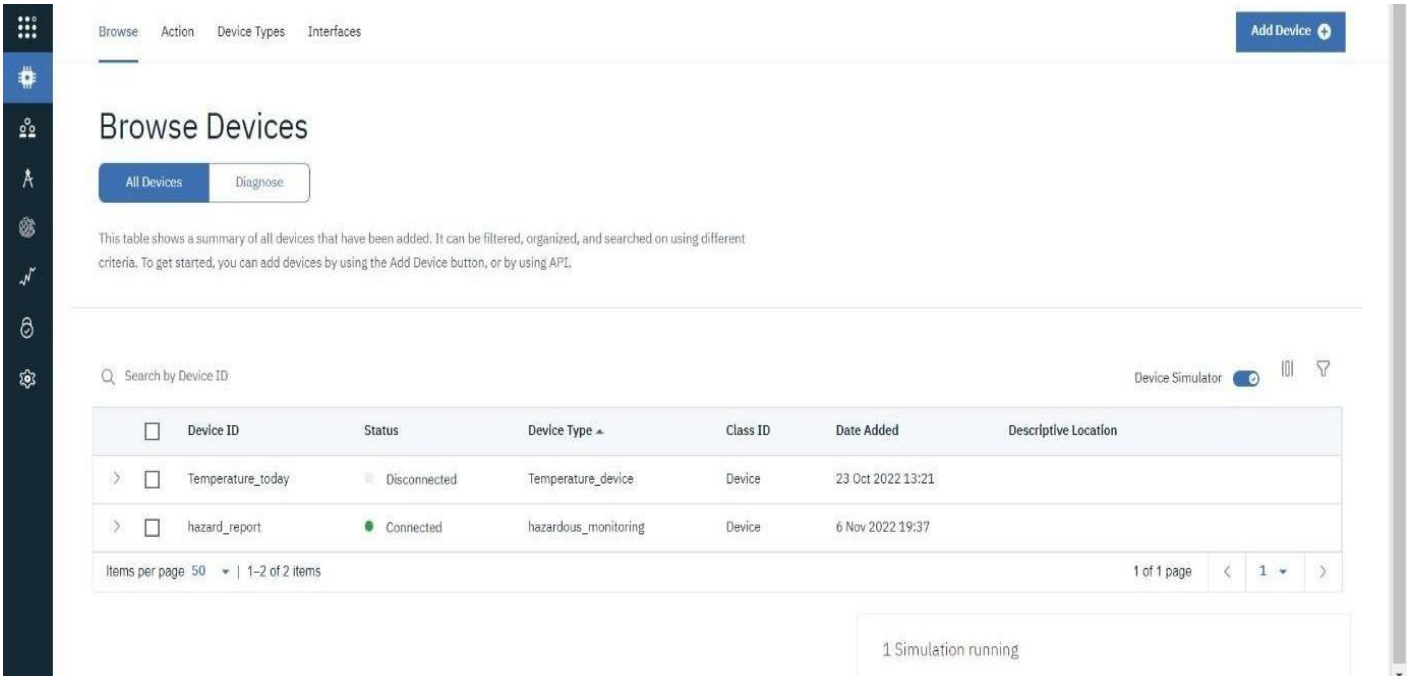
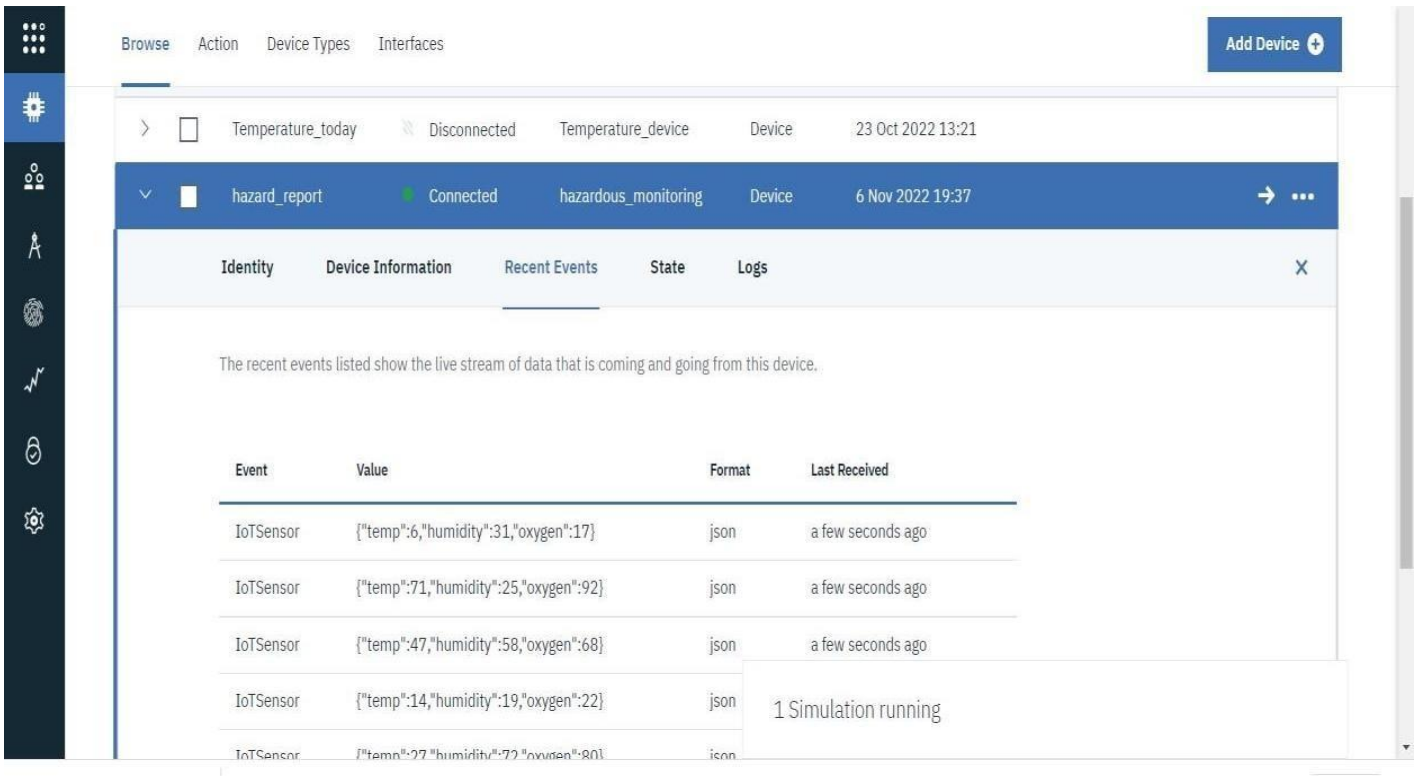
SPRINT 2

