Sprint Delivery – 2

Date	17 November 2022
Team ID	PNT2022TMID28572
Project Name	Hazardous Area Monitoring for Industrial Power plant powered by IoT
Maximum Marks	4 Marks

Connecting IoT Simulator to IBM Watson IoT Platform:

Give the credentials of your device in IBM Watson IoT Platform. Click on connect My credentials given to simulator are:

Organization ID: ph99dh

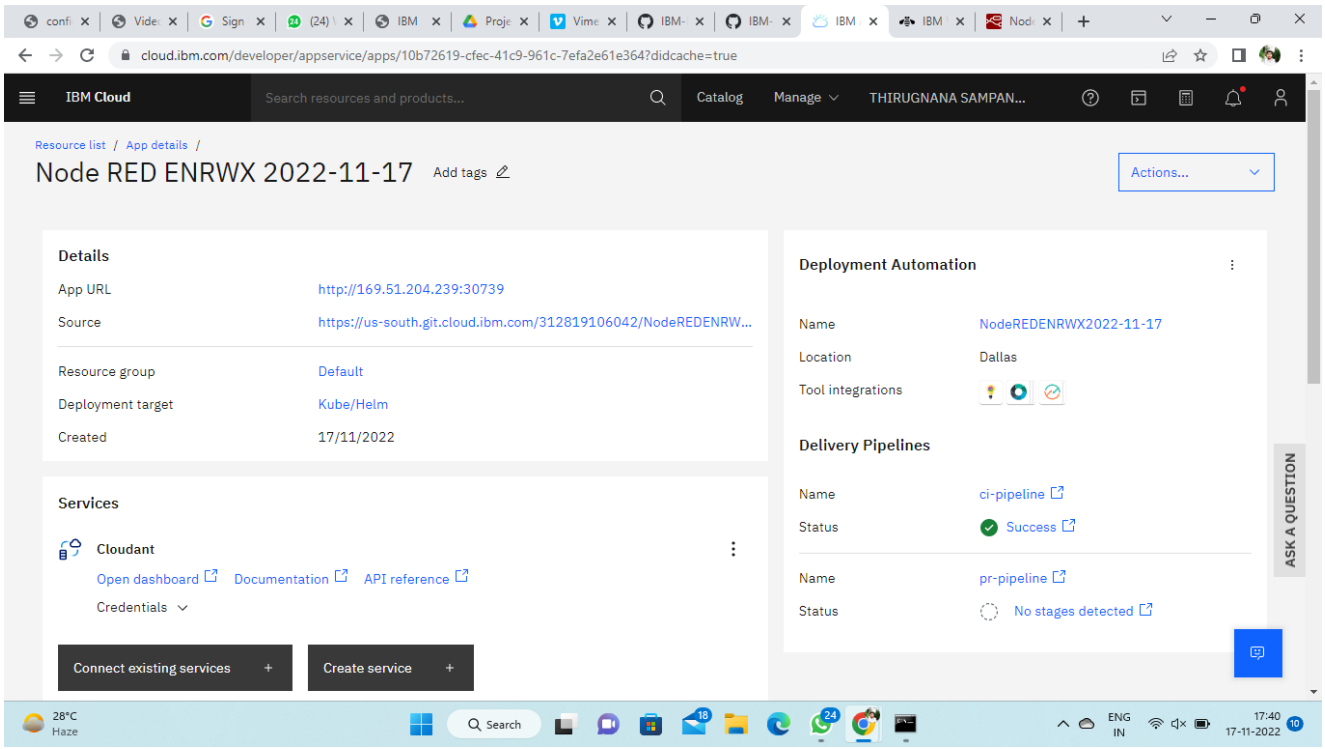
Device Type: NodeMCU

Device ID:123456

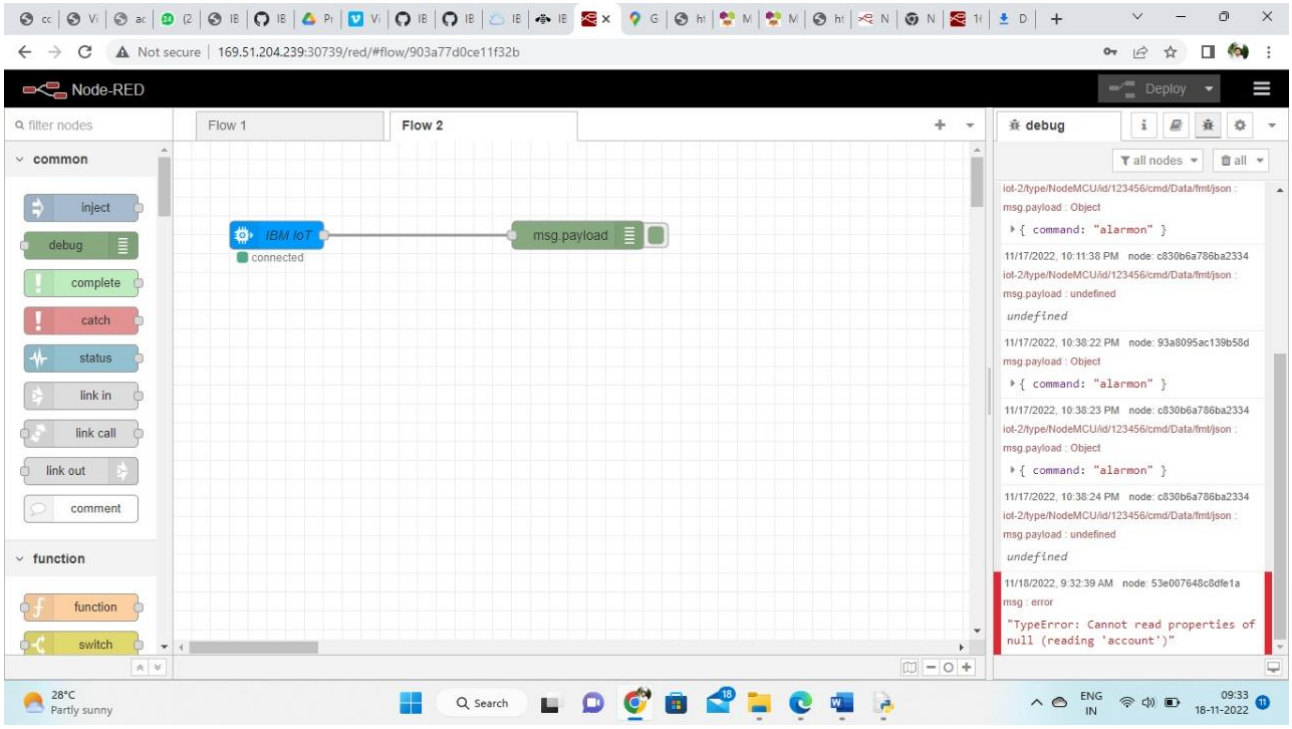
Authentication Method: use-token-auth

Authentication Token: gkfpv_xfl1FB1)*fvy

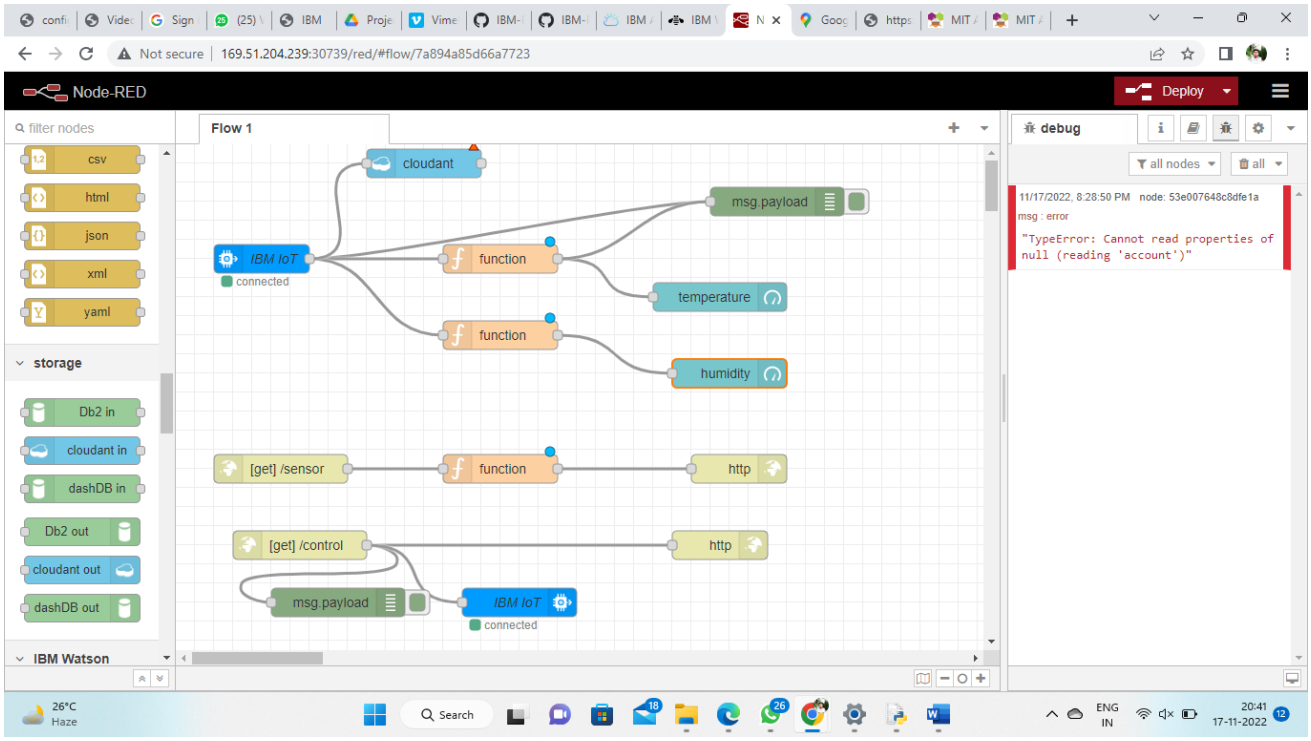
For initial testing, a node MCU device is created in IBM Watson IOT platform. Further the simulation is made run and Json data is seen in recent events of the same device.



For the next process, the randomly generated values should be displayed in Node Red. So the Node red is configured.



Configuring Node-RED:



• Once it is connected, Node-Red receives data from the device.

• Display the data using a debug node for verification.

• Connect the function node and write the Java script code to get each reading separately.

The Java script code for the function node is:

msg. payload=msg. payload.temp;

global. set('t', msg. payload)

return msg;

Finally, connect Gauge nodes from the dashboard to see the data in UI.