

# **Delivery Sprint-2**

## **IoT based Smart crop protection system for Agriculture**

**TEAM ID:PNT2022TMID45173**

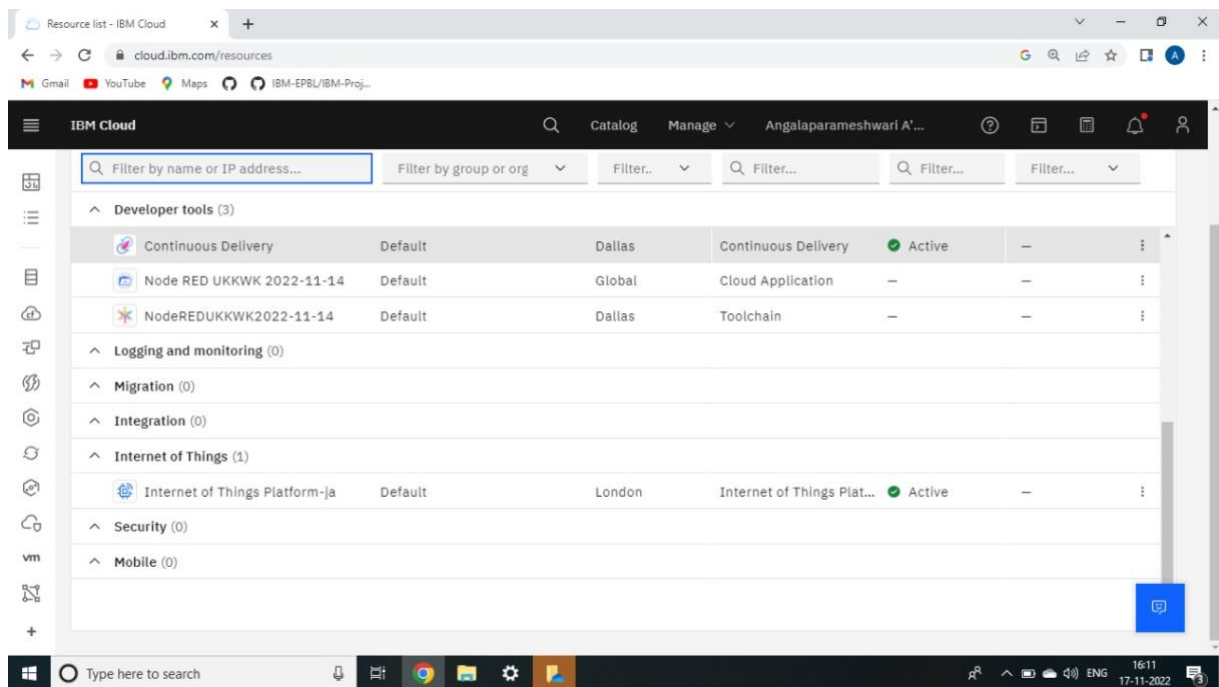
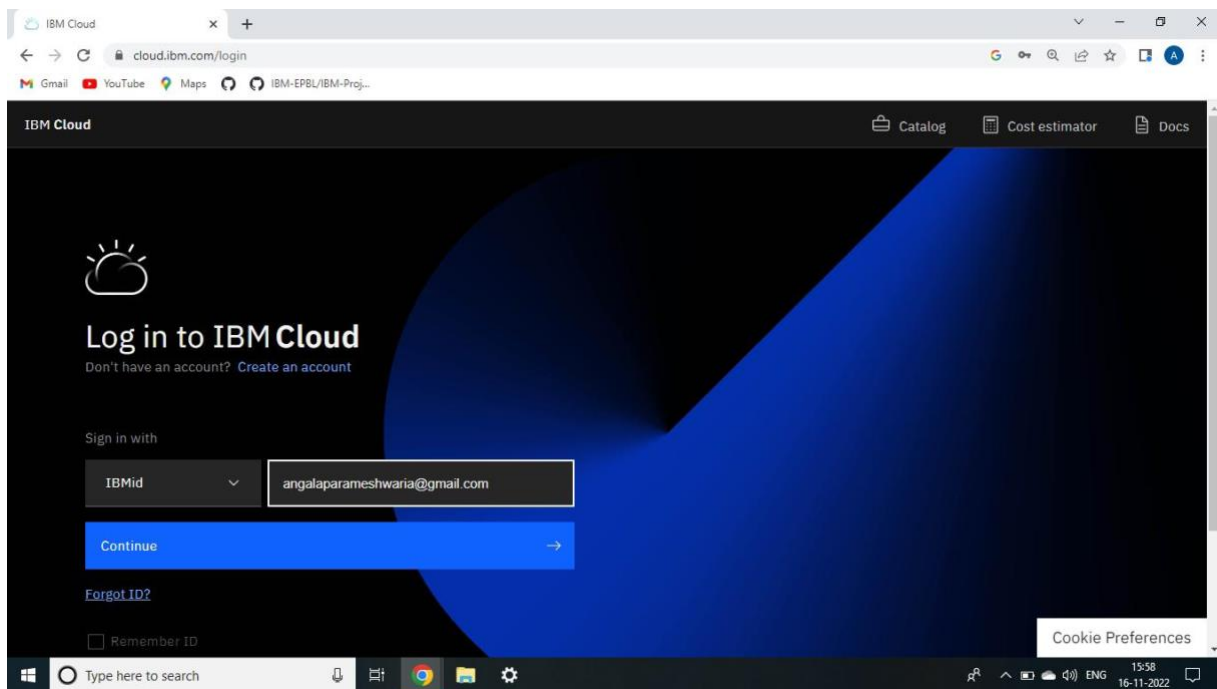
### **Sprint-2**

