

# Create and Configure IBM Cloud Services

## Create a Cloud Object Storage Service

**Team ID :** PNT2022TMID12758

**Project Name:** IoT Based Smart Crop Protection System for Agriculture

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The screenshot shows the IBM Cloud console interface for creating a new Cloud Object Storage service. The main panel displays three pricing plans: Lite, Standard, and One Rate. The Lite plan is selected, showing its details: it is free, allows up to 25 GB of storage capacity, and includes 2,000 Class A requests and 10 GB of data retrieval. The Standard and One Rate plans are also listed with their respective details and links to view storage class pricing. Below the plan selection, the 'Configure your resource' section shows the service name 'Cloud Object Storage-9c' and the resource group 'Default'. A 'Tags' section is also visible with the example tag 'env:dev, version-1'. On the right side, a 'Summary' panel provides a quick overview of the configuration: Cloud Object Storage, Free, Region: Global, Plan: Lite, Service name: Cloud Object Storage-9c, and Resource group: Default. At the bottom of the summary panel, there is a blue 'Create' button and a grey 'Add to estimate' button. A 'View terms' link is located at the very bottom of the summary panel.

Plan	Description	Price
Lite	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.	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.	View storage class pricing
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 percent of their storage capacity.	View storage class pricing

Configure your resource

Service name: Cloud Object Storage-9c

Select a resource group: Default

