

Create Node-RED Service

Date	18 November 2022
Team ID	PNT2022TMID16936
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Mark	40 marks

TEAM LEADER: DINESH

TEAM MEMBER 1: MAHAVISHNU

TEAM MEMBER 2: DEEPAKRAJ

TEAM MEMBER 3: ARUNKUMAR

Aim:

To create a web application, create a Node-RED service.

Steps to be followed

Step 1: Navigated to the App creation page and Entered project details and clicked

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default

Tags ⓘ

Examples: env:dev, version-1

Platform

☒ Node.js

Service details

Cloudant★

★ = You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region

Sydney

Resource group

Default

ASK A QUESTION

ASK A QUESTION

Step 2: Clicking on the “Deploy your App” Button and Setting up the environment and deploying the app.

The screenshot shows the IBM Cloud console interface for a resource named "Node RED BWJOZ 2022-11-10". The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The main content area is divided into two columns. The left column contains a "Details" section with fields for App URL, Source, Resource group, Deployment target, and Created date. Below this is a "Services" section for "Cloudant" with links to the dashboard, documentation, and API reference. The right column contains a "Deployment Automation" section showing the name, location, and tool integrations. Below this is a "Delivery Pipelines" section showing two pipelines: "pr-pipeline" and "ci-pipeline", both with a status of "Success".

Resource list / App details / Node RED BWJOZ 2022-11-10 Add tags

Details

App URL <https://node-red-bwjoz-2022-11-10.eu-gb.mybluemix.net>

Source <https://eu-gb.git.cloud.ibm.com/abdulazizmrk/NodeREDBWJOZ202...>

Resource group [Default](#)

Deployment target [Node RED BWJOZ 2022-11-10](#)

Created 10/11/2022

Services

Cloudant

[Open dashboard](#) [Documentation](#) [API reference](#)

Credentials

[Connect existing services](#) [Create service](#)

Deployment Automation

Name [NodeREDBWJOZ2022-11-10](#)

Location [London](#)

Tool integrations

Delivery Pipelines

Name [pr-pipeline](#)

Status [No stages detected](#)

Name [ci-pipeline](#)

Status [Success](#)

Step 3: Successfully deployed the app.

The screenshot shows the Node-RED web interface on IBM Cloud. The header is "Node-RED on IBM Cloud". The main content area has a dark red background with the text "Node-RED" and "Flow-based programming for the Internet of Things". Below this, there is a light gray section with text describing Node-RED as a programming tool for wiring together hardware devices, APIs and online services. It also mentions that this instance is running as an IBM Cloud application, giving access to the wide range of services available on the platform. More information about Node-RED, including documentation, can be found at nodered.org. A button labeled "Go to your Node-RED flow editor" is present, along with a link to "Learn how to customise Node-RED".

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.

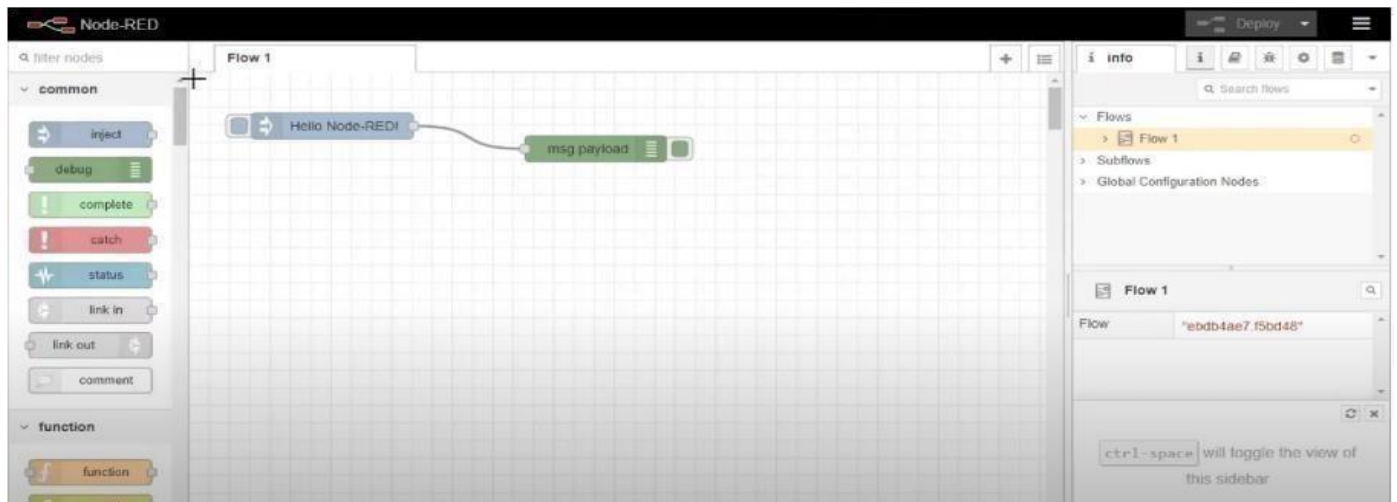
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at nodered.org.