Software (Create device in the IoT Watson platform, workflow for IoT scenarios using Node-Red)

### **STEPS**

- 1) Create a IBM Cloud account using the instructions given by tutorial instructors / watching the manual in the Drive Documents.
- 2) Then Login to the IBM Cloud and it open to the Dashboard.
- 3) Create a IoT Service and save the individual credential shown in the display.
- 4) Launch the IBM IoT Watson Platform and Create a new device and save the credential for future references.
- 5) Add new device and code the program for the module / project and save it.
- 6) Finally Simulate using the device simulator and create the board to show the data's in output of the event flow.
- 7) Then create a Node-Red flow using the required credential like shown in the tutorial as a reference.
- 8) Connect the Node-Red with IBM IoT Watson with the required API Key information and deploy the Node-Red for the Data to show.

### **THE PROCESS**



Service Details - IBM Cloud

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2F5e30a9858c9548ba82f24b4b7c18b83e%3A66af0eec...

IBM Cloud

Resource list /


Internet of Things Platform-ja Active Add tags

Details Actions...

Manage

Plan

Connections



Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

[Launch](#) [Docs](#)

Ready for the next level?

IBM Watson IoT Platform Journey

Service Details - IBM Cloud

IBM Watson IoT Platform

internetofthings.ibmcloud.com

IBM Watson IoT Platform

Sign in

Collect data from **Equipment** and make value from it

Learn More

Service Details - IBM Cloud x IBM Watson IoT Platform x +

rvp7mx.internetofthings.ibmcloud.com/dashboard/devices/browse

Gmail YouTube Maps IBM-EPBL/IBM-Proj...

IBM Watson IoT Platform

angalaparameshwaria@gmail.com ID: rvp7mx

Browse Action Device Types Interfaces

Add Device +

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 2, 2022 12:17 PM

Items per page 50 | 1-1 of 1 item 1 of 1 page

Type here to search

16:09 16-11-2022

Service Details - IBM Cloud x IBM Watson IoT Platform x +

rvp7mx.internetofthings.ibmcloud.com/dashboard/devices/browse

Gmail YouTube Maps IBM-EPBL/IBM-Proj...