Tags: Examples: env:dev, version-1

Summary

Cloud Object Storage **Free**

Region: Global

Plan: Lite

Service name: Cloud Object Storage-9c

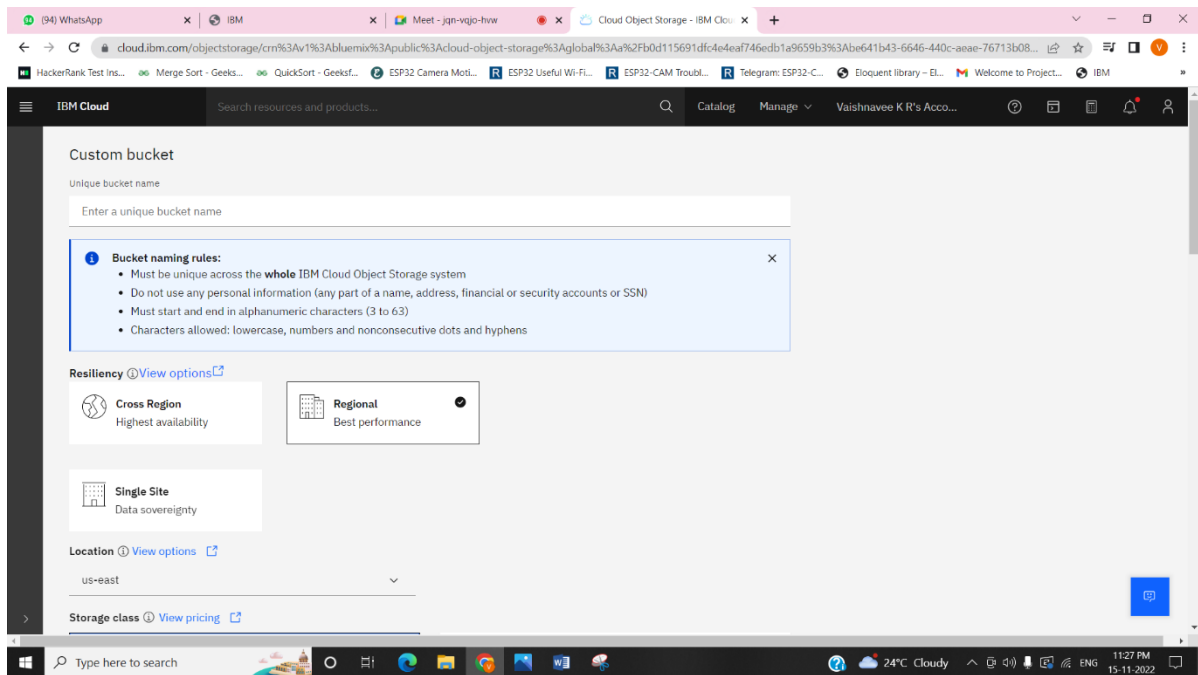
Resource group: Default

Create

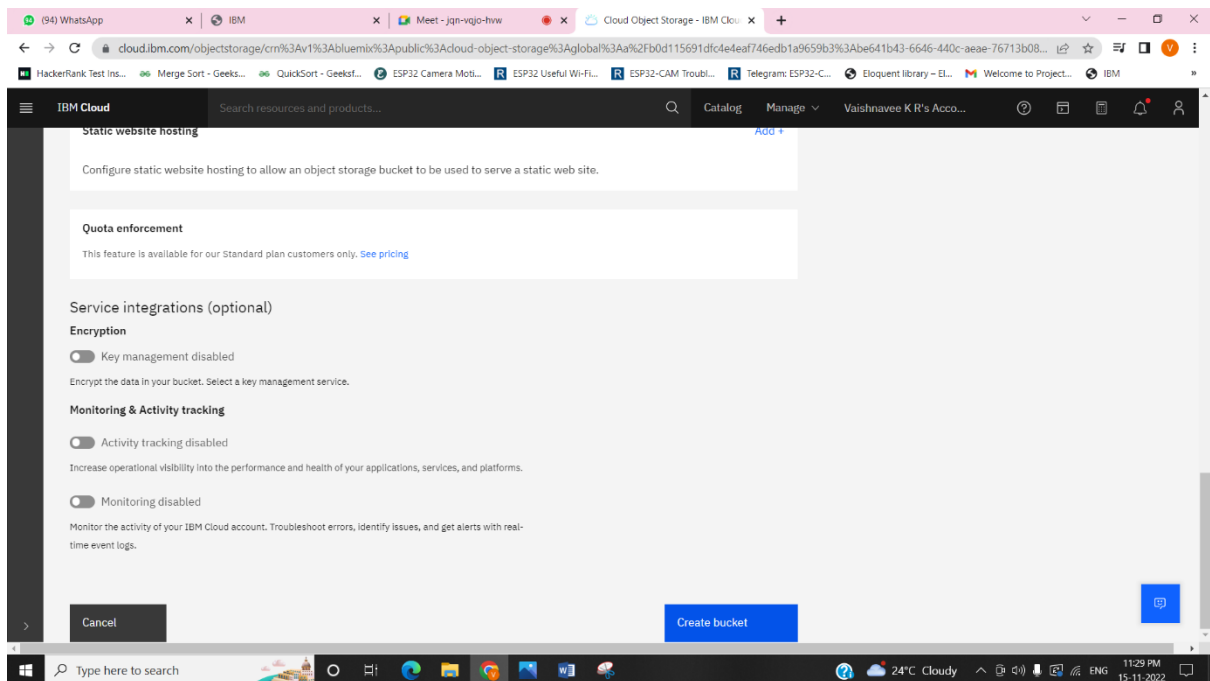
Add to estimate

View terms

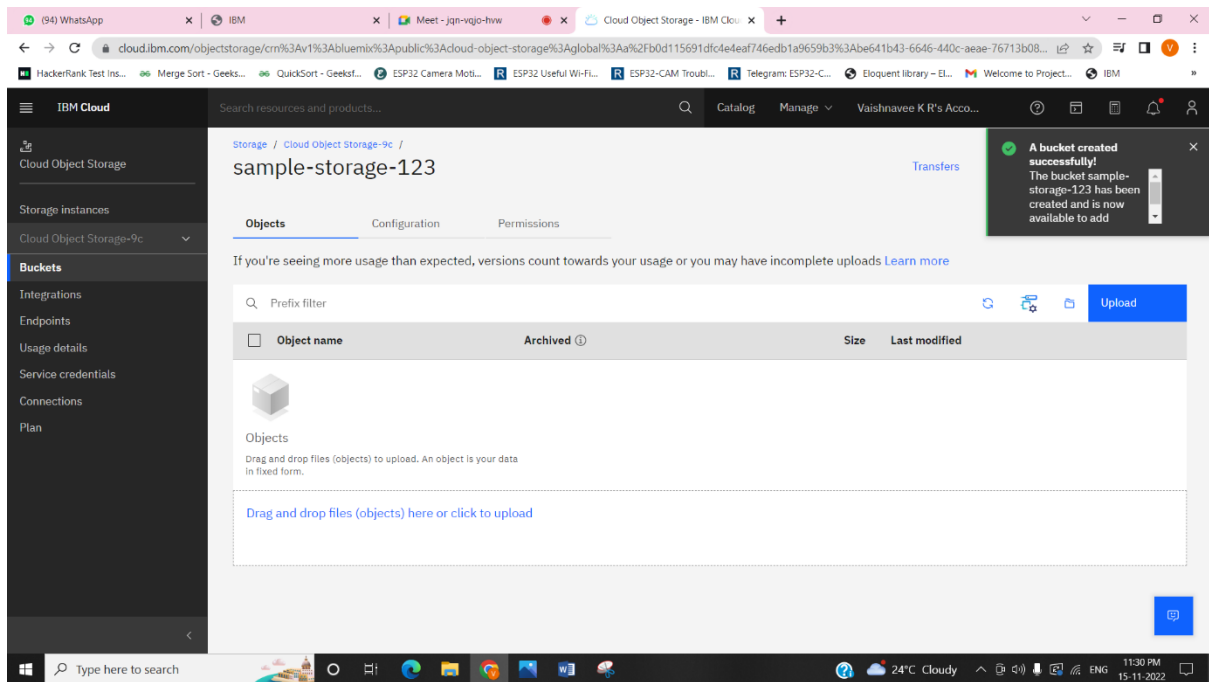
Configure and Click on Create



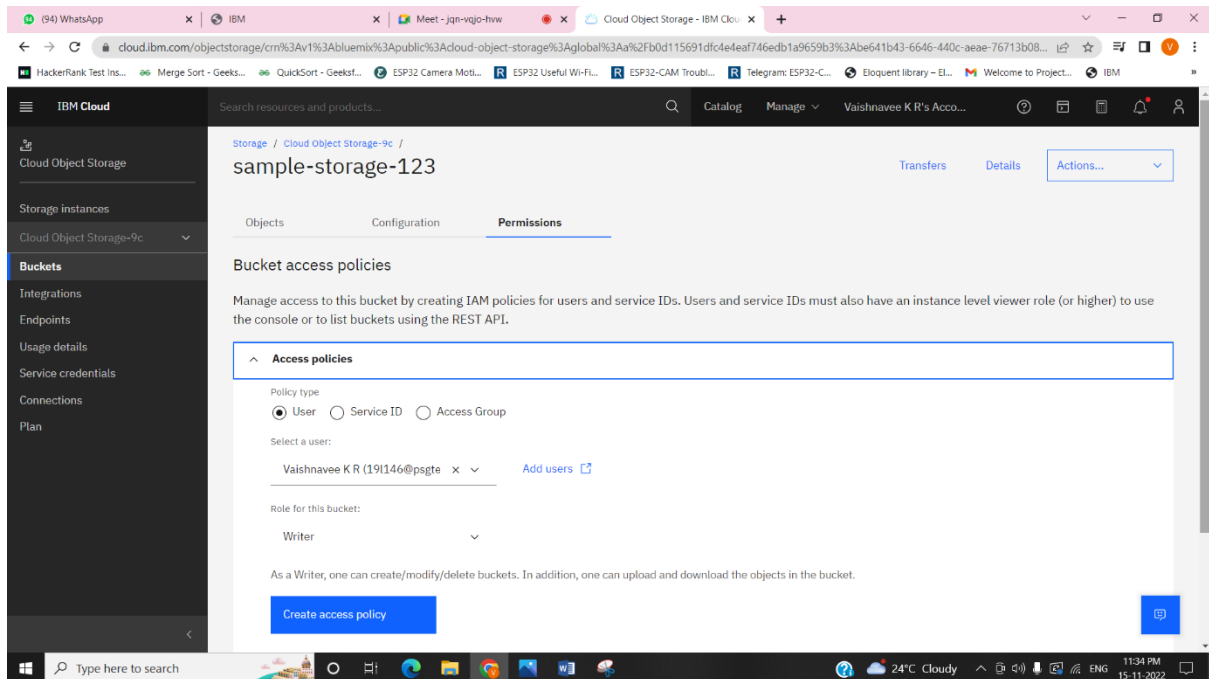
## Customizing the Bucket



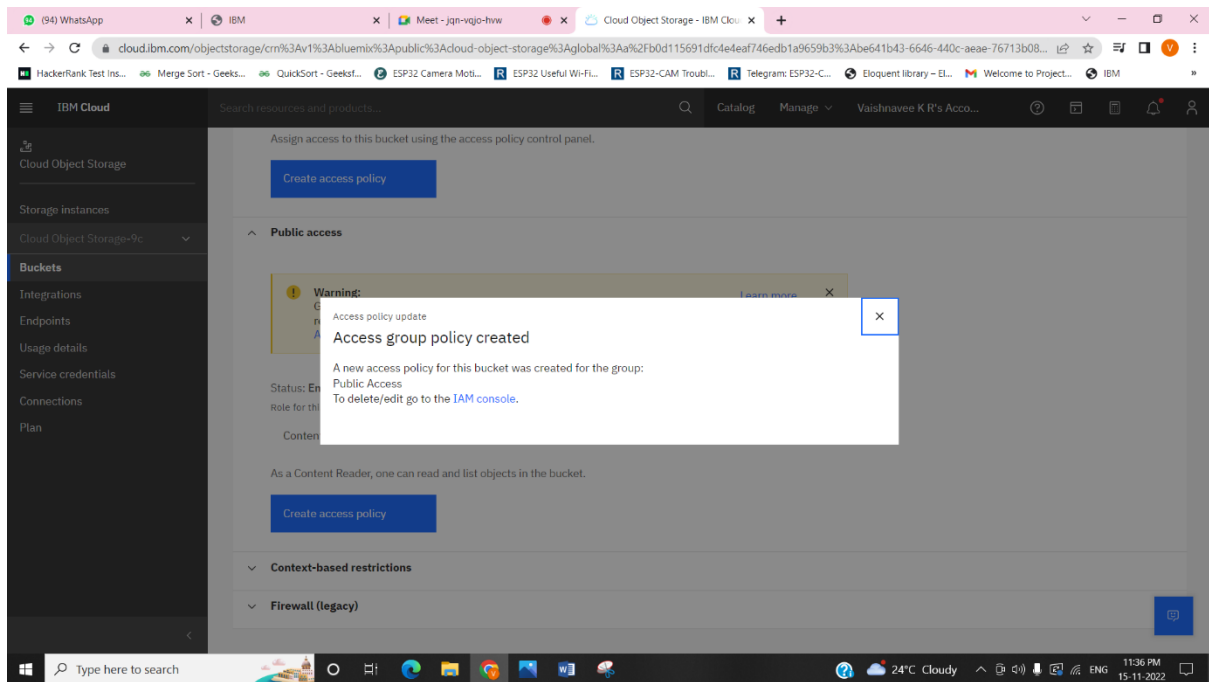
## Create the Bucket



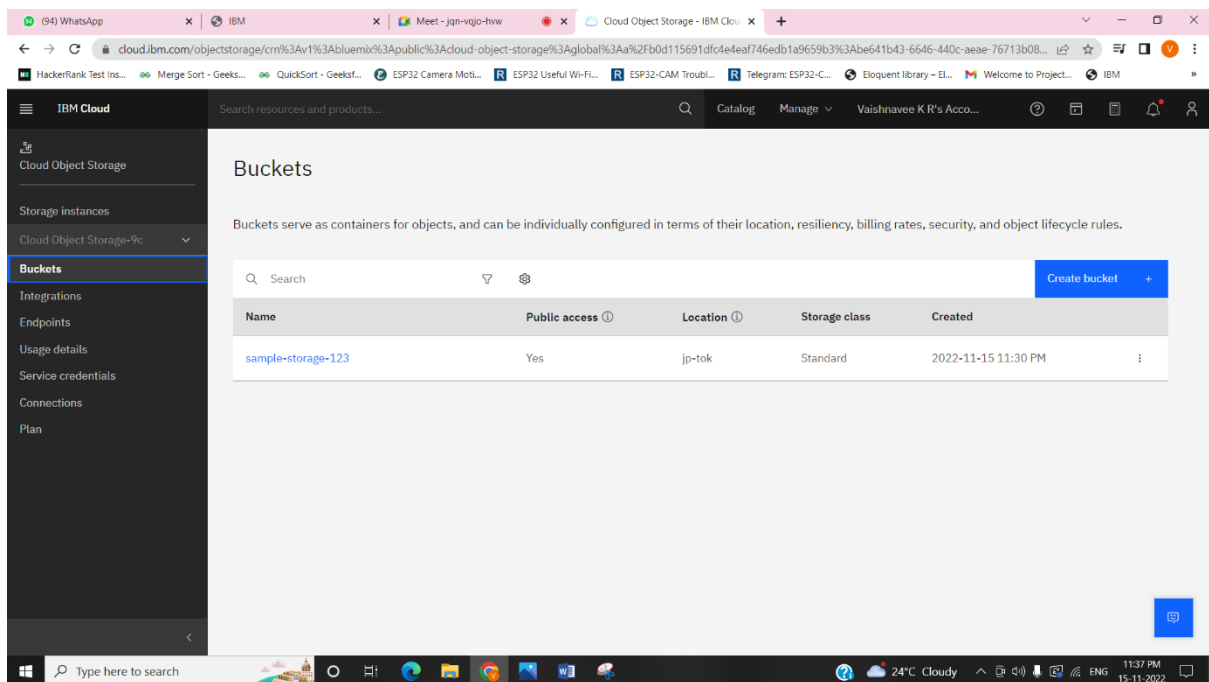
Bucket named 'sample-storage-123' is created



Change the Access Group policies (who can access the bucket)



Access group policy is updated



Access policy for the customized Bucket is updated as Public

Endpoints

