

CREATE NODE-RED SERVICE

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|---------------|---|
| PROJECT TITLE | REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM |
| TEAM LEADER | SABIYA ZEENATH BEEVI |
| TEAM MEMBER 1 | SWEETY MARTIN |
| TEAM MEMBER 2 | THOSHIMA.B |
| TEAM MEMBER 3 | SAMYUKTHA RAM |

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for 'Catalog', 'Manage', and 'Aravind S.E's Account'. Below this, the 'Dashboard' section is visible, featuring a 'For you' area with several service tiles: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Set up your IBM Cloud account' (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources), 'Build a Virtual Private Cloud (VPC)' (Upgrade to a paid account to create your own protected space in the IBM Cloud), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), and 'Use Speech to Text' (Easily convert the human voice into the written word for voice control, transcription, etc. with Speech to Text). Each tile includes a 'Getting started' button and a duration (10 min, 7 min, 2 hr, 2 min). To the right of these tiles is a 'Select an option' dropdown. Below the 'For you' section, there are three more sections: 'User access' (Manage users), 'News' (Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS, TrustRadius Best Software: Five IBM Offerings to Make the List), and 'Planned maintenance' (View all). The bottom of the dashboard shows a weather widget (85°F, Haze) and a taskbar with various application icons.

CREATE NODE-RED SERVICE

The screenshot shows the IBM Cloud Developer console. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Aravind S.E.'s Account). The main content area is titled 'Create' and features an 'About' sidebar on the left. The sidebar lists details such as Author (IBM), Updated (2/11/2020), Type (Starter kit), Source code (GitHub), Helpful links (Terms, Tutorial), and a 'Get started' button. The main content area has an 'Overview' section explaining that the starter kit provides a pre-configured Node-RED application. It lists three key benefits: generating an application with Node-RED, generating files for deployment to Cloud Foundry or DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section highlights the 'Cloudant' service, which is 'Free to start'. A 'Get started' button is prominently displayed at the bottom of the main content area.

IBM Cloud

Search resources and products...

Catalog Manage Aravind S.E.'s Account

About Create

Details

Author IBM

Updated 2/11/2020

Type Starter kit

Source code

GitHub

Helpful links

Terms

Tutorial

Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Cloudant Free to start View pricing

View docs View API reference

Get started

This screenshot shows the same IBM Cloud Developer console, but with the 'Create' page fully configured. The 'Tags' section has a text input field with the example 'env:dev, version-1'. The 'Platform' section has 'Node.js' selected. The 'Service details' section is expanded, showing the 'Cloudant' service. The 'Region' is set to 'London' and the 'Resource group' is set to 'Default'. The 'Pricing plan' is set to 'Lite'. There are 'Cancel' and 'Create' buttons at the bottom of the configuration area. The sidebar and navigation bar remain the same as in the previous screenshot.

IBM Cