

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.

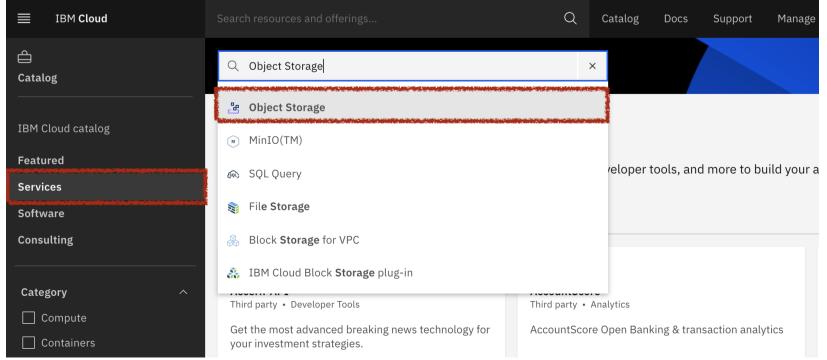
Prerequisites:

You will need an IBM Cloud account to do this lab. If you have not created one already, click on this <u>link</u> and follow the instructions to create an IBM Cloud account.

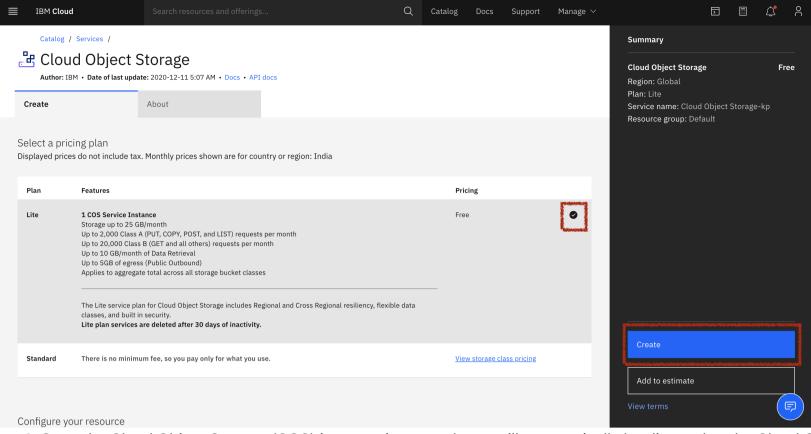
Create an IBM Cloud Object storage

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

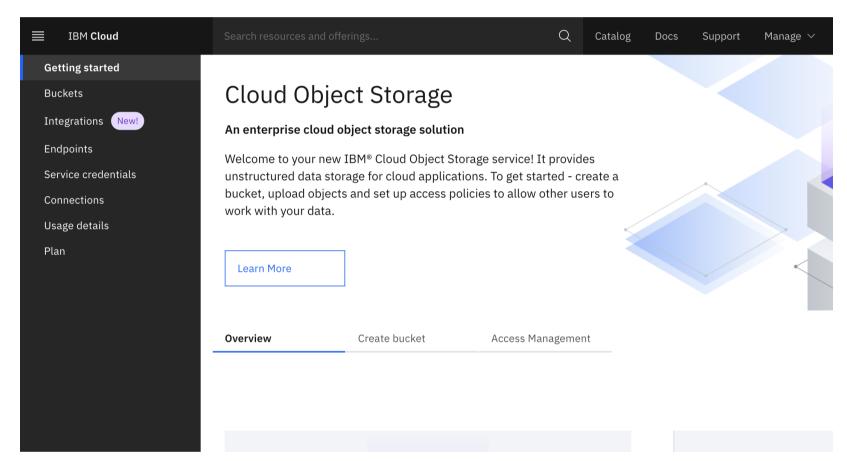
- 1. Log in to your IBM Cloud account and open the IBM Cloud Catalog https://cloud.ibm.com/catalog.
- 2. On the Catalog page, make sure the **Services** tab is selected and search and select **Object Storage**:



3. On the <u>Cloud Object Storage (COS) page</u>, 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.

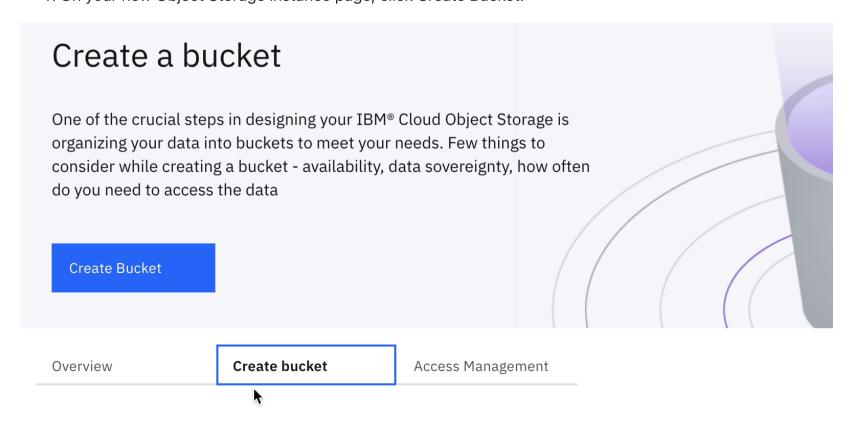


4. Once the Cloud Object Storage (COS) instance is created, you will automatically be directed to the Cloud Object Storage page. Here you can create a bucket and invite users for your Cloud Object Storage instance.

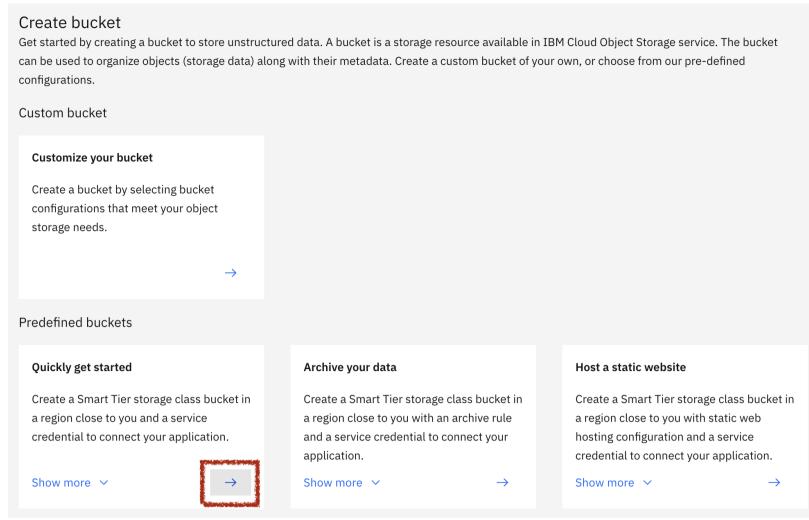


Task 2: Create a Bucket to store your data:

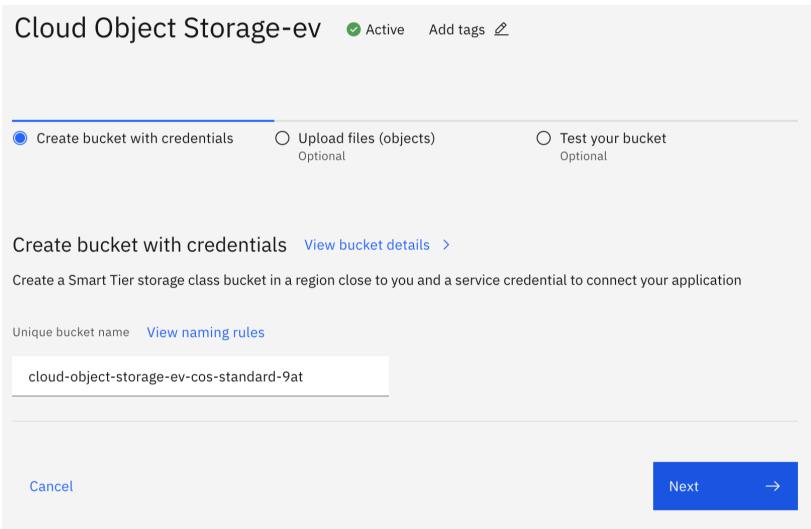
1. On your new Object Storage instance page, click Create Bucket.