IBM Watson IoT Platform

angalaparameshwaria@gmail.com ID: rvp7mx

Browse Action Device Types Interfaces

Add Device +

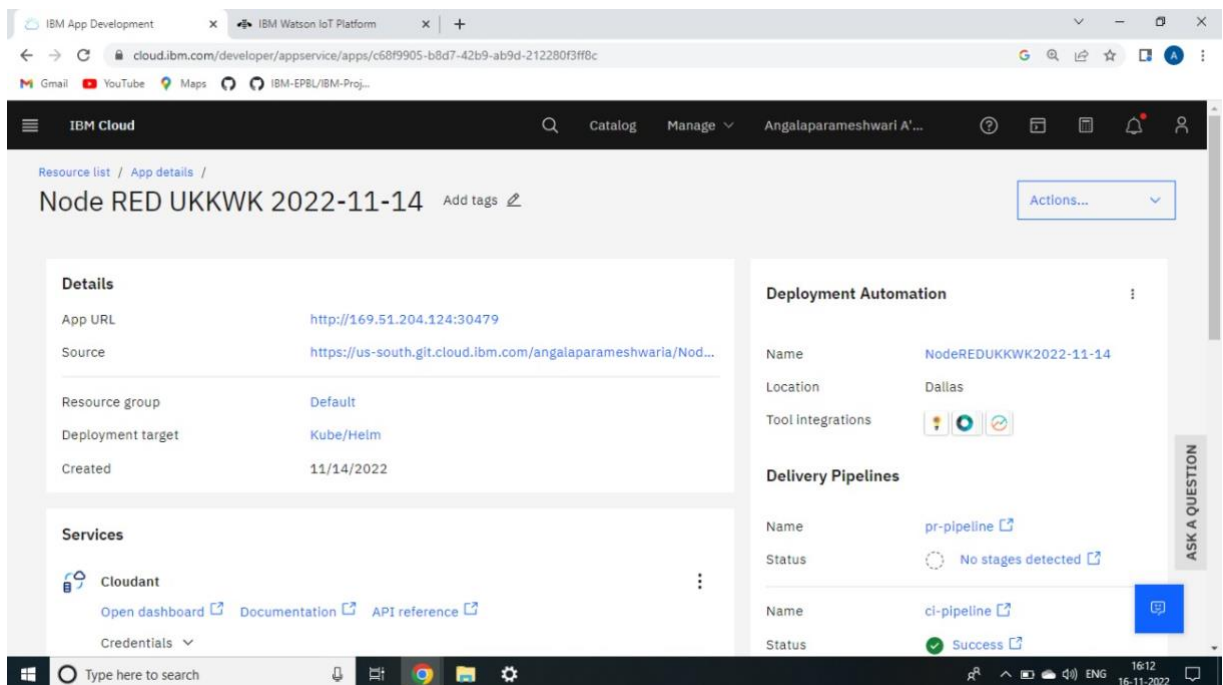
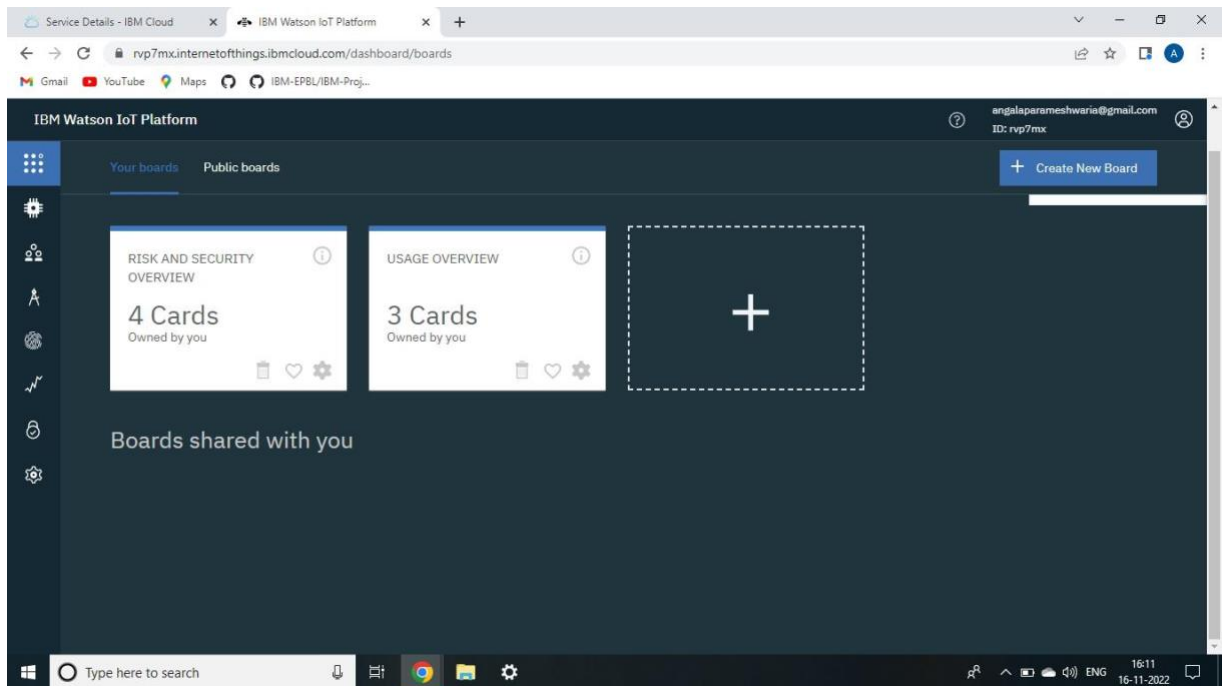
### Identity