Team ID	PNT2022TMID19670
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

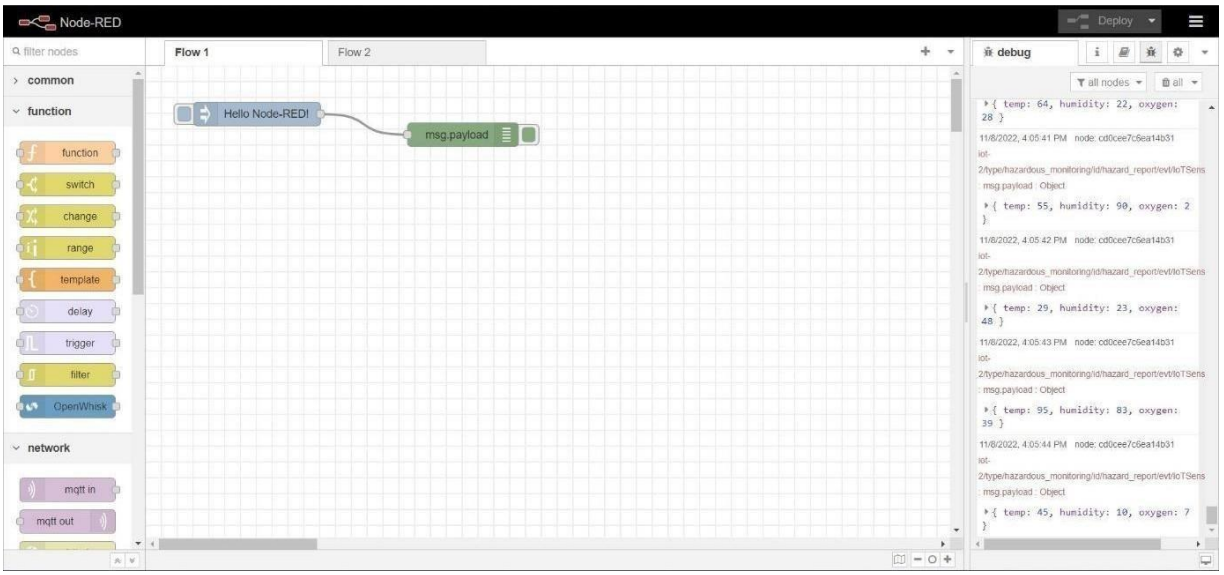
1. Device Creation using IoT Watson platform with credentials:

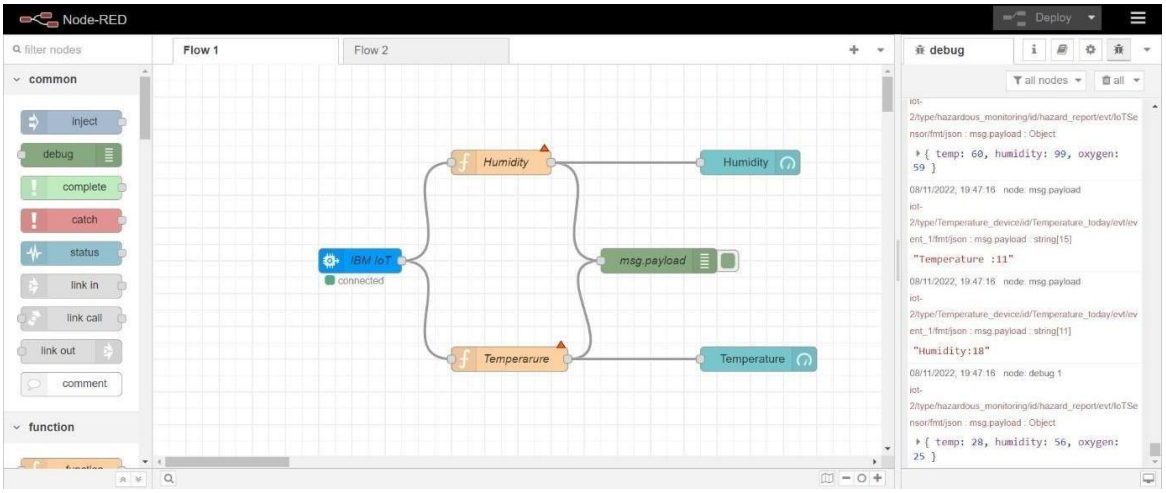
- IBM Watson IoT platform acts as the mediator to connect the web application to the IoT device, so create the IBM Watson IoT platform.
- In order to connect the IoT device to the IBM cloud, we need to create a device in the IBM Watson IoT platform and get the device credentials.
- To configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.




Browse
Action
Device Types
Interfaces
Add Device
Temperature_today
Disconnected
Temperature_device
Device
23 Oct 2022 13:21
hazard_report
Connected
hazardous_monitoring
Device
6 Nov 2022 19:37
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
IoTSensor
{"temp":6,"humidity":31,"oxygen":17}
json
a few seconds ago
IoTSensor
{"temp":71,"humidity":25,"oxygen":92}
json
a few seconds ago
IoTSensor
{"temp":47,"humidity":58,"oxygen":68}
json
a few seconds ago
IoTSensor
{"temp":14,"humidity":19,"oxygen":22}
json
1 Simulation running

2. Required Performance of device using Local Node-Red Platform:





Cloudant DB is used to create a database to store the location data.