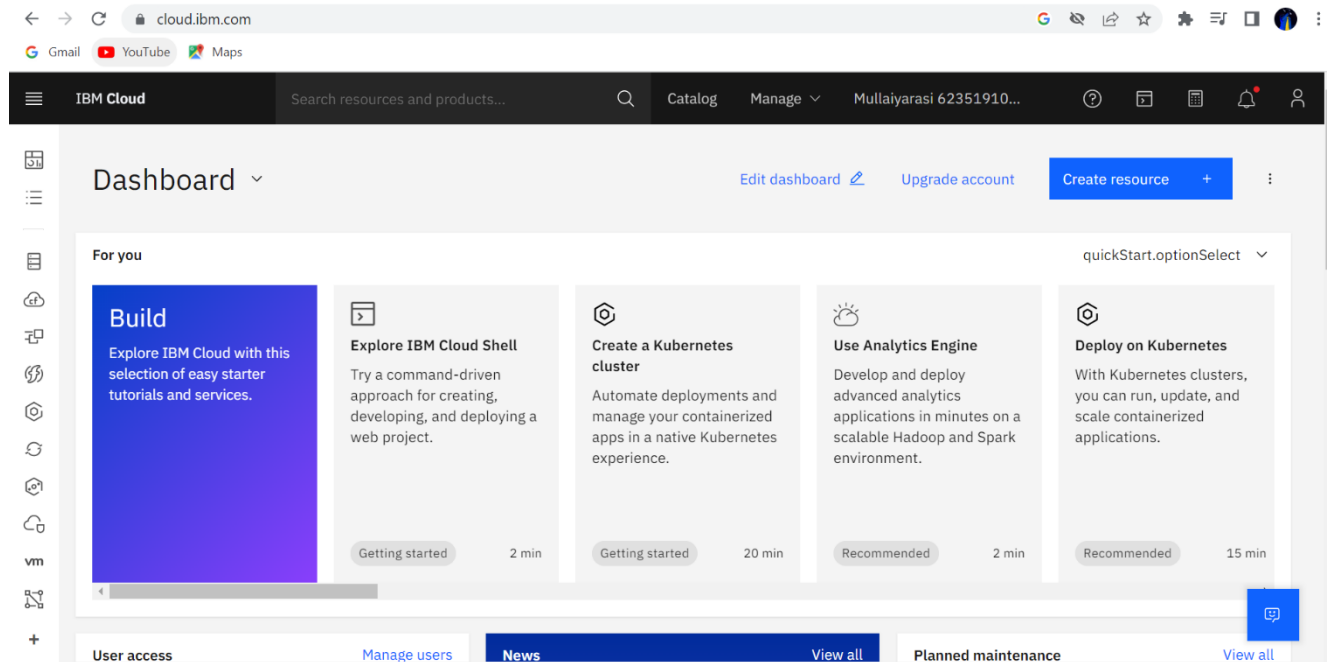


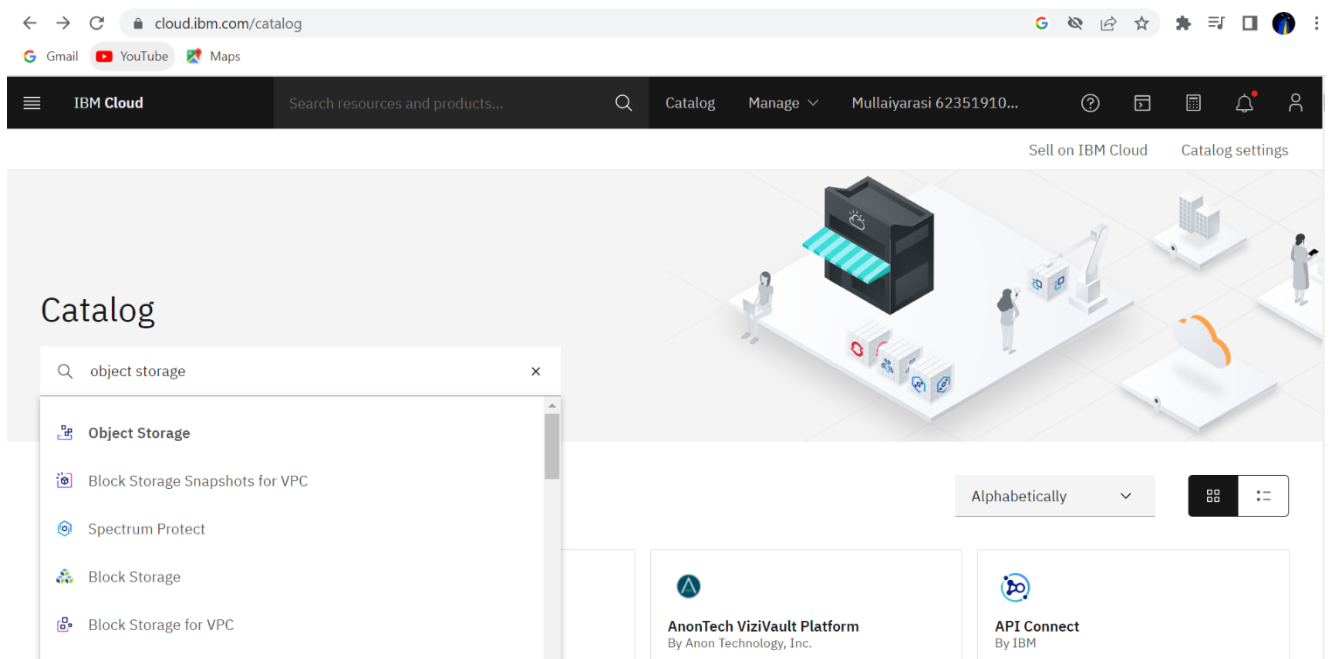
CREATE A CLOUD OBJECT STORAGE SERVICE

DATE	15-NOV-2022
TEAM ID	PNT2022TMID42167
