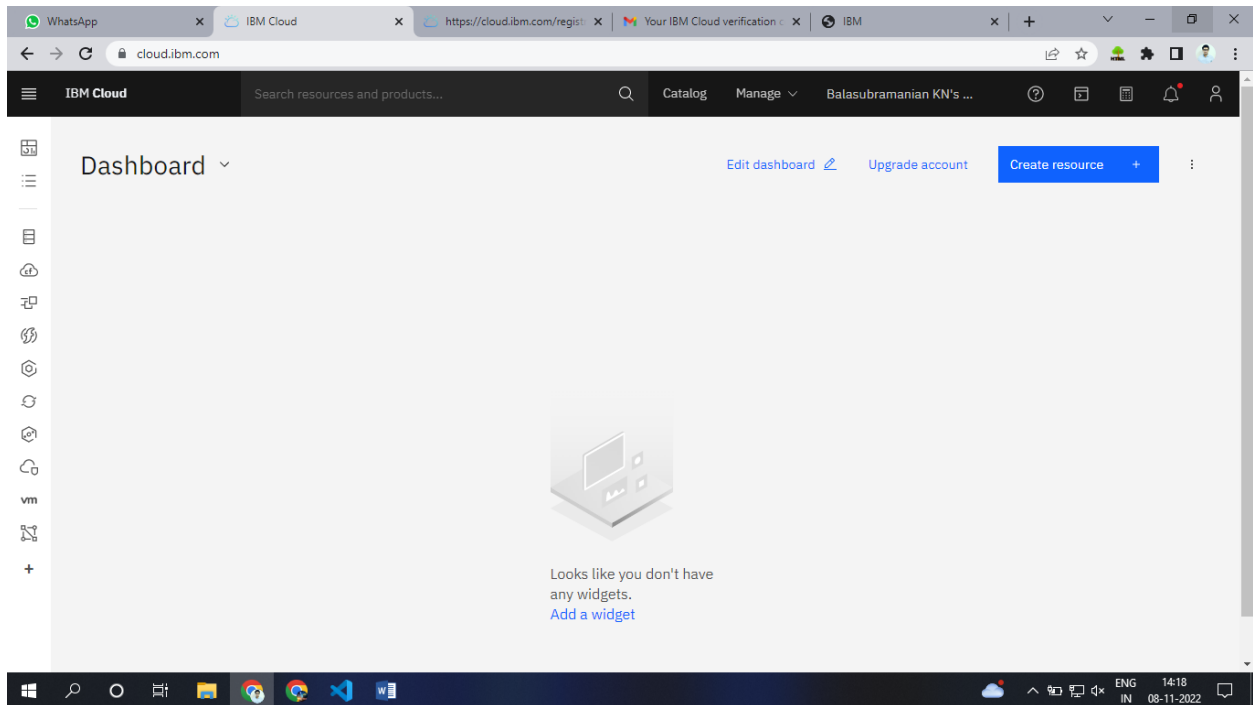


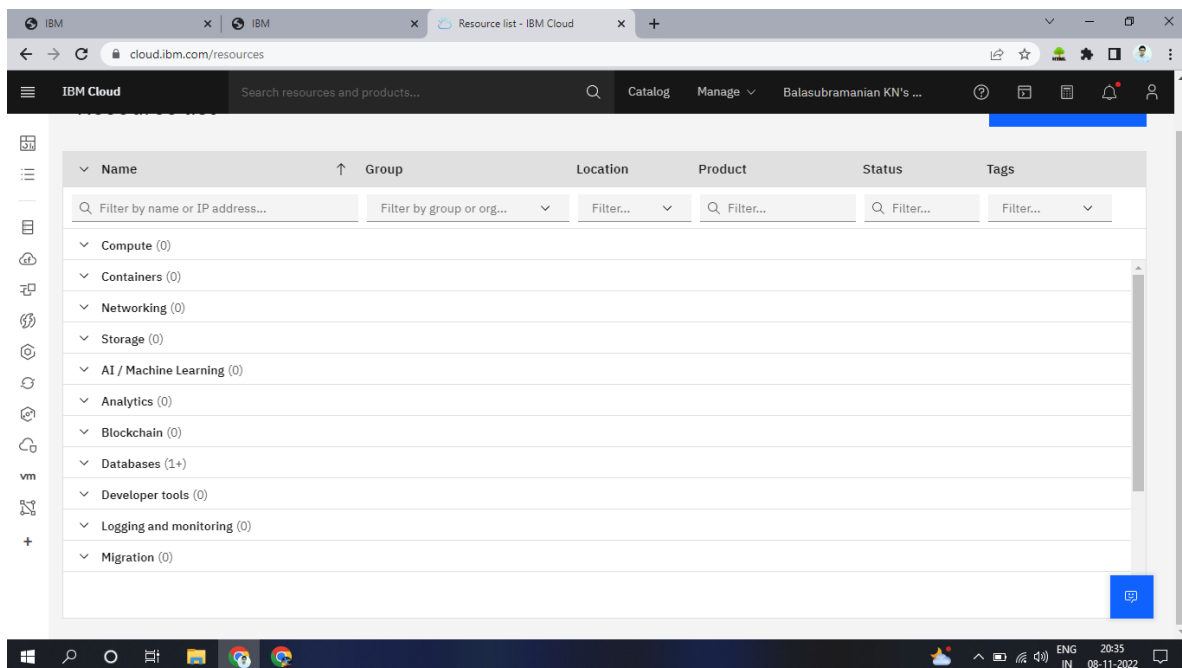
# Sprint – 3

## Cloudant DB

Register and Login to IBM Cloud:



Creating Service instance:



## Status of Created Instance:

The screenshot shows the IBM Cloud Service Details page for a Cloudant instance named 'Cloudant-aa'. The instance is in an 'Active' state. The left sidebar contains a 'Manage' section with links for 'Service credentials', 'Plan', and 'Connections'. The main content area has tabs for 'Overview', 'Capacity', and 'Docs'. The 'Overview' tab is selected, displaying 'Deployment details'.

**Deployment details:**

- CRN:** crn:v1:bluemix:public:cloudantnosqldb:us-south:a/9a4cc695ee6248b2b910699844e8226a:356718d7-2f27-4456-b6e0-b9fd2aeb4ea9::
- Location:** Dallas
- External endpoint:** <https://9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix.cloudant.com>
- External endpoint (preferred):** <https://9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix.cloudantnosqldb.appdomain.cloud>
- Authentication methods:** [IBM Cloud IAM](#)
- Activity Tracker event types:** Management (dropdown menu)

A 'Launch Dashboard' button is visible in the top right corner of the main content area.

## Creating Service Credentials:

The screenshot shows the IBM Cloud Service Credentials page. The left sidebar has a 'Manage' section with links for 'Service credentials', 'Plan', and 'Connections'. The main content area is titled 'Service credentials' and includes a description: '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](#)'. A 'New credential' button is in the top right.