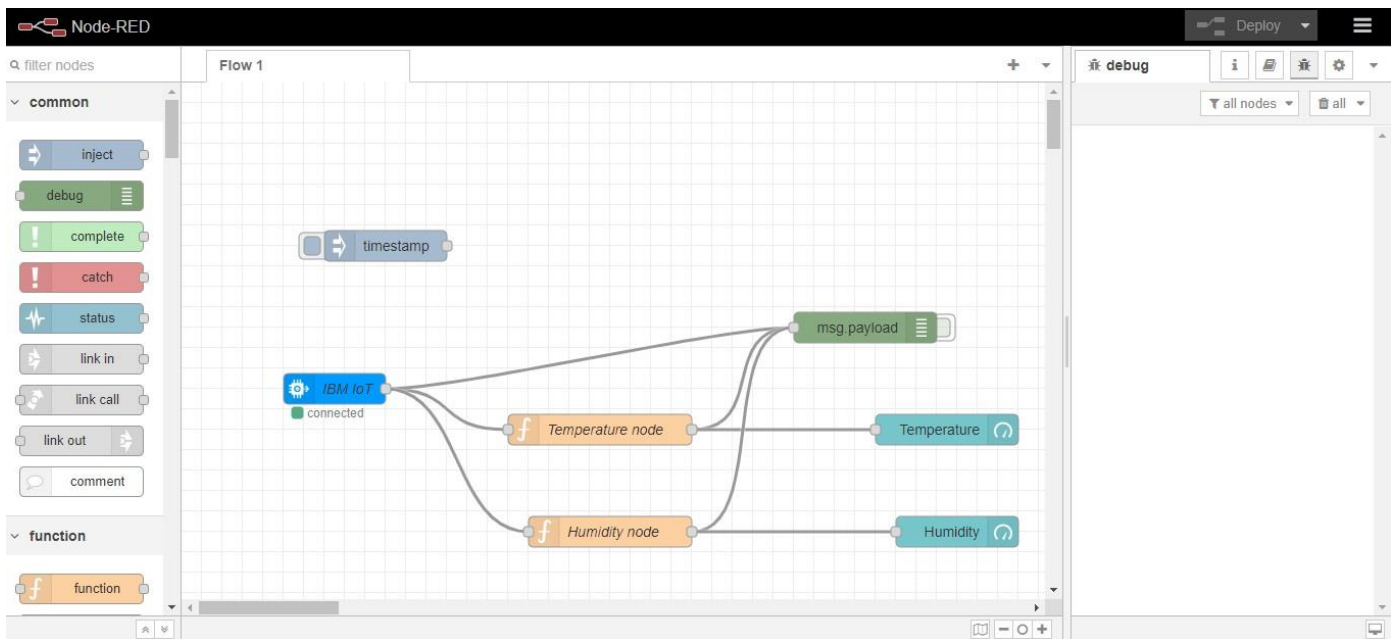
[Go to your Node-RED flow editor](#)

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

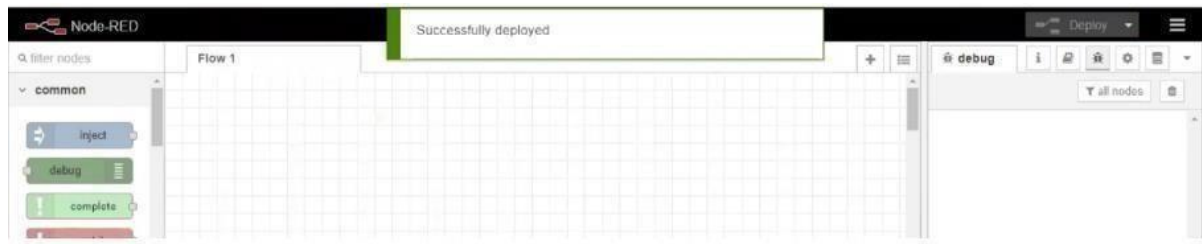
Step 4: Dragged and dropped components into the editor.



Step 5: Editing some values of the properties.



Step 6: Successfully deployed the app.



Result:

Successfully created a Node RED service on IBM Cloud.