PROJECT NAME	IOT Based Smart Crop Protection System for Agriculture

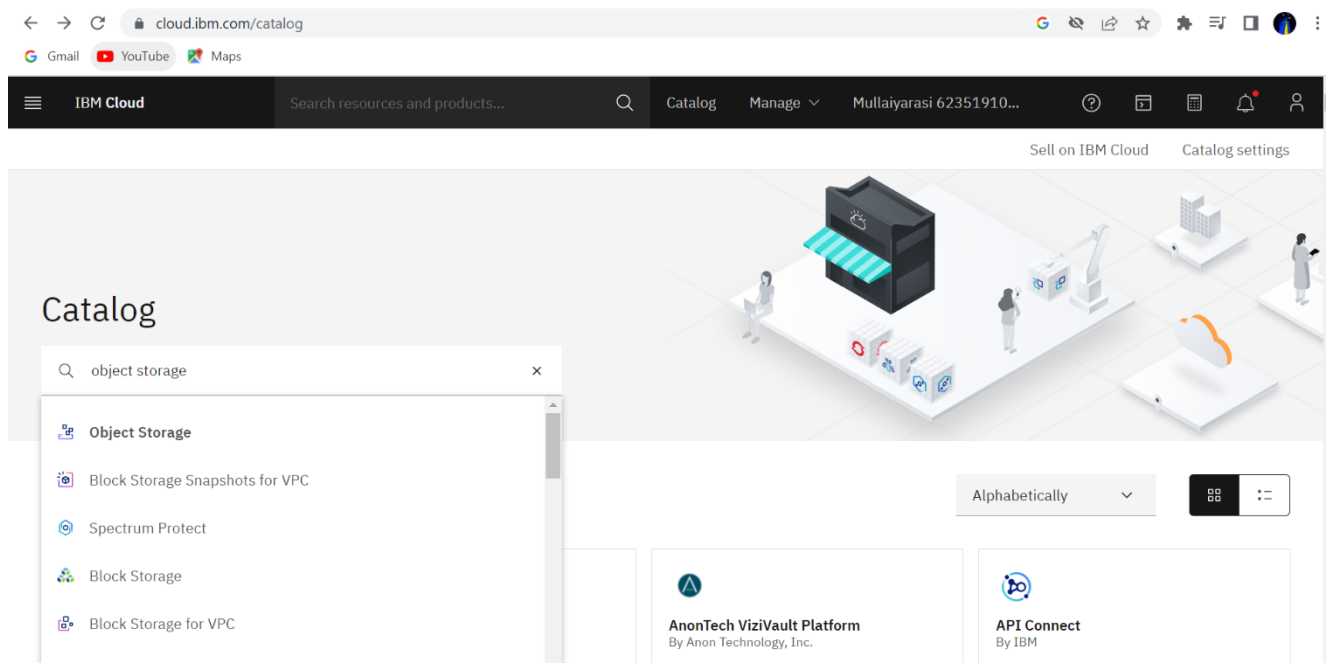
Step 1: Enter your IBM cloud account credentials.



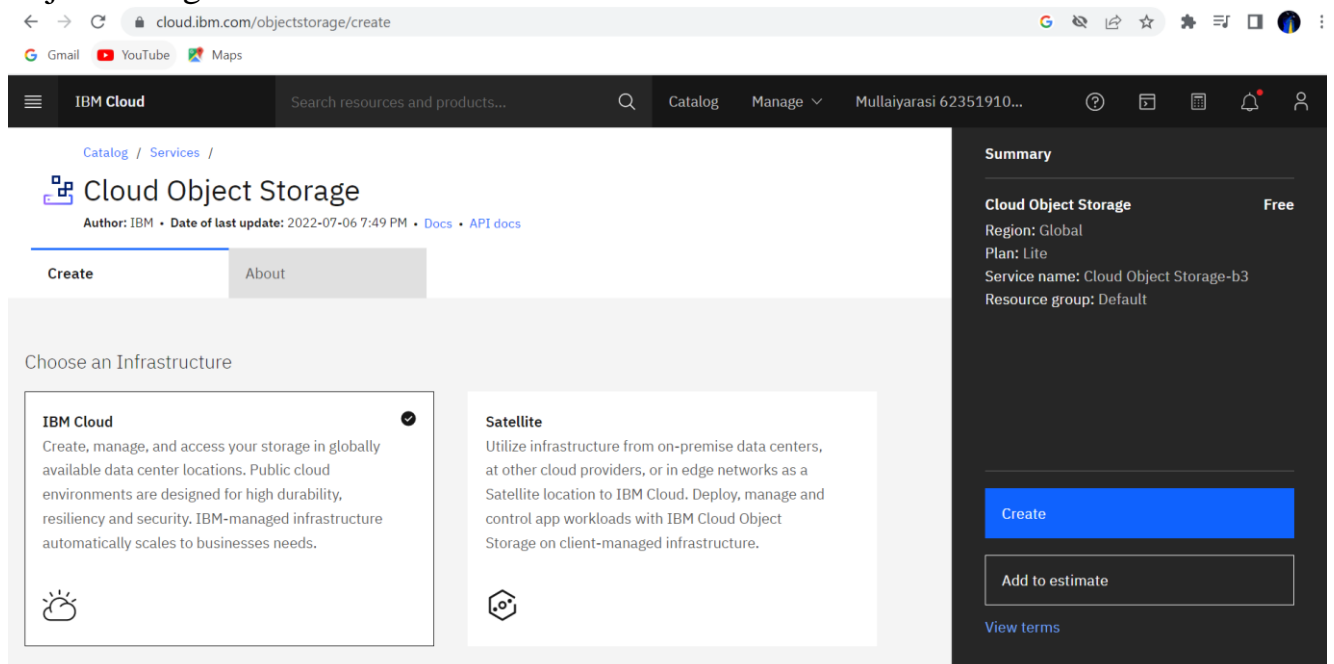
Step 2: open the catalog, then click on the storage.



Step 3 : Then if you scroll down you observe object storage and click on it.



Step 4 : Then it will open like in the below and click on create to create the cloud object storage.



Step 5 : Therefore creation of cloud object storage is created.

cloud.ibm.com/objectstorage/create

IBM Cloud

Select a pricing plan

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

Plan	Features	Pricing
Lite	<p>Lite plan instance is free to use for Storage capacity up to 25 GB per month. Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality.</p> <p>Only one Lite plan instance is allowed per account. The Lite plan instance includes up to 25 GB of storage capacity; 2,000 Class A (PUT, COPY, POST, and LIST) requests; 20,000 Class B (GET and all others) requests; 10 GB of data retrieval; 5GB of egress (public outbound bandwidth) each month. These thresholds apply to the aggregate total across all storage class buckets. Lite plan services are deleted after 30 days of inactivity.</p>	Free
Standard	<p>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.</p>	View storage class pricing
One Rate	<p>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 percent of their storage capacity.</p>	View storage class pricing

Summary

Cloud Object Storage **Free**

Region: Global
Plan: Lite
Service name: Cloud Object Storage-2f
Resource group: Default

Create

Add to estimate

[View terms](#)

Step 6 : We need to establish a bucket to store the image. Clicking on it will display a few options for creating buckets. Selecting a custom bucket will open as seen below. Enter the information requested, then click the Create Bucket button.

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F1a00d474ace84633858...

IBM Cloud

Cloud Object Storage

Storage instances

Cloud Object Storage-b3

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections


Plan

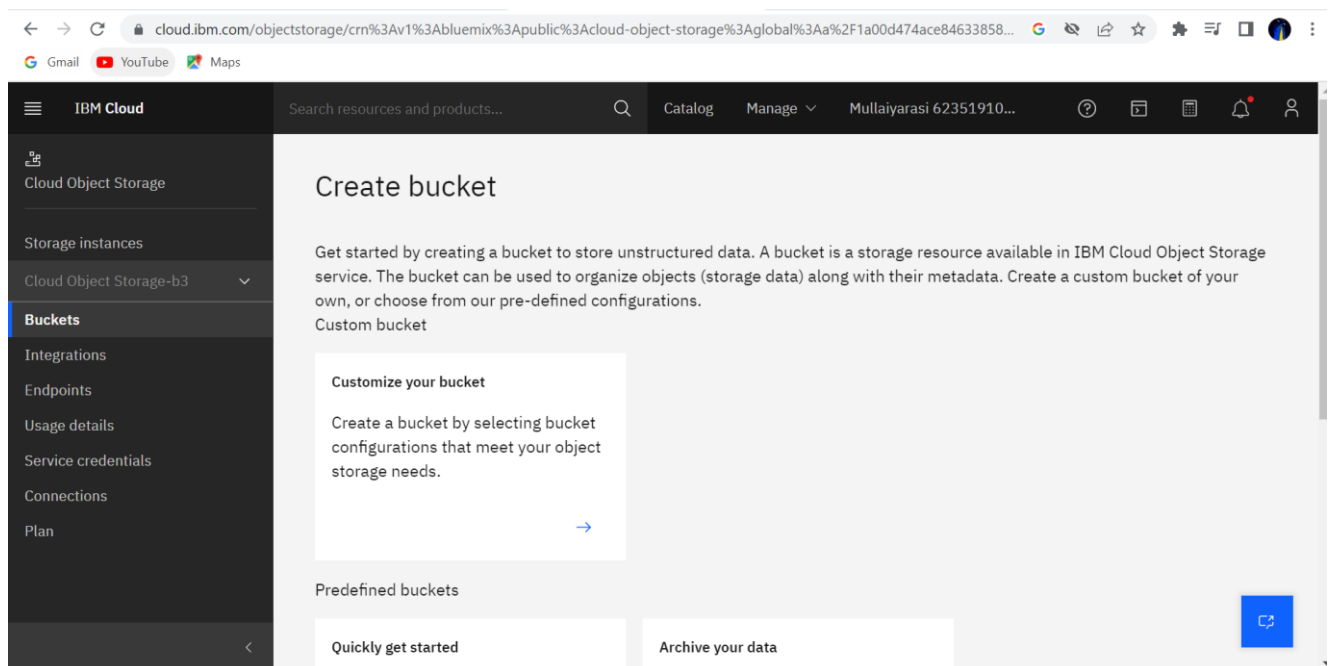
Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

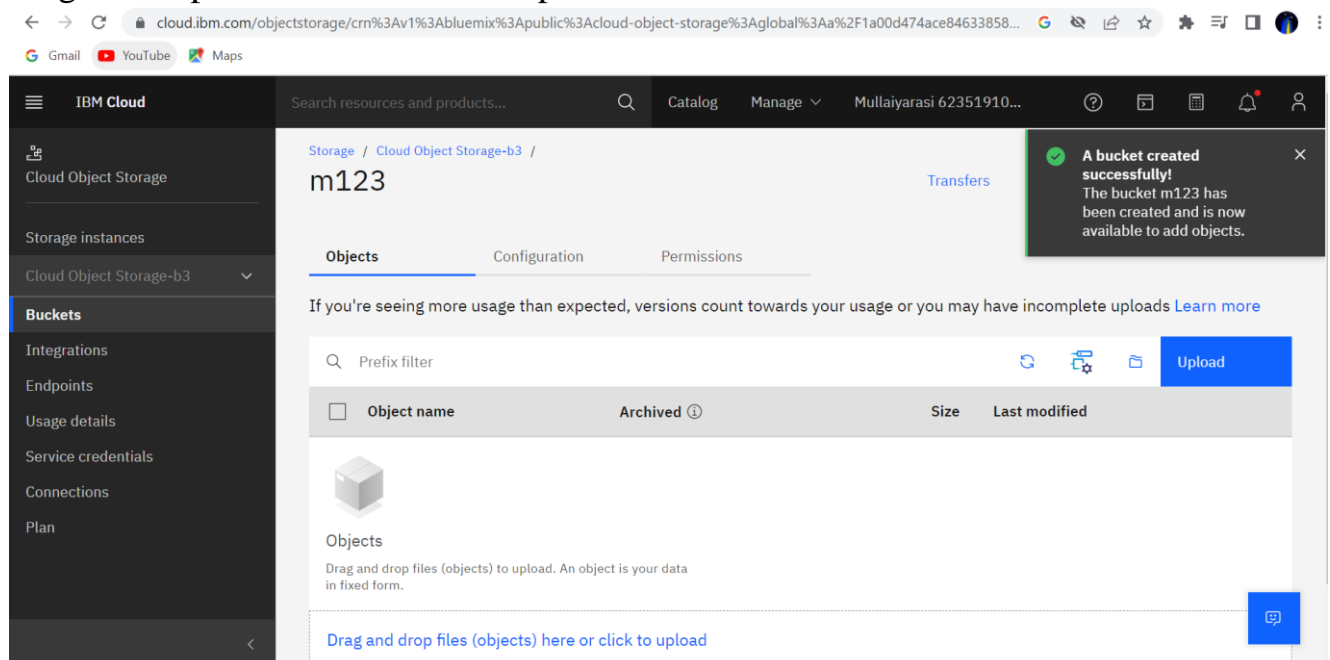
Search

Create bucket +

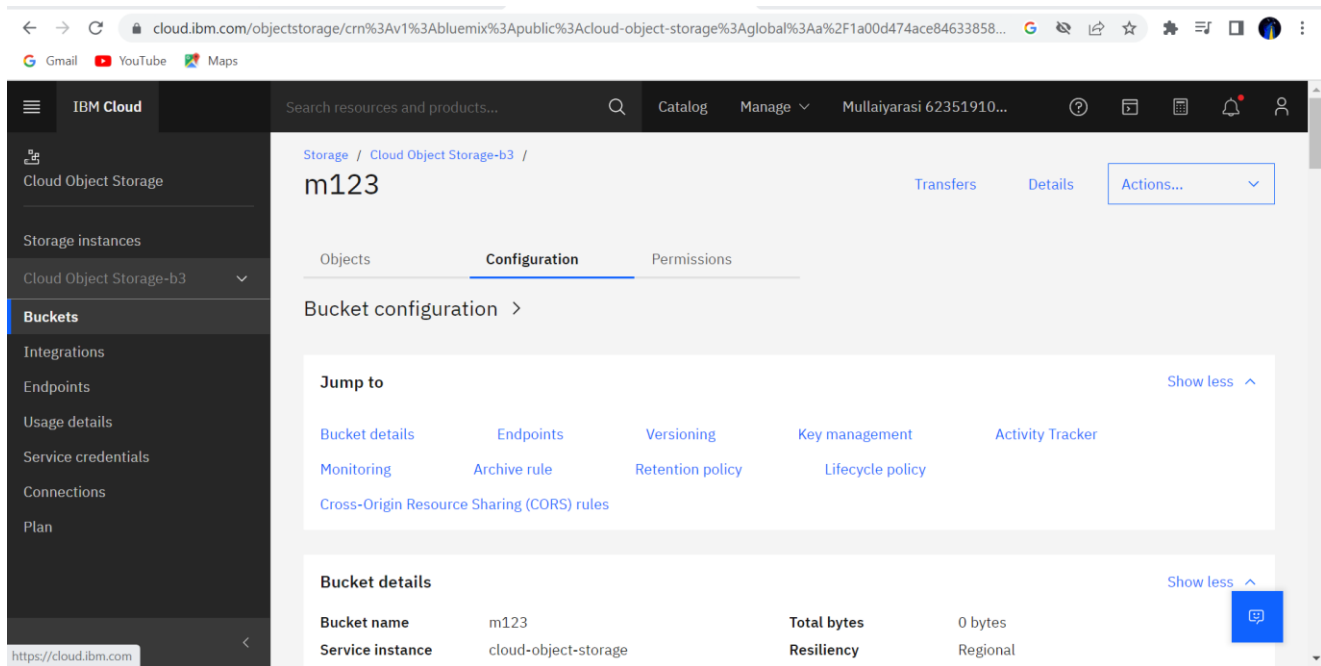
Name	Public access	Location	Storage class	Created
 <p>Buckets</p> <p>Get started by creating a bucket to store unstructured data. A bucket is a container for your data.</p>				



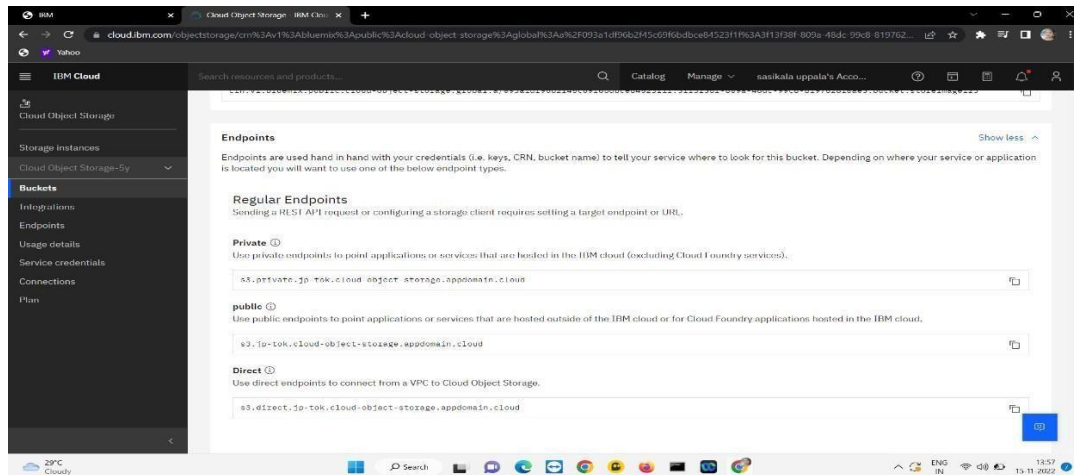
Step 7 : Then you get observe bucket is created successfully. And to store the images drag anddrop files shown in below picture.



