

CREATE AND CONFIGURE IBM CLOUD SERVICES

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 dashboard. At the top, there are several browser tabs: 'IBM-EPBL/IBM-Project-517...', 'Service Details - IBM Cloud', 'IBM Watson IoT Platform', 'IBM', and 'IBM-517-1662029415'. The main window is titled 'IBM Watson IoT Platform' and 'Browse Devices'. On the left is a sidebar with icons for Home, Devices, Rules, Insights, and Analytics. The main content area has tabs for 'All Devices' (which is selected) and 'Diagnose'. Below this is a table with columns: Device ID, Status, Device Type, Class ID, and Date Added. Two devices are listed: one with ID '123' (Status: Disconnected, Device Type: raspberrypi, Class ID: Device, Date Added: Oct 6, 2022 10:43 PM) and another with ID '252725' (Status: Disconnected, Device Type: 123, Class ID: Device, Date Added: Oct 6, 2022 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 are buttons for '1 of 1 page', navigation arrows, and a search bar. On the far right of the dashboard, there is a sidebar with user information: '2019504575@student.annauniv.edu', 'ID: ckdb5', and a profile icon for 'ckdb5'. Below this are links for 'Service Status', 'Terms', 'Privacy', 'Support', 'Blog', and 'Sign Out'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

2) TEAM MEMBER 2 –NEHA .D

The screenshot shows the 'IBM Watson IoT Platform' interface. At the top, there are navigation tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. On the right, there is a button labeled 'Add Device'. Below the tabs, the title 'Browse Devices' is displayed, with two buttons: 'All Devices' (highlighted in blue) and 'Diagnose'. A search bar labeled 'Search by Device ID' is present. To the right of the search bar are buttons for 'Device Simulator' and a download icon. The main area is a table with columns: 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. Three device entries are listed:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123	Disconnected	Raspberrypi	Device	Oct 2, 2022 3:02 PM	
123	Disconnected	abcd	Device	Oct 18, 2022 8:45 PM	
1234567	Disconnected	123	Device	Oct 3, 2022 12:26 PM	

At the bottom of the table, there are buttons for 'Items per page' (set to 50), a page number indicator (1 of 1 page), and navigation arrows.

3) TEAM MEMBER 3- SANGAVI .D

This screenshot shows the same 'IBM Watson IoT Platform' interface as the previous one, but with a sidebar on the right titled 'Simulations'. The sidebar displays '2/50 Simulations Running' and lists two entries: 'Device Type abc' and 'Device Type 123', each with a status of '1 Event' and a toggle switch. Below the sidebar is a table with columns: 'Device ID', 'Status', 'Device Type', 'Class ID', and 'Date'. Three device entries are listed:

Device ID	Status	Device Type	Class ID	Date
123456	Disconnected	abc	Device	Nov
124536	Disconnected	123	Device	Oct
abc_1	Connected	abc	Device	Nov

At the bottom of the table, there are buttons for 'Items per page' (set to 50), a page number indicator (1 of 1 page), and navigation arrows. The sidebar also includes buttons for 'Create Simulated Device' and 'Use Registered Device'. The bottom of the screen shows a taskbar with various icons and system status information.

4) TEAM MEMBER 4 -SUBUSHRI S V

The screenshot shows the 'IBM Watson IoT Platform' interface. At the top, there are tabs for 'IBM Cloud', 'sketch.ino copy - Wolvi Arduino', and 'IBM Watson IoT Platform'. The main title is 'IBM Watson IoT Platform' with a sub-section 'Browse Devices'. Below this, there are two buttons: 'All Devices' (highlighted in blue) and 'Diagnose'. A search bar labeled 'Search by Device ID' is present. To the right of the search bar is a 'Device Simulator' toggle switch, which is turned off. The main content area is a table titled 'Browse Devices' with the following columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. The table contains three rows:

	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	

Below the table, there is a pagination control showing 'Items per page' set to '50', '1 of 1 page', and navigation arrows. On the right side of the table, there are icons for sorting and filtering. A message box at the bottom right says 'Activate Windows' and 'Go to Settings to activate Windows'. The status bar at the bottom shows '0 Simulations running', the date '19-11-2022', the time '08:06 PM', the temperature '26°C Haze', and a battery icon.

