

Creating a Node-Red Web Application to view data in Separate Numerical form

Date	23 November 2022
Team ID	PNT2022TMID49514
Project Name	Project - Gas Leakage Monitoring and Alerting System

➤ In IBM cloud dashboard, click on Cloud Foundry apps

The screenshot displays the IBM Cloud 'Resource list' dashboard. The browser's address bar shows 'cloud.ibm.com/resources'. The dashboard header includes a search bar and navigation links like 'Catalog', 'Manage', and 'DHAVAMANI M's Accou...'. A sidebar on the left lists various resource categories: Compute (1), Containers (0), Networking (0), Storage (0), AI / Machine Learning (0), Analytics (0), Blockchain (0), Databases (2+), Developer tools (3+), and Logging and monitoring (0). The main table lists resources with columns for Name, Group, Location, Product, Status, and Tags. One resource is visible: 'Node RED LAJXT 2022-11-05' in the 'dhavamani / dhava' group, located in 'London', using 'Node.js', with a status of 'Started'. A 'Create resource' button is in the top right. The Windows taskbar at the bottom shows the date as 23-11-2022 and time as 09:30 PM.

Name	Group	Location	Product	Status	Tags
Node RED LAJXT 2022-11-05	dhavamani / dhava	London	Node.js	Started	

➤ A new window appears where we need to NODE-RED SELDZ app created before.

Resource list

Name	Group	Location	Product	Status	Tags
Node RED LAJXT 2022-11-05	dhavamani / dhava	London	Node.js	Started	—

Use_Dashboard_...docx | Develop_The_W...docx | Show all

27°C Mostly cloudy | Search | ENG IN | 09:30 PM 23-11-2022

➤ Click on Visit App URL in Node RED SELDZ service dashboard.

Node RED LAJXT 2022-11-05 Running [Visit App URL](#) [Add tags](#) [Details](#) [Actions...](#)

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0 ————— 2048 256

Runtime

Node.js

256

Total MB allocation

1.75 GB still available

Free Used

Runtime cost

Current and estimated cost excludes connected services.

Connections (1)

node-red-lajxt-2022--cloudant-1667640014836-1017

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➤ Click on your Node-RED flow editor where you will be redirected to the Node-RED flow editor.

IBM-Project-20707-1659761167 / x Microsoft Word - Node-Red Wei x Download file | iLovePDF x Node-RED on IBM Cloud x Application Details - IBM Cloud x +

node-red-lajxt-2022-11-05-gb.mybluemix.net

Node-RED on IBM Cloud

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 nodered.org.

[Go to your Node-RED flow editor](#)

[Learn how to customise Node-RED](#)

Use_Dashboard_...docx Develop_The_W...docx Show all x

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IBM-Project-20707-1659761167 / x Microsoft Word - Node-Red Wei x Download file | iLovePDF x Node-RED : node-red-lajxt-2022 x Application Details - IBM Cloud x +

node-red-lajxt-2022-11-05-gb.mybluemix.net/red/#flow/b46b1e9f72b50f8e

Node-RED

filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change

Flow 1

- IBM IoT (connected)

Flow 2

- gassensor
- temperature
- gas sensing
- temperature
- msg.payload
- [get] /data
- data
- http
- motor on
- motor off
- fast forward
- http

dashboard

Layout Site Theme

Tabs & Links

- Home
 - gassensing
 - temperature

Use_Dashboard_...docx Develop_The_W...docx Show all x

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RESULT:

Thus, the Node-Red Web Application is created successfully.