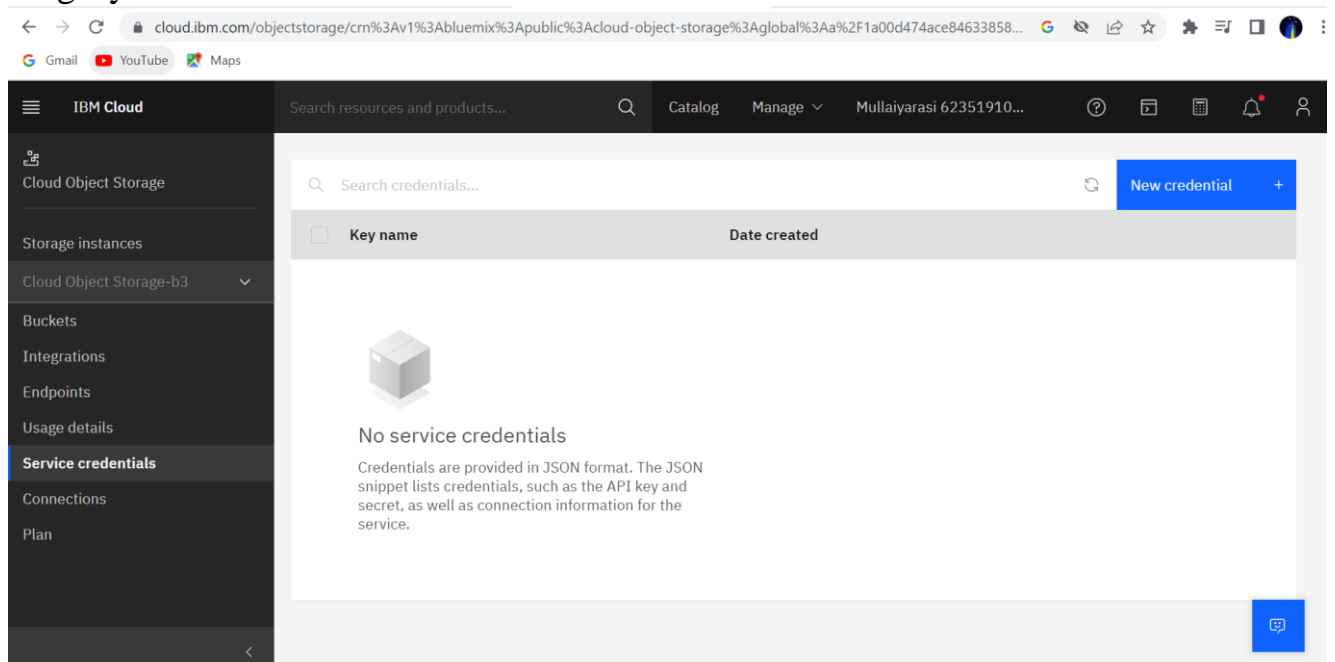
Step 8: Now you can see observe configuration settings as shown.



Step 9: Here you can see the endpoints which is used for programming.



Step 10: The important part is service credentials for programming integrity.



Now click on create credential then you get this the figure below and remember those for programming.

The screenshot shows the IBM Cloud console interface. The left sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage instances, Cloud Object Storage-b3, Buckets, Integrations, Endpoints, Usage details, Service credentials (highlighted), Connections, and Plan. The main content area is titled 'Service credentials' and includes a search bar and a 'New credential' button. A table lists the credentials, with one entry 'Service credentials-1' created on 2022-11-19 at 8:32 PM. The details of this credential are displayed in a code block, showing a JSON object with fields for apikey, endpoints, iam_apikey_description, iam_apikey_name, iam_role_crn, iam_serviceid_crn, serviceid, and resource_instance_id.

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3AAa%2F1a00d474ace84633858...

IBM Cloud

Search resources and products...

Catalog Manage Mullaiyarasi 62351910...

Cloud Object Storage

Storage instances

Cloud Object Storage-b3

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

New credential +

Key name	Date created
Service credentials-1	2022-11-19 8:32 PM

```
{
  "apikey": "UE50s9DDcg3up3AaEQMI3Hk0W2XYaNjU81FbWbm1LNI0",
  "endpoints": "https://control.cloud-object-storage.cloud.ibm.com/v2/endpoints",
  "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloud-object-storage:global:a/1a00d474ace846338589e83bc4ae4e37:a681e145-b4dc-484e-995a-cd8b886ebbe2:resource-key:d5c4f7ab-a423-49bb-8cf6-2f941050fec0",
  "iam_apikey_name": "Service credentials-1",
  "iam_role_crn": "crn:v1:bluemix:public:iam:::serviceRole:Writer",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity::a/1a00d474ace846338589e83bc4ae4e37::serviceid:ServiceId-8262bd13-9688-4cdf-b7f6-7ac823b0b15d",
  "resource_instance_id": "crn:v1:bluemix:public:cloud-object-storage:global:a/1a00d474ace846338589e83bc4ae4e37:a681e145-b4dc-484e-995a-cd8b886ebbe2::"
}
```

