

SPRINT-2

CREATION OF CLOUD OBJECT STORAGE SERVICE

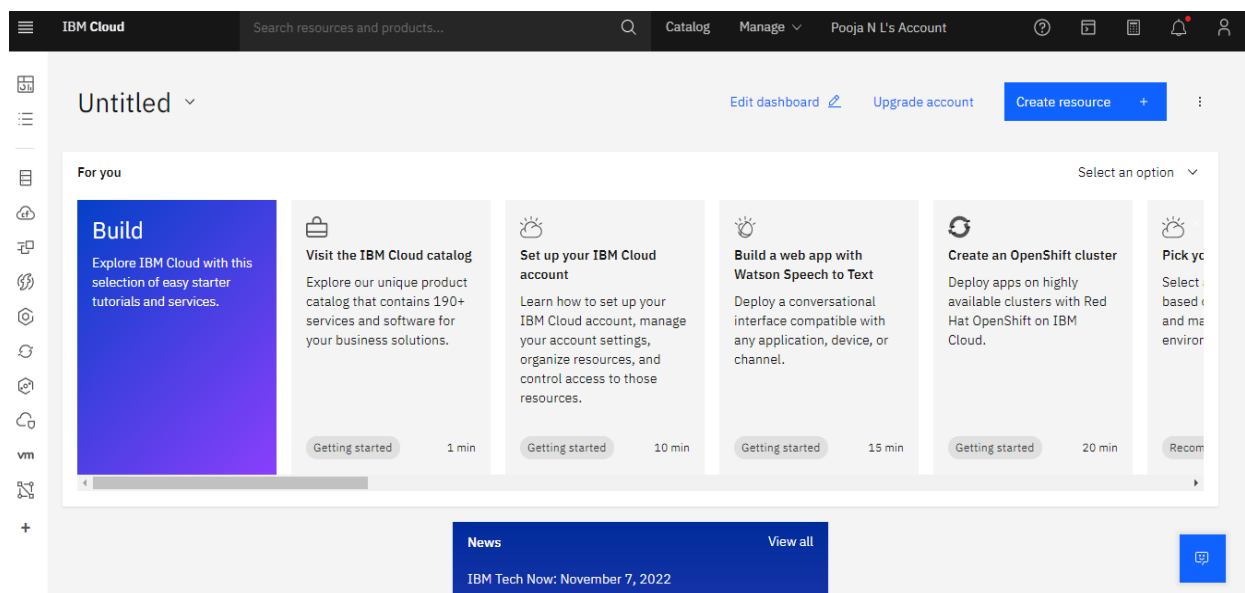
TEAM ID	PNT2022TMID44357
PROJECT DOMAIN	INTERNET OF THINGS
PROJECT TITLE	IoT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE
DATE	05 NOVEMBER 2022

IBM Cloud provides solutions that enable higher levels of compliance, security, and management, with proven architecture patterns and methods for rapid delivery for running mission-critical workloads.

Create a cloud object storage service, create a bucket to store the images, and configure the bucket settings.

STEP 1:

- IBM cloud account creation.



STEP 2:

- Choose object storage from the storage under services and give the service name and click create option.

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.

Plan	Description	Link
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:

Select a resource group:

Tags:

