

# CREATE AND CONFIGURE IBM CLOUD SERVICES

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| Team ID      | PNT2022TMID35909   |
| Project Name | GAS LEAKAGE MONITORING AND ALERTING SYSTEMS FOR INDUSTRIES |

## Create The IBM Watson IoT Platform And A Device

### 1) TEAMLEAD – SANDHIYA.V

The screenshot shows the IBM Watson IoT Platform interface. On the left is a sidebar with icons for Home, Devices, Device Types, and Interfaces. The main area is titled 'Browse Devices' and contains a table of two devices. The table columns are Device ID, Status, Device Type, Class ID, and Date Added. The first device has a status of 'Disconnected', a Device Type of 'raspberrypi', a Class ID of 'Device', and was added on Oct 6, 2022 at 10:43 PM. The second device also has a status of 'Disconnected', a Device Type of '123', a Class ID of 'Device', and was added on Oct 6, 2022 at 10:31 PM. At the bottom of the table, it says 'Items per page 50 | 1–2 of 2 items'. To the right of the table is a sidebar with links for Service Status, Terms, Privacy, Support, and Blog, along with a 'Sign Out' button. The top of the screen shows several browser tabs and the URL [ckdbr5.internetofthings.ibmcloud.com/dashboard/devices/browse](https://ckdbr5.internetofthings.ibmcloud.com/dashboard/devices/browse). The taskbar at the bottom includes icons for File Explorer, Mail, Google Chrome, Task View, and Microsoft Word, along with system status indicators like battery level, temperature (26°C), and date/time (18-11-2022).

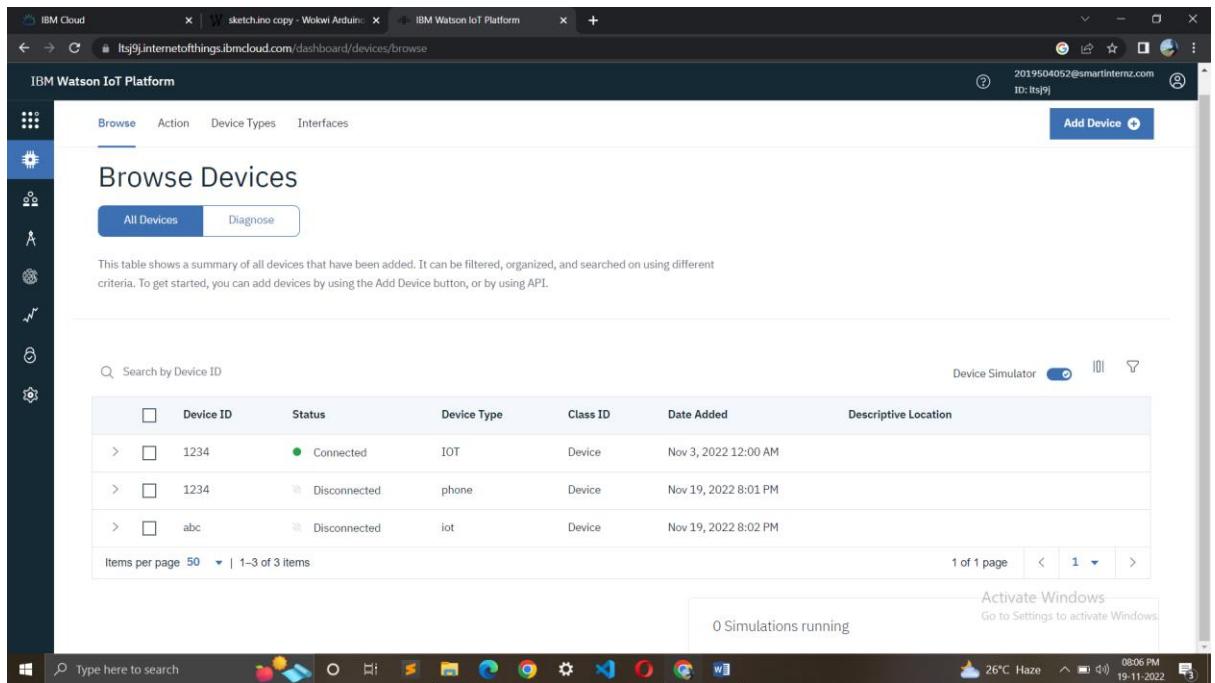
## 2) TEAM MEMBER 2 –NEHA .D

The screenshot shows the IBM Watson IoT Platform interface. At the top, there's a header with the platform name and user information (ID: epfelm). Below the header is a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces' tabs, and a prominent 'Add Device' button. On the left, a sidebar features various icons for device management. The main area is titled 'Browse Devices' and contains two buttons: 'All Devices' (which is selected) and 'Diagnose'. A search bar labeled 'Search by Device ID' is present. Below the search bar is a table with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. The table lists three devices: one with ID 123 (Disconnected, RaspberryPi, Device, Oct 2, 2022), one with ID 123 (Disconnected, abcd, Device, Oct 18, 2022), and one with ID 1234567 (Disconnected, 123, Device, Oct 3, 2022). At the bottom of the table are pagination controls for 'Items per page' (set to 50) and '1 of 1 page'.