Create Node-RED Service

1) TEAMLEAD – SANDHIYA.V

The screenshot shows the IBM Cloud dashboard for the service "Node RED NFUME 2022-10-08". The service is listed as "Running" with a green status indicator. Below the service name, there's a "Getting started" section with a link to the "Overview". The "Overview" tab is selected, displaying the following details:

- Instances**: Health is 100%, with 1/1 instance(s) running.
- MB memory per instance**: A slider set at 256 MB.
- Runtime cost**: \$0.00.
- Connections (1)**: One connection to "node-red-nfume-2022--cloudant-1664784134191-73124".
- Runtime**: Node.js, Total MB allocation is 256, with 1.75 GB still available (1.5 GB Free, 0.25 GB Used).

The top right corner shows the user profile for "SANDHIYA V" with options to "Profile", "Log in to CLI and API", "Privacy", "Change theme", and "Log out". The bottom right corner shows the Windows taskbar with the date and time as 18-11-2022 20:33.

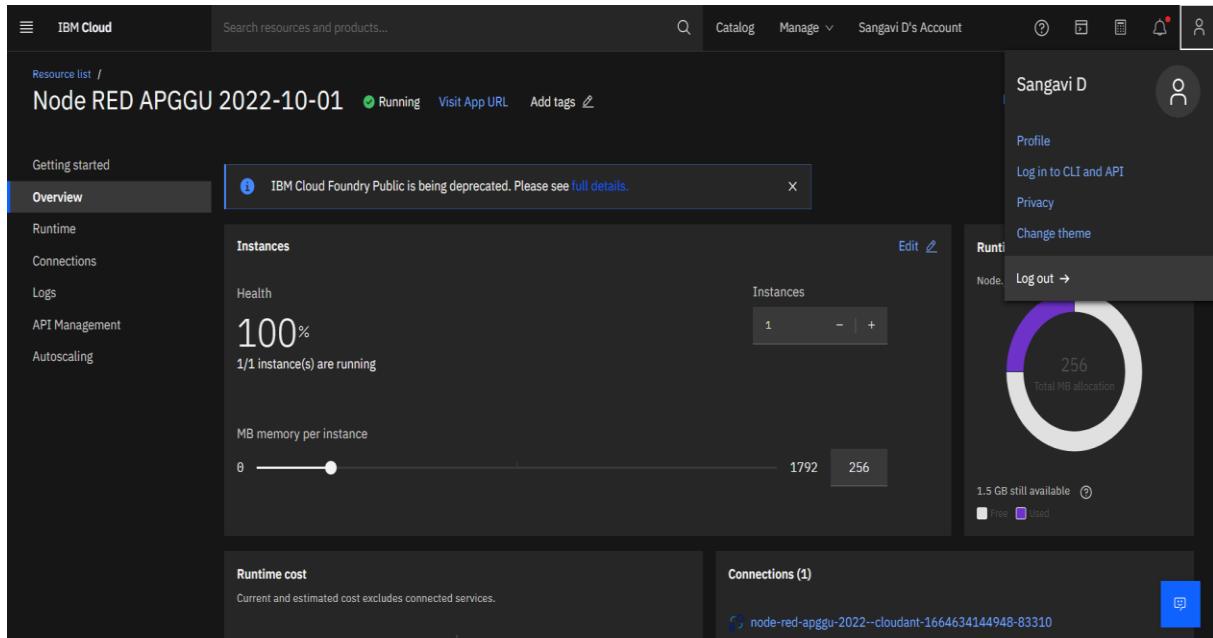
2) TEAM MEMBER 2 – NEHA.D

The screenshot shows the IBM Cloud dashboard for the service "Node RED UCNBU 2022-10-03". The service is listed as "Running" with a green status indicator. Below the service name, there's a "Getting started" section with a link to the "Overview". The "Overview" tab is selected, displaying the following details:

- Instances**: Health is 100%, with 1/1 instance(s) running.
- MB memory per instance**: A slider set at 256 MB.
- Runtime cost**: \$0.00.
- Connections (1)**: One connection to "node-red-ucnbu-2022--cloudant-1664784134191-73124".
- Runtime**: Node.js, Total MB allocation is 256, with 1.5 GB still available (1.5 GB Free, 0.25 GB Used).

The top right corner shows the user profile for "NEHA D's Account" with options to "Details" and "Actions...". The bottom right corner shows the Windows taskbar with the date and time as 18-11-2022 20:33.