Summary

Cloud Object Storage **Free**

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

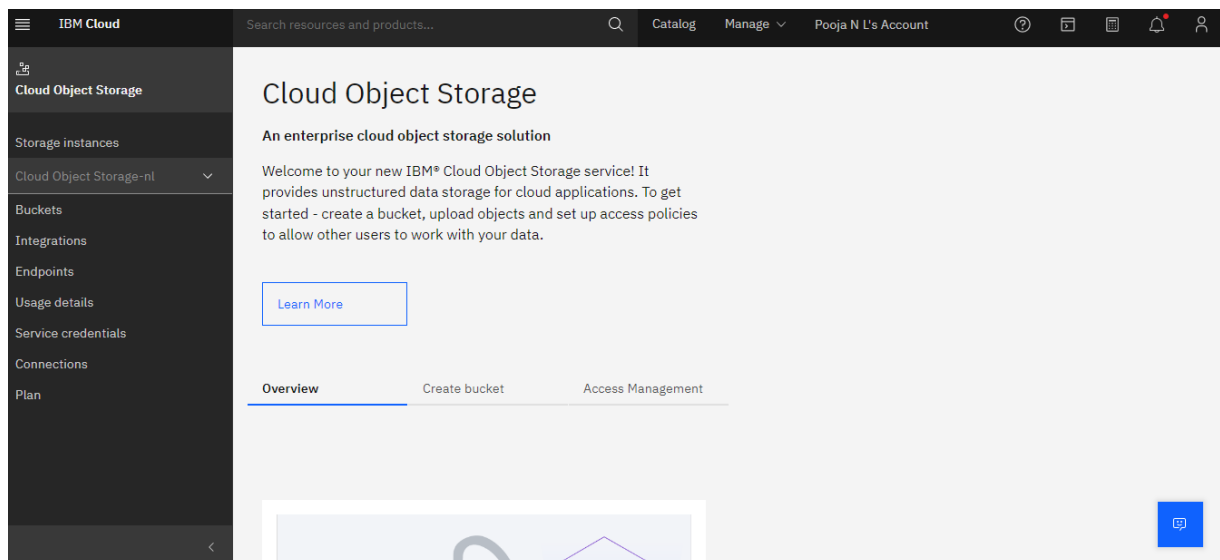
[Create](#)

[Add to estimate](#)

[View terms](#)

STEP 3:

- Then cloud object storage is created.



STEP 4:

- Creating a bucket to store the files and data.

IBM Cloud

Search resources and products...

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Custom bucket

Unique bucket name

1805rp

Bucket naming rules:

- Must be unique across the **whole** IBM Cloud Object Storage system
- Do not use any personal information (any part of a name, address, financial or security accounts or SSN)
- Must start and end in alphanumeric characters (3 to 63)
- Characters allowed: lowercase, numbers and nonconsecutive dots and hyphens

Resiliency [View options](#)

Cross Region
Highest availability

Regional
Best performance

Single Site
Data sovereignty

Location [View options](#)

Create bucket

- After creating a bucket, we can upload the files needed.