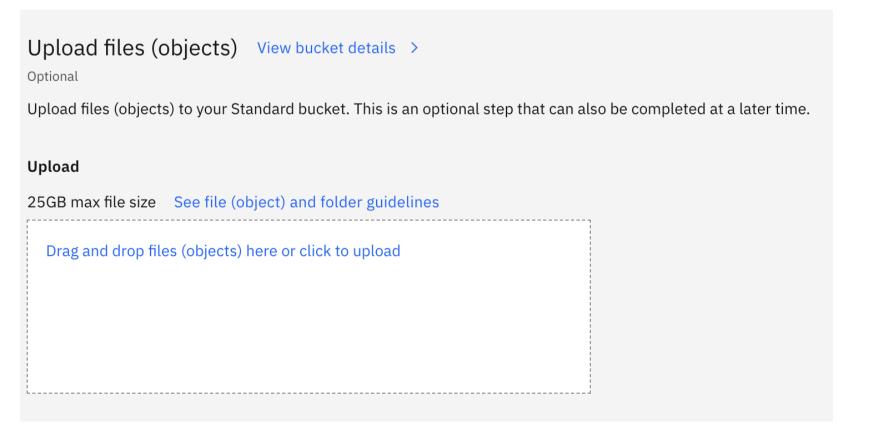
2. On the Create a bucket page, you can create a predefined bucket.



3. Use the pre-assigned name for your bucket or enter your name and review the pre-configured settings and service credentials and click Next.

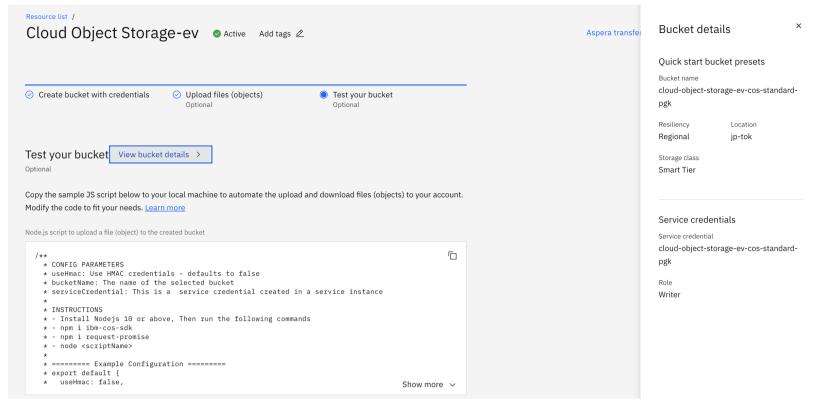


4. The Bucket page appears where you can begin adding objects to the bucket.

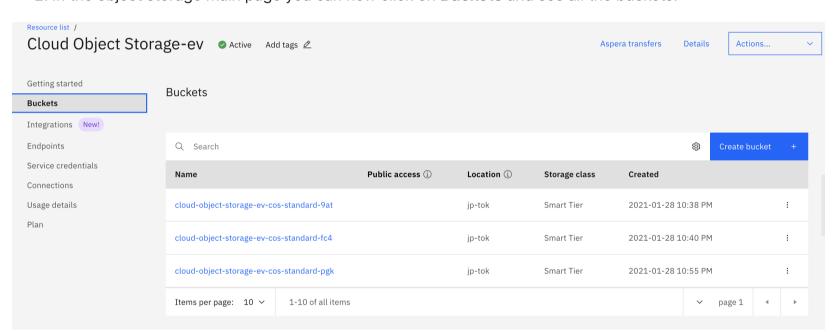


Task 3: Add Objects to your Bucket:

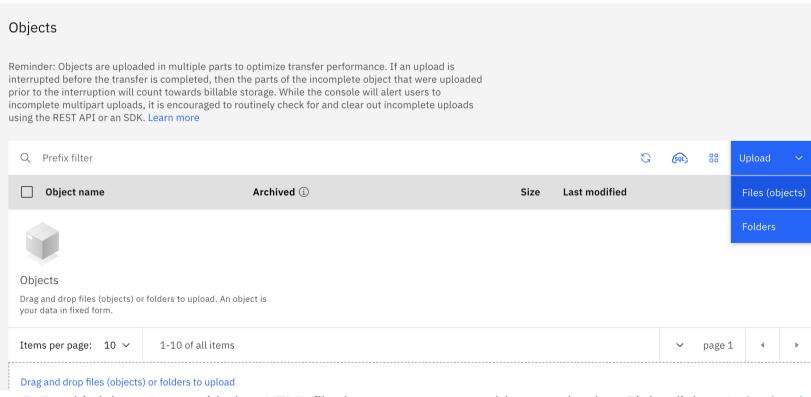
1. On the Bucket page, click on View Details and the details for the bucket are displayed.



2. In the object storage main page you can now click on **Buckets** and see all the buckets.



- 3. Click the name of the bucket to which you want to add objects.
- 4. The Objects page appears where you can click Upload and select Files or Folders from the dropdown. You can also drag and drop files or folders into the space.