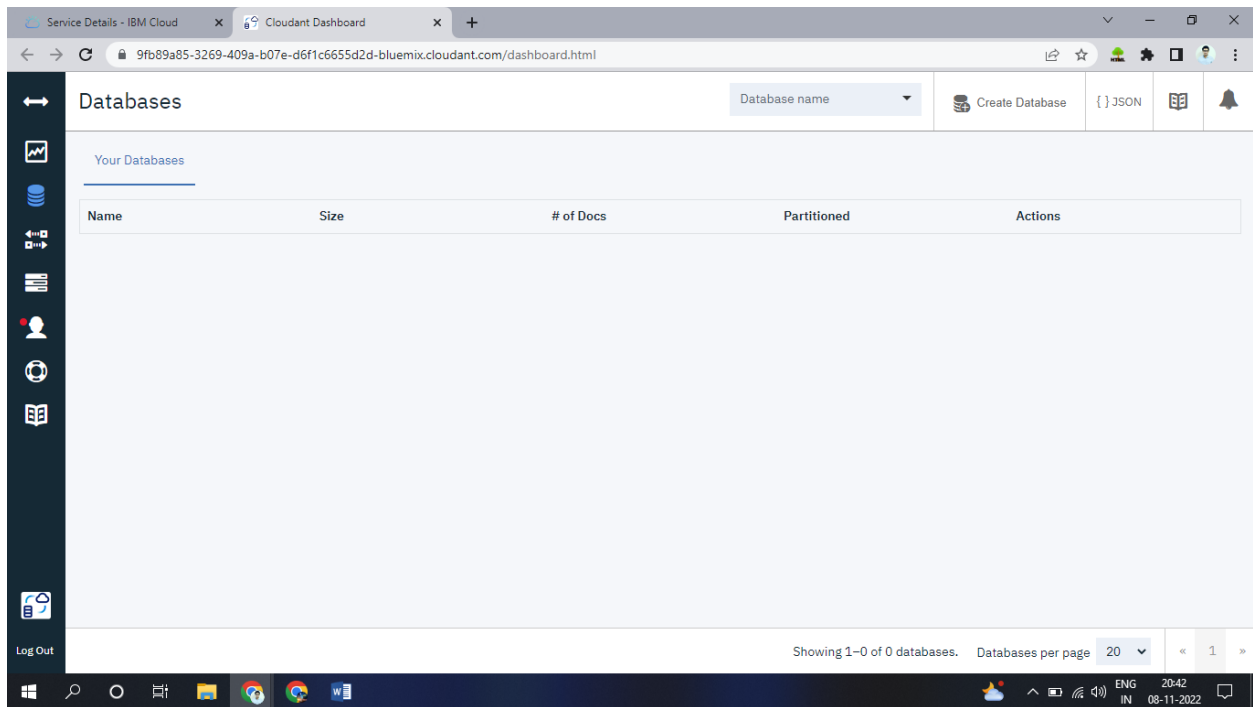
Below the description is a table of existing credentials:

Key name	Date created
Service credentials-1	2022-11-08 8:39 PM

The 'Service credentials-1' entry is selected, and its details are shown in a code block:

```
{
  "apikey": "ivgHwv06hgCJkUfRvXyTKjJ5paxq6E14LniER2zT_mc7",
  "host": "9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix.cloudantnosqldb.appdomain.cloud",
  "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloudantnosqldb:us-south:a/9a4cc695ee6248b2b910699844e8226a:356718d7-2f27-4456-b6e0-b9fd2aeb4ea9:resource-key:acc563e3-74d7-4c06-9865-9e107790795a",
  "iam_apikey_name": "Service credentials-1",
  "iam_role_crn": "crn:v1:bluemix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity::a/9a4cc695ee6248b2b910699844e8226a::serviceid:ServiceId-f8d49387-dc37-461b-a7e9-5f335cd8c31a",
  "url": "https://9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix.cloudantnosqldb.appdomain.cloud",
  "username": "9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix"
}
```

## Launch Cloudant Db:



Note: This is empty because the database has not been created yet.

## Database Creation:

#code for database creation in python




```
from cloudant.client import Cloudant
```

```
ACCOUNT_NAME, API_KEY="9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix",  
"ivgHwvQ6hgCJKUFrvXyTKjJ5paxq6EI4LniER2zT_mc7"
```

```
client = Cloudant.iam(ACCOUNT_NAME, API_KEY, connect=True)
```

```
my_database=client.create_database('my_database1')
```

The screenshot displays the IBM Cloudant Databases dashboard. The browser's address bar shows the URL: `9fb89a85-3269-409a-b07e-d6f1c6655d2d-bluemix.cloudant.com/dashboard.html`. The dashboard header includes a 'Databases' title, a 'Database name' dropdown, and buttons for 'Create Database', 'JSON', and a book icon. Below the header, a section titled 'Your Databases' contains a table with the following data:

Name	Size	# of Docs	Partitioned	Actions
my_database	0 bytes	0	No	  

At the bottom of the dashboard, it states 'Showing 1-1 of 1 databases.' and 'Databases per page' is set to 20. The left sidebar contains various navigation icons, and the bottom of the image shows the Windows taskbar with the time 21:50 on 08-11-2022.