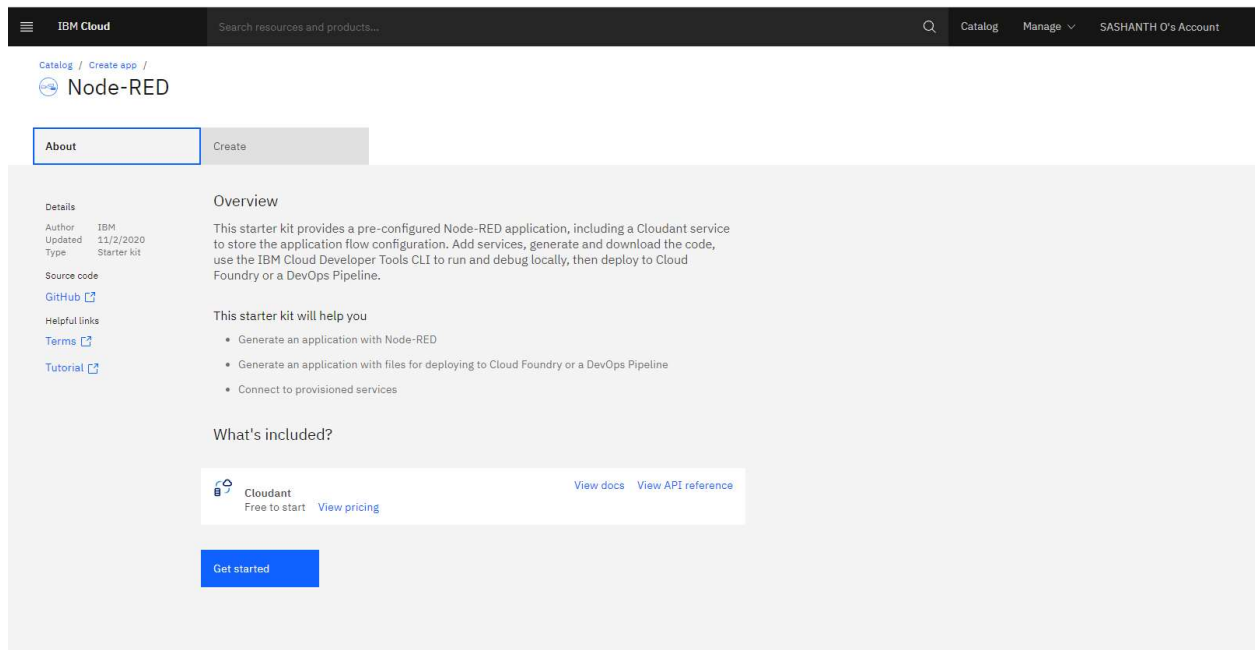


Creating Node-RED Service

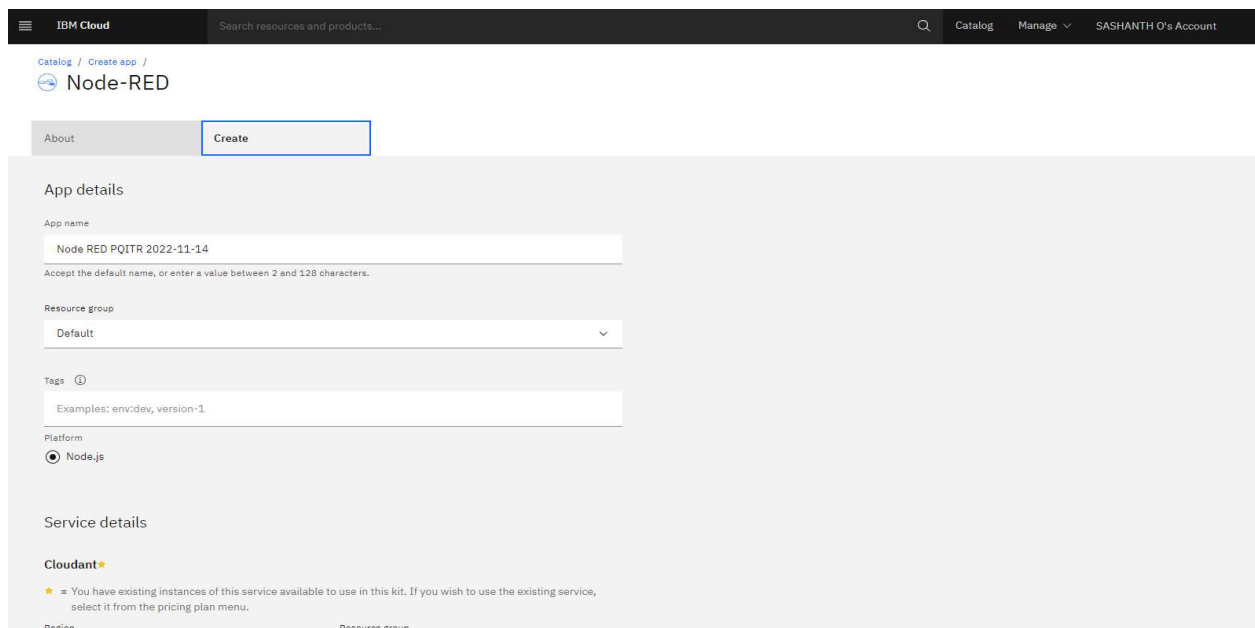
Date:	15 th November 2022
Team ID	PNT2022TMID27964
Project Name	Project – Smart Farmer- IoT basedSmartFarmingApplication

Steps followed:

- Navigated to the App creation page



- Entered project details and clicked on create



- Click on the “Deploy your App” Button

Node RED IUOOE 2022-11-14 Add tags

Details

App URL: You must deploy your app first

Source: [Download code](#)

Resource group: [Default](#)

Deployment target: You must deploy your app first

Created: 15/11/2022

Services

Cloudant

[Open dashboard](#) [Documentation](#) [API reference](#)

[Connect existing services](#) [Create service](#)

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

[Deploy your app](#)

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more](#).
2. If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.
3. Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL.
5. If you make any changes to your app, be sure to deploy it again.

Building, running, and deploying your app locally

To build and run your app locally:

1. Run the `ibmcloud dev code <APPNAME>` command from the IBM Cloud CLI. [Learn more](#).
2. Run the following commands in a local development container from the app directory:

```
ibmcloud dev build
ibmcloud dev run
ibmcloud dev deploy
```

- Set up the environment in node.js by respective commands and deploy the app. Now a unique link will be generated which can be launched to open node red.

Service Details - IBM Cloud | IBM Watson IoT Platform | Node-RED | (123) IBM iot to Nodered data tr...

127.0.0.1:1880/#flow/994bef3700c3bbba

Node-RED

Flow 1 | Flow 2

debug 1

IBM IoT

temperature

humidity

debug 1

11/16/2022, 10:53:22 PM node: debug 1
iot.
2/type/smart_farming/id/69696969/evf/loTSensorfntjso
n : msg.payload : number
93

11/16/2022, 10:53:32 PM node: debug 1
iot.
2/type/smart_farming/id/69696969/evf/loTSensorfntjso
n : msg.payload : Object
{ temp: 106, Humid: 66 }

11/16/2022, 10:53:33 PM node: debug 1
iot.
2/type/smart_farming/id/69696969/evf/loTSensorfntjso
n : msg.payload : number
106

11/16/2022, 10:53:34 PM node: debug 1
iot.
2/type/smart_farming/id/69696969/evf/loTSensorfntjso
n : msg.payload : number
66

- Dragged and dropped components into the editor and after and after editing some values of the properties we get the final application.