## 3) TEAM MEMBER 3- SANGAVI .D

This screenshot shows the same IBM Watson IoT Platform interface as the previous one, but with a different sidebar configuration. The sidebar now includes a 'Simulations' section with a table showing '2/50 Simulations Running'. It lists two entries: 'Device Type abc' and 'Device Type 123', each with a status of '1 Event' and a toggle switch. Below this is a 'Create Simulated Device' button. The main 'Browse Devices' section is identical to the first screenshot, displaying the same list of three devices. The bottom of the screen shows a taskbar with various application icons and system status indicators.

## 4) TEAM MEMBER 4 -SUBUSHRI S V



The screenshot shows the 'Browse Devices' page of the IBM Watson IoT Platform. The interface includes a sidebar with icons for Home, Devices, Actions, Device Types, and Interfaces. The main header says 'IBM Watson IoT Platform' and 'Browse Devices'. Below the header is a search bar labeled 'Search by Device ID' and a 'Device Simulator' toggle switch. A table lists three devices:

|   | Device ID | Status       | Device Type | Class ID | Date Added           | Descriptive Location |
|---|-----------|--------------|-------------|----------|----------------------|----------------------|
| > | 1234      | Connected    | IOT         | Device   | Nov 3, 2022 12:00 AM |                      |
| > | 1234      | Disconnected | phone       | Device   | Nov 19, 2022 8:01 PM |                      |
| > | abc       | Disconnected | iot         | Device   | Nov 19, 2022 8:02 PM |                      |

At the bottom, there's a pagination section 'Items per page 50 | 1–3 of 3 items' and a note '1 of 1 page'. The status bar at the bottom right shows 'Activate Windows', '0 Simulations running', '26°C Haze', '08:06 PM', and the date '19-11-2022'.

# Create Node-RED Service

## 1)TEAMLEAD – SANDHIYA.V

The screenshot shows the IBM Cloud Overview page for the Node RED NFUME service, last updated on 2022-10-08. The service is running with 1 instance. The total MB allocation is 256, with 2048 available and 256 used. There is 1.75 GB still available. The runtime cost is \$0.00. The service has 1 connection. The user profile for SANDHIYA V is visible on the right.

## 2)TEAM MEMBER 2 –NEHA.D

The screenshot shows the IBM Cloud Overview page for the Node RED UCNBU service, last updated on 2022-10-03. The service is running with 1 instance. The total MB allocation is 256, with 1792 available and 256 used. There is 1.5 GB still available. The runtime cost is \$0.00. The service has 1 connection. The user profile for NEHA D's Account is visible on the right.

### 3) TEAM MEMBER 3 –SANGAVI.D

The screenshot shows the IBM Cloud DevOps interface for a toolchain named "NodeREDEKGNC2022-11-18". The interface includes sections for Overview, Repositories (3 total), Delivery pipelines (2 total), and IBM Cloud tools (1 total). The Delivery pipelines section shows two entries: "ci-pipeline" (Delivery Pipeline, Triggered 11/18/22, 9:39 PM) and "pr-pipeline" (Delivery Pipeline, No pipeline runs). The IBM Cloud tools section shows "DevOps Insights" (DevOps Insights).

### 4) TEAM MEMBER 4 -SUBUSHRI SV

The screenshot shows the IBM Cloud DevOps interface for a toolchain named "NodeREDLOTAV2022-11-19". The interface includes sections for Overview, Repositories (3 total), Delivery pipelines (2 total), and IBM Cloud tools (1 total). The Delivery pipelines section shows two entries: "ci-pipeline" (Delivery Pipeline, Triggered 11/19/22, 8:53 PM) and "pr-pipeline" (Delivery Pipeline, No pipeline runs). The IBM Cloud tools section shows "DevOps Insights" (DevOps Insights). A sidebar on the right shows the user profile "Subushri SV" with options for Profile, Log in to CLI and API, Privacy, Change theme, and Log out.