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Cloud Object Storage

Storage instances

Cloud Object Storage-nl

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

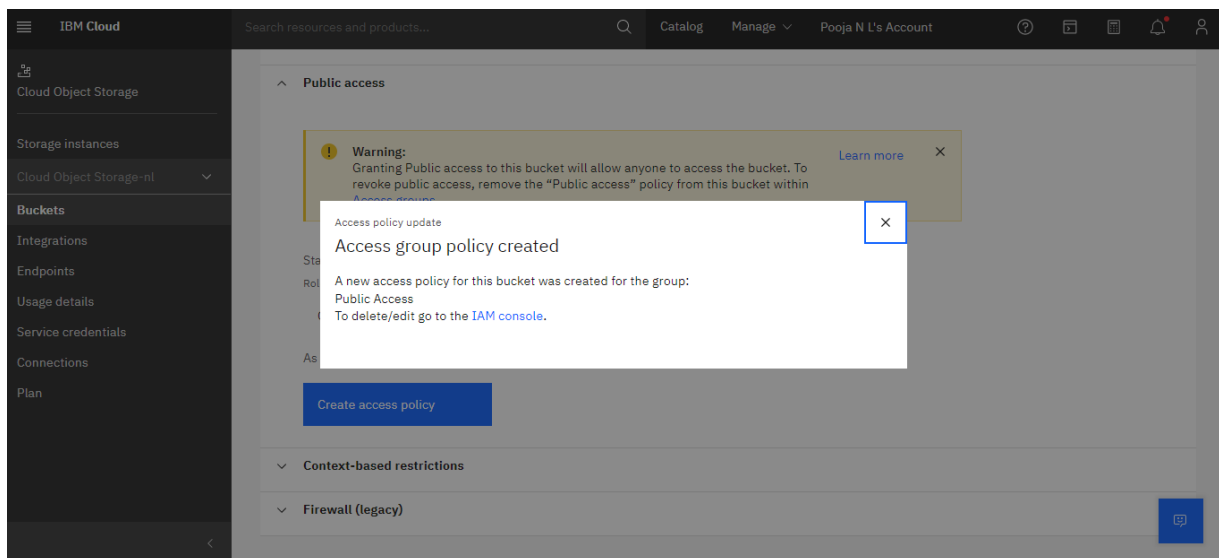
Create bucket +

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

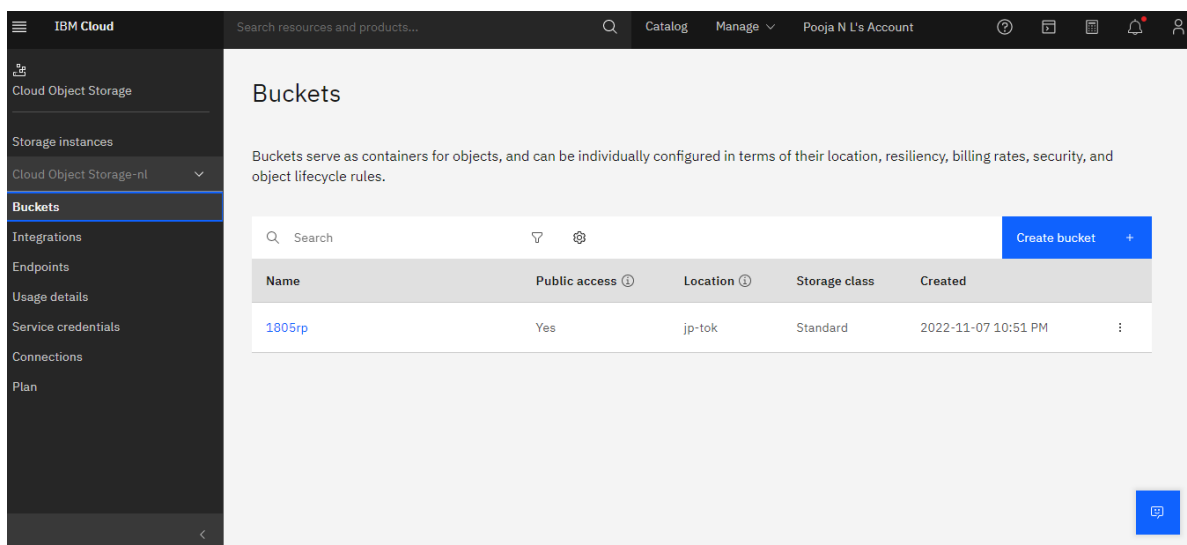
Create bucket

STEP 5:

- Creating the access policies.



- Public access is given to the bucket.



- Accessing the service credentials.

The screenshot shows the IBM Cloud console interface. On the left is a navigation sidebar with options like Cloud Object Storage, Buckets, and Service credentials. The main panel is titled 'Service credentials' and includes a search bar and a 'New credential' button. A table lists existing credentials, with 'Service credentials-1' selected. A dropdown menu is open for this entry, displaying its JSON configuration details.

Key name	Date created
Service credentials-1	2022-11-07 11:12 PM

```
{
  "apikey": "vaStpUZterW0b_ocUEXKnL0rYG1V0i4uRb0JfA50Ie0H",
  "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/5d219564b81944c88a560448974aaa55:1c5d96d2-fd40-4e4e-b269-90e0f1b62e03:resource-key:41d005c3-443a-4b8d-9701-ee59603b37bd",
  "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/5d219564b81944c88a560448974aaa55::serviceid:ServiceId-eb56ef2b-9818-42a9-89bb-6c0559a26d1e",
  "resource_instance_id": "crn:v1:bluemix:public:cloud-object-storage:global:a/5d219564b81944c88a560448974aaa55:1c5d96d2-fd40-4e4e-b269-90e0f1b62e03:"
}
```