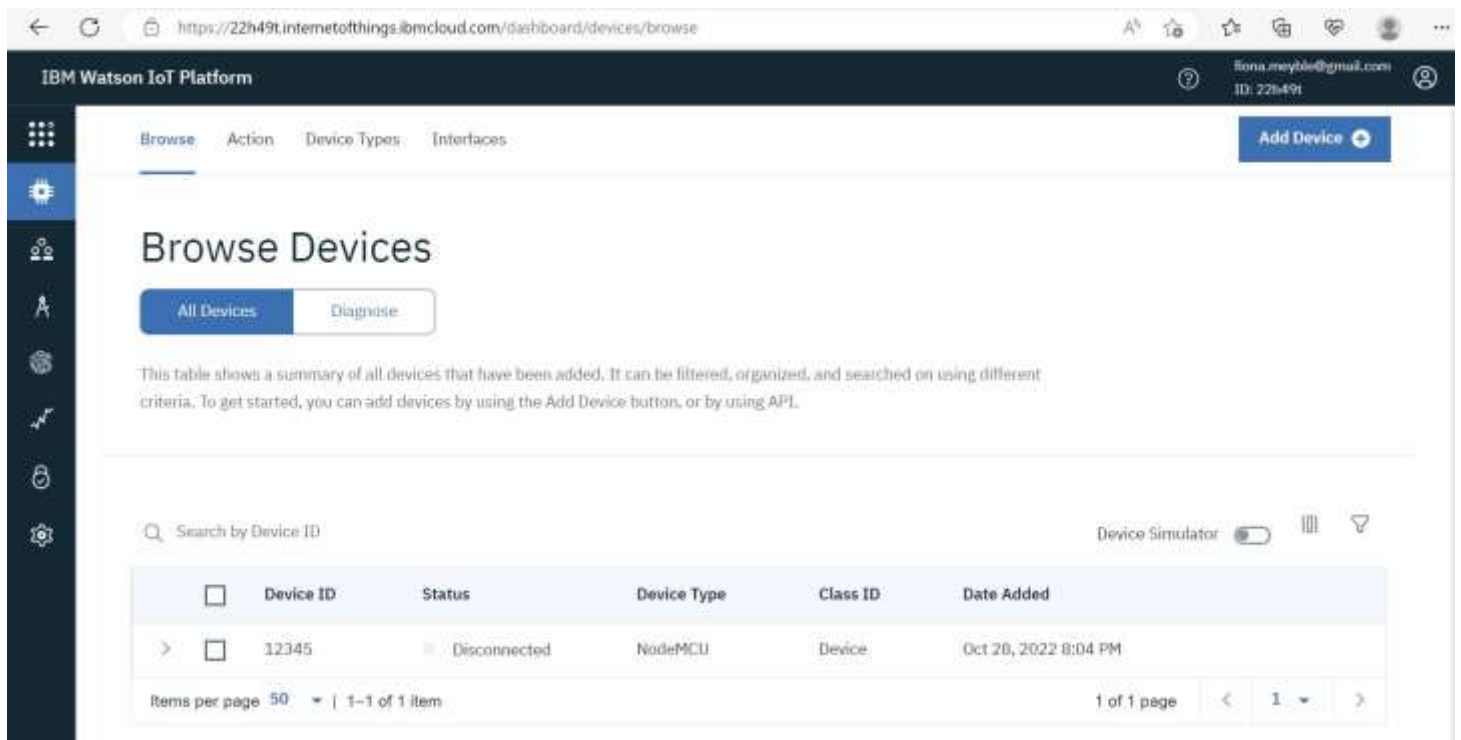


Project Objectives

Create and configure IBM cloud services

| | |
|--------------|---|
| Team ID | PNT2022TMID15984 |
| Project Name | Hazardous Area Monitoring for Industrial Plant powered by IOT |
| Team Members | Anuvarshini SS Bhuvaneshwari S Fiona M Geethika KN |