Endpoints are used with your credentials (Bucket name, API Key, SDK) to tell your service where to look for your bucket. Choose an endpoint URL that is located in the same region as your service or application. [Learn more](#)

Select resiliency: Cross Region (dropdown)  
Select location: ap-geo (dropdown)

	public	Private	Direct
ap-geo	s3.ap.cloud-object-storage.appdomain.cloud	s3.private.ap.cloud-object-storage.appdomain.cloud	s3.direct.ap.cloud-object-storage.appdomain.cloud
Tokyo	s3.tok.ap.cloud-object-storage.appdomain.cloud	s3.private.tok.ap.cloud-object-storage.appdomain.cloud	s3.direct.tok.ap.cloud-object-storage.appdomain.cloud
Seoul	s3.seo.ap.cloud-object-storage.appdomain.cloud	s3.private.seo.ap.cloud-object-storage.appdomain.cloud	s3.direct.seo.ap.cloud-object-storage.appdomain.cloud
Hong Kong	s3.hkg.ap.cloud-object-storage.appdomain.cloud	s3.private.hkg.ap.cloud-object-storage.appdomain.cloud	s3.direct.hkg.ap.cloud-object-storage.appdomain.cloud

Endpoints are displayed

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... (input field) [New credential] (+)

Key name	Date created
Service credentials-1	2022-11-15 11:38 PM

```
{
  "apikey": "hrbYPNE6HNZ1sJTXXVQVnZdQmpoopbxzWVey6FYTpXd",
  "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/b0d115691dfc4e4eaf746edb1a9659b3:be641b43-6646-440c-aae-76713b083bd:resource-key:4e9c1447-147f-41c2-b65c-644558fa23eb",
  "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/b0d115691dfc4e4eaf746edb1a9659b3:serviceid:ServiceId-cfea0eb3-7a97-4305-91bc-2a52fbb39f1a",
  "resource_instance_id": "crn:v1:bluemix:public:cloud-object-storage:global:a/b0d115691dfc4e4eaf746edb1a9659b3:be641b43-6646-440c-aae-76713b083bd:"
}
```

Service Credentials are also displayed from which important informations like API Keys and others can be taken