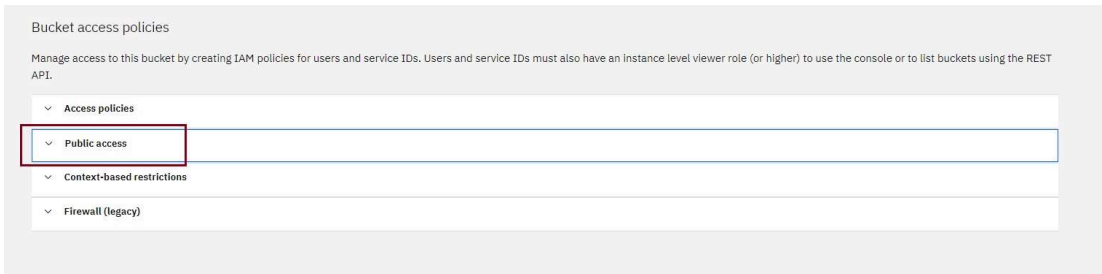
#### Task 4: Share Objects in your Bucket:

If you need to share objects in your buckets with other users, you can setup Access Policies. You can set access policies for specific users and groups, or you can choose to make certain buckets public so that anyone can access them (e.g. if you want to host static files on your website).

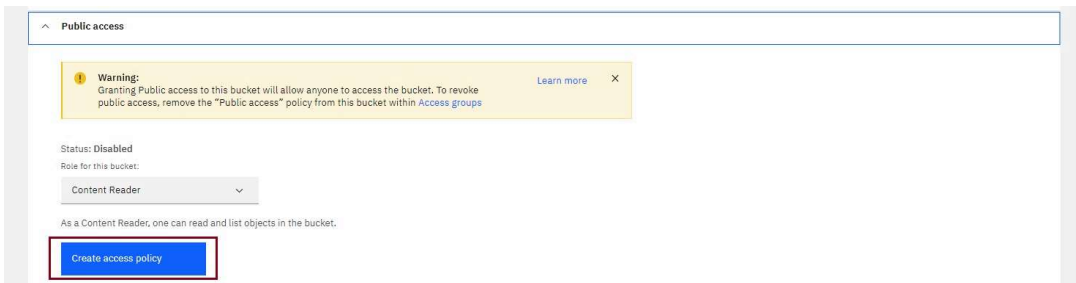
1. In the Bucket tab, click the three dots option of the bucket that you created. Then click **“Access Policies”**.



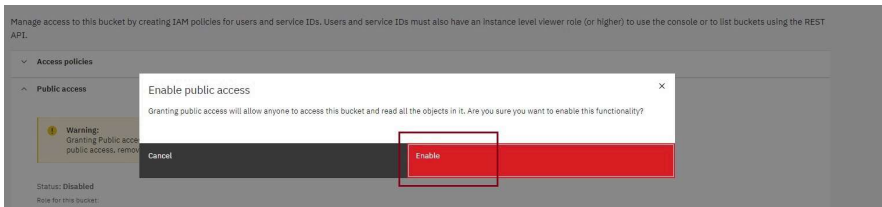
2. Under **Permission** Tab, click **Public Access**.



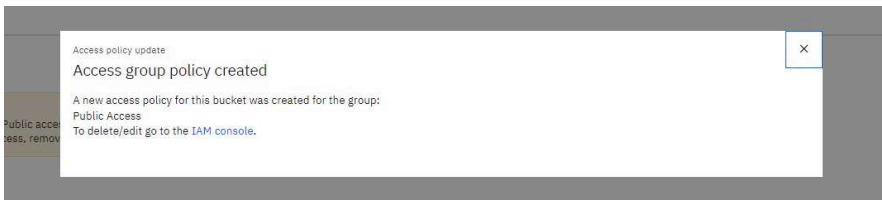
3. When you click on **Public Access**. Click **Create access policy**.



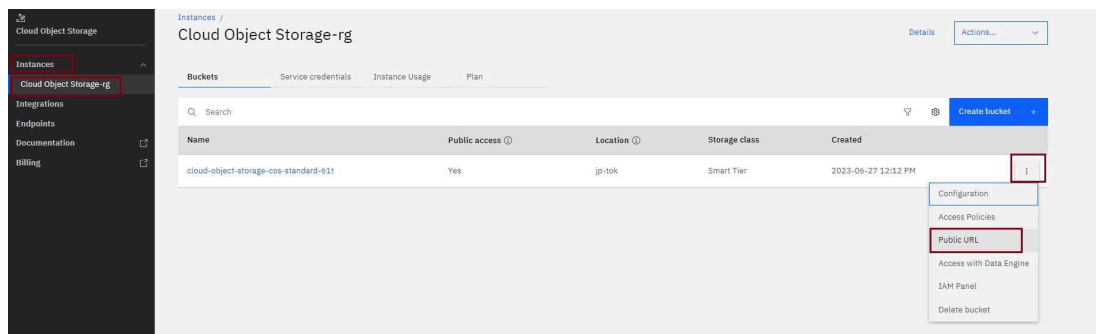
4. Next, a popup window appears. Click **Enable** to allow public access.



5. Once the access policy is created, you will see a message like this.



6. On the Buckets page, select the **three dots** option under which you will find **Public URL**.



7. This will show your **bucket's Public URL** in a pop-up. Copy the URL.



**Note:** If the Object Public URL does not appear, kindly refresh the page as it may take some time to reflect

8. Add /index.html to this link to get the **Object Public URL** which will be similar to ....cloud-object-storage.appdomain.cloud/index.html.

9. Test the **Object public URL** by opening it in your browser. The output will be like this:



## My File in Cloud Object Storage

I just learned how to work with Cloud Object Storage, including -

- Creating Buckets
- Adding Objects to them
- and Sharing them with others

- in this Introduction to Cloud course from IBM.

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