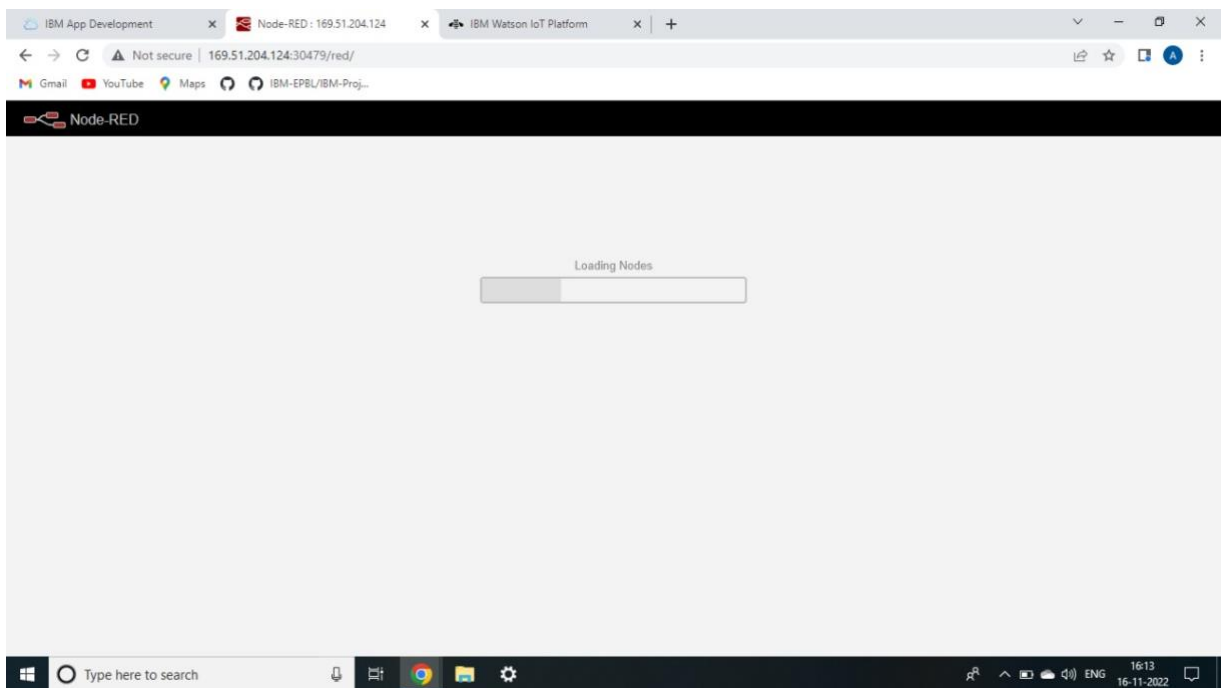
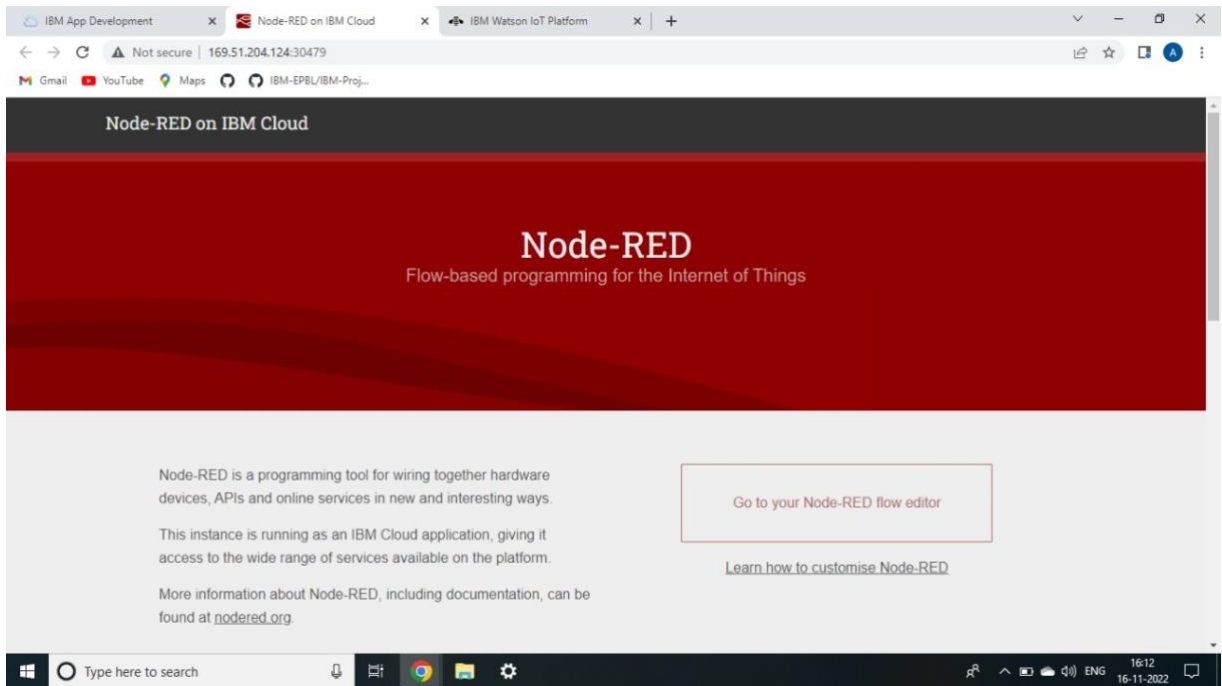
Device ID	12345
Device Type	NodeMCU
Date Added	Nov 2, 2022 12:17 PM
Added By	angalaparameshwaria@gmail.com
Connection Status	Disconnected
	Last Connected: Nov 16, 2022 3:35 PM
	Client Address: 210.16.86.195 SecureToken
	Duration: an hour
	Data Transferred: 144.3 KB

Items per page 50 | 1-1 of 1 item 1 of 1 page

Type here to search

16:09 16-11-2022







## **Conclusion:**

**Software (Create device in the IoT Watson platform, workflow for IoT scenarios using Node-Red) was successfully created.**