3) TEAM MEMBER 3 -SANGAVI.D

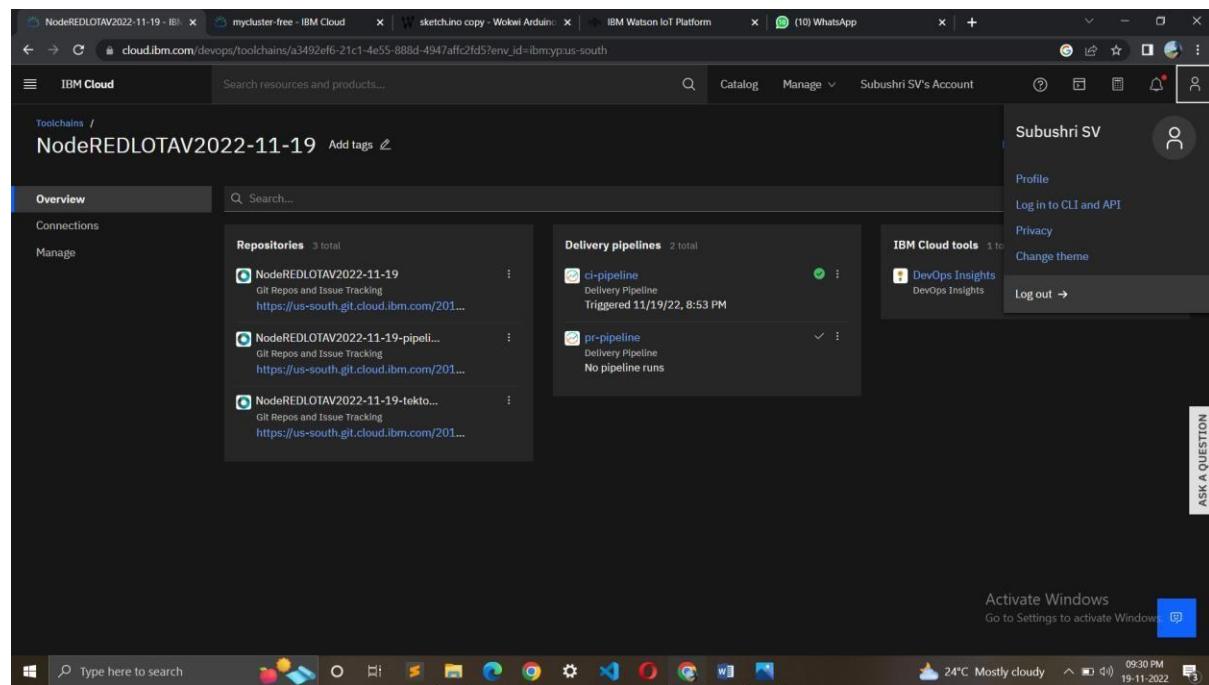


The screenshot shows the IBM Cloud dashboard for the application "Node RED APGGU 2022-10-01". The left sidebar has "Overview" selected. The main area displays the following information:

- Instances:** 1 instance running.
- Health:** 100% (1/1 instance(s) are running).
- MB memory per instance:** A slider set between 0 and 256, currently at 1792.
- Runtime cost:** Current and estimated cost excludes connected services.
- Connections (1):** node-red-apggu-2022-cloudant-1664634144948-83310

The right sidebar shows the user profile "Sangavi D" with options like Profile, Log in to CLI and API, Privacy, Change theme, and Log out. A circular progress bar indicates 256 Total MB allocation with 1.5 GB still available.

4) TEAM MEMBER 4 -SUBUSHRI SV



The screenshot shows the IBM Cloud dashboard for the application "NodeREDLOTAV2022-11-19". The left sidebar has "Overview" selected. The main area displays the following information:

- Repositories:** 3 total
 - NodeREDLOTAV2022-11-19
 - NodeREDLOTAV2022-11-19-pipeline
 - NodeREDLOTAV2022-11-19-tektoscale
- Delivery pipelines:** 2 total
 - cipipeline (Delivery Pipeline, Triggered 11/19/22, 8:53 PM)
 - pr-pipeline (Delivery Pipeline, No pipeline runs)
- IBM Cloud tools:** 1 total (DevOps Insights)

The right sidebar shows the user profile "Subushri SV" with options like Profile, Log in to CLI and API, Privacy, Change theme, and Log out. A "ASK A QUESTION" button is visible in the bottom right corner.