1.Create IBM Watson IOT platform



IBM Watson IoT Platform

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

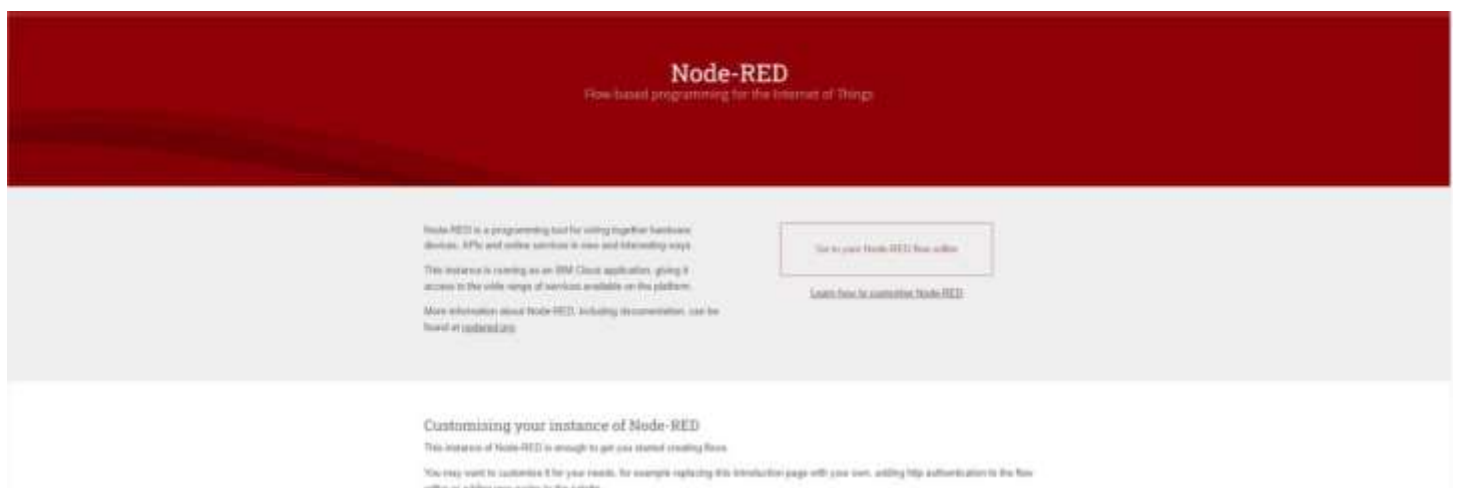
Device Simulator

| Device ID | Status | Device Type | Class ID | Date Added |
|-----------|--------------|-------------|----------|----------------------|
| 12345 | Disconnected | NodeMCU | Device | Oct 26, 2022 8:04 PM |

Items per page 50 | 1-1 of 1 item

1 of 1 page

2.Node-Red service



Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at [updated.org](#).

