

SPRINT-2

Team ID	PNT2022TMID15437
Project Name	Gas Leakage Monitoring and Alerting System

CREATE DEVICE IN THE IOT WATSON PLATFORM:

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 ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	1234	Disconnected	ESP32	Device	Nov 11, 2022 1:14 PM	
> <input type="checkbox"/>	1234	Disconnected	iot_device	Device	Nov 5, 2022 9:04 PM	

Items per page 50 | 1-2 of 2 items

0 Simulations running

Show all

OUTPUT:

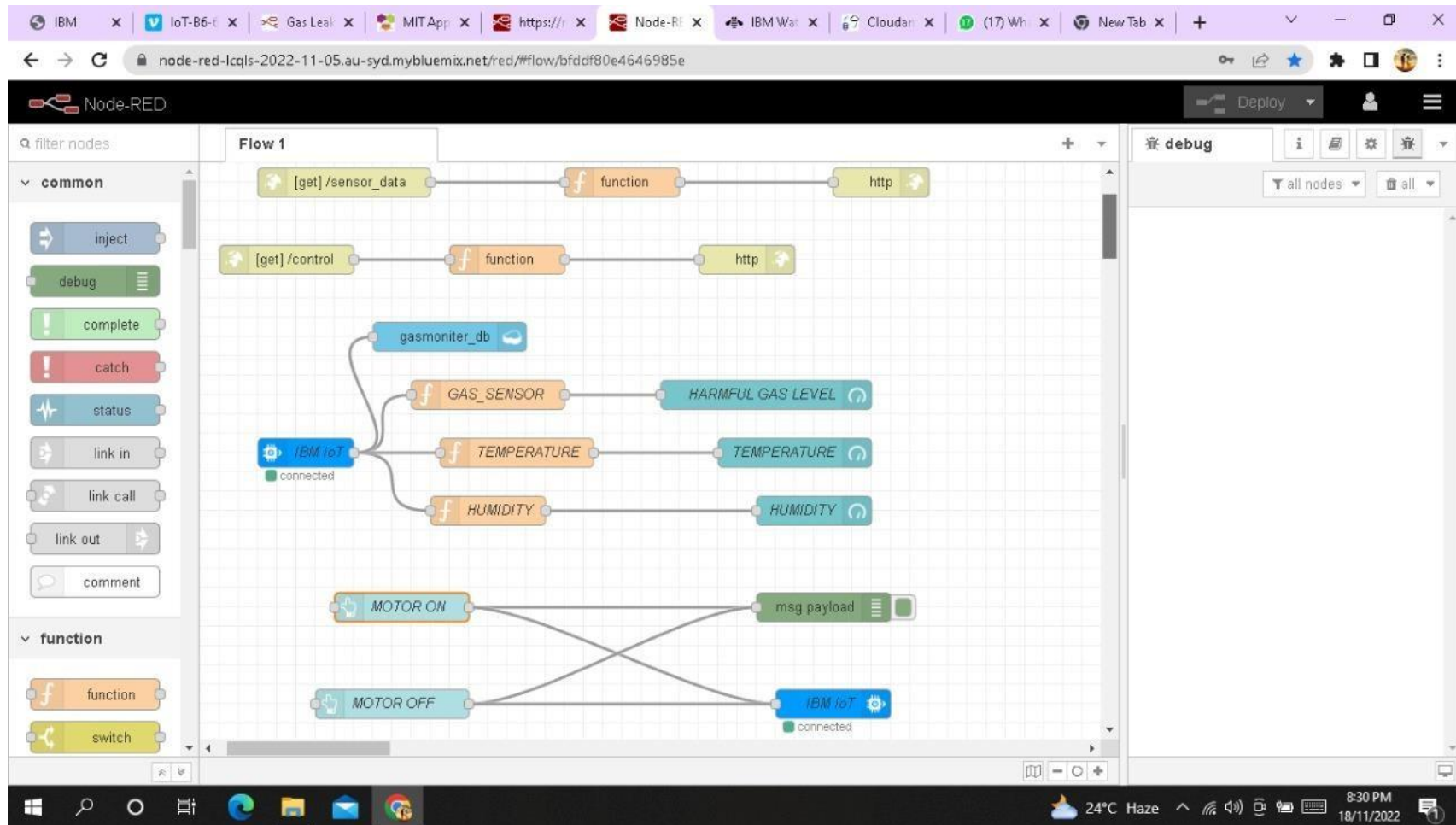
The screenshot displays a web application interface for managing IoT devices. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A 'Add Device' button is located in the top right corner. The main content area features a table with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. Two devices are listed, both with ID 1234 and status 'Disconnected'. The first device is of type 'ESP32' and was added on Nov 11, 2022. The second device is of type 'iot_device' and was added on Nov 5, 2022. Below the table, a detailed view for the selected 'iot_device' is shown, including tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, displaying a message: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this message is a table of recent events with columns: Event, Value, Format, and Last Received. Five events are listed, all with the format 'json' and received 'a few seconds ago'. The events contain JSON data for Gas Level, Humidity, and Temperature. At the bottom of the interface, a status bar indicates '0 Simulations running'. The Windows taskbar at the very bottom shows the system clock as 8:28 PM on 14/11/2022, along with weather information (23°C Cloudy) and various system icons.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234	Disconnected	ESP32	Device	Nov 11, 2022 1:14 PM	
1234	Disconnected	iot_device	Device	Nov 5, 2022 9:04 PM	

Event	Value	Format	Last Received
event_1	{"Gas Level":5,"Humidity":60,"Temp":49}	json	a few seconds ago
event_1	{"Gas Level":43,"Humidity":73,"Temp":36}	json	a few seconds ago
event_1	{"Gas Level":72,"Humidity":18,"Temp":19}	json	a few seconds ago
event_1	{"Gas Level":55,"Humidity":25,"Temp":31}	json	a few seconds ago
event_1	{"Gas Level":60,"Humidity":62,"Temp":3}	json	a few seconds ago

0 Simulations running

WORKFLOW FLOW FOR IOT SCENERIOS UNSING LOCAL NODE RED:



Node-RED

filter nodes

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

Flow 1

Flow 3

[get] /sensor_data

[get] /control

gasmonitor_db

IBM IoT

GAS_SENSOR

TEMPERATURE

HUMIDITY

Edit function node

Delete

Cancel

Done

Properties

Name

GAS_SENSOR

Setup

On Start

On Message

On Stop

1

2

3

msg.payload=msg.payload.harmful_gas

global.set('h',msg.payload)

return msg;

Enabled

info

Search flows

Flows

Flow 1

Flow 2

Flow 3

Flow 4

Flow 5

Subflows

Global Configuration Nodes

GAS_SENSOR

Node

"6fbb4965bbaec42f"

Type

function

show more

Export the selected nodes, or the current tab with ctrl-e

Show all

WhatsApp Image...jpeg