5. For this lab, we've provided an HTML file that you can use to add to your bucket. Right click on Index.html

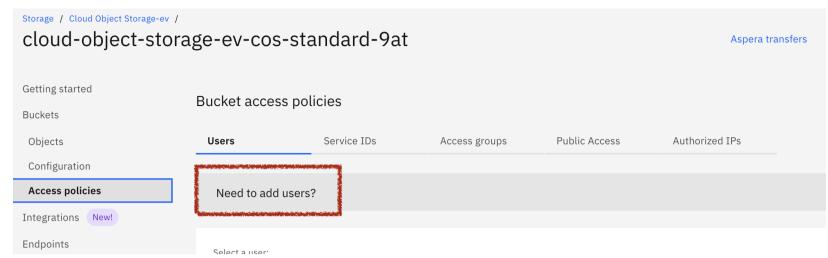
and click on Save Link as or Save Page as to save the index.html file to your computer.

- 6. (Optional) Edit the index.html file to customize it if you like.
- 7. Upload the index.html file from your computer to your COS bucket.

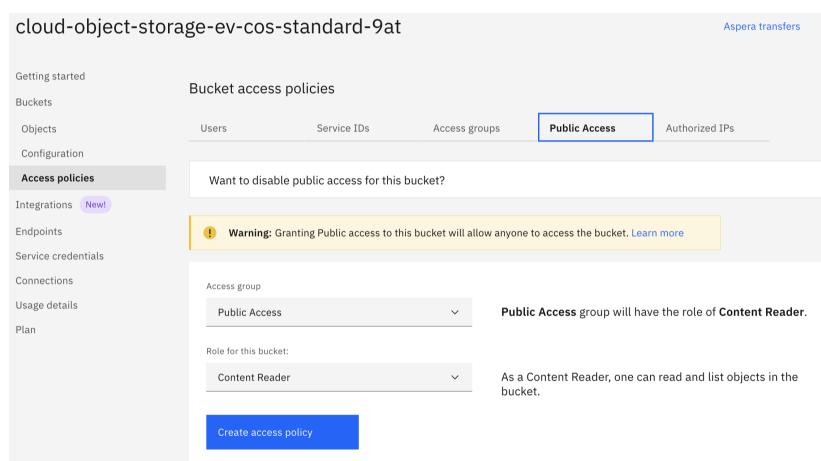
Task 4: Share Objects in your Bucket:

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 navigation pane under buckets, click Access Policies. On the Bucket access policies page, click Need to Add users? to add user access for your bucket.



2. You can select users if they've already been added and select roles for this bucket. But for this exercise we need to provide public access to the file we added to the bucket. Click **Public Access** and notice **Public Access** appears in the Access group, and then click **Create Access** policy.



3. When you click on Public Access, a popup window appears. Click Enable to allow public access.

Enable public access

×

Granting public access will allow anyone to access this bucket and read all the objects in it. Are you sure you want to enable this functionality?



- 4. Next, a popup window appears that confirms you have provided public access to the Html file.
- 5. Next, click Objects in the navigation pane to return to the screen where you can find the URL for the Html file that you loaded to your bucket.
- 6. On the Objects page, click the ellipses ("...") at the end of the HTML file you added to your bucket, and then select *Object Details* from the list. A details window pops up. Click the :clipboard: icon to copy and get the **Object Public URL** for the HTML file to share this file with others.





Object details

Last modified Tags
2022-01-31 10:14 AM 0 Tags

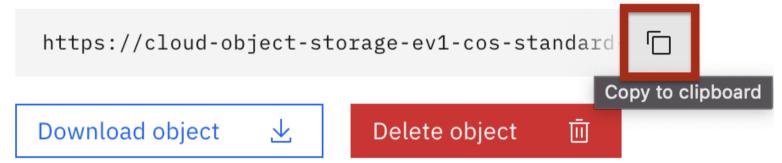
Storage class

Object size

Smart Tier

331 bytes

Object Public URL (i)



7. You can also test the public URL that you copied by opening it in your browser.

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Changelog

Date	Version	Changed by	Change Description
2021-07-28	2.1	Rav	Removed erroneous instruction for others to sign file, updated links, formatting
2021-01-28	2.0	Lavanya	Updated Lab instructions and screenshots and migrated to GitLab
2020-03-10	1.1	Rav	Updates for improved flow and sharing
2020-01-31	1.0	Priya	Initial version created

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