Go to your Node-RED flow editor

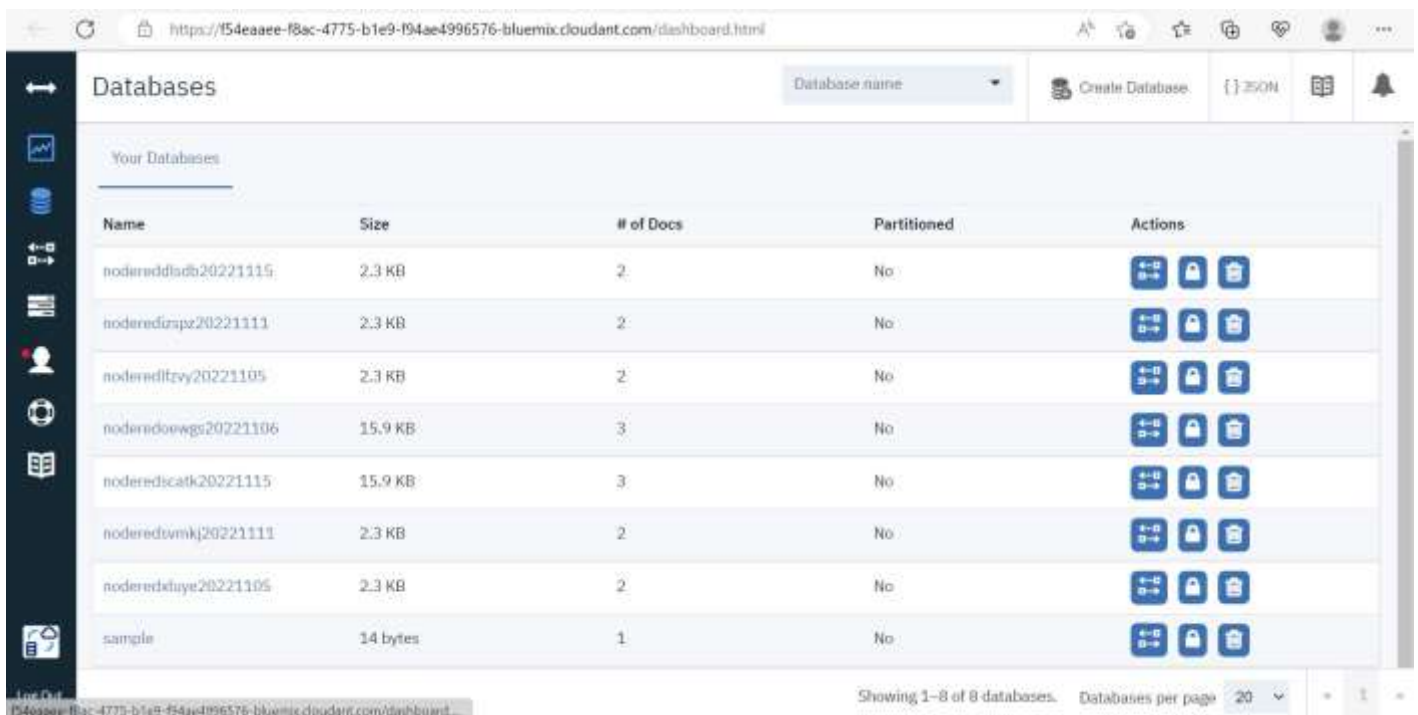
Learn how to customize Node-RED

Customising your instance of Node-RED

























This instance of Node-RED is enough to get you started creating flows.

You may want to customise it for your needs, for example replacing this introduction page with your own, adding help and documentation to the flow editor or adding new nodes to the palette.

3. Database in cloudant



The screenshot shows the Cloudant Databases dashboard. At the top, there's a header with the title 'Databases' and a search bar labeled 'Database name'. To the right of the search bar are buttons for 'Create Database', 'JSON', and a notification bell. Below the header, there's a section titled 'Your Databases' which contains a table listing the databases. The table has five columns: 'Name', 'Size', '# of Docs', 'Partitioned', and 'Actions'. There are 8 rows of databases listed. Each row in the 'Actions' column has three icons: a double-headed arrow, a lock, and a trash can. At the bottom of the dashboard, there's a footer that says 'Showing 1-8 of 8 databases.' and 'Databases per page 20'.

| Name | Size | # of Docs | Partitioned | Actions |
|----------------------|----------|-----------|-------------|---|
| nodereddisdb20221115 | 2.3 KB | 2 | No |    |
| noderedispx20221111 | 2.3 KB | 2 | No |    |
| nodereditvy20221105 | 2.3 KB | 2 | No |    |
| noderedoewgs20221106 | 15.9 KB | 3 | No |    |
| noderedscatk20221115 | 15.9 KB | 3 | No |    |
| noderedvnmk20221111 | 2.3 KB | 2 | No |    |
| noderedduye20221105 | 2.3 KB | 2 | No |    |
| sample | 14 bytes | 1 | No |    |

Showing 1-8 of 8 databases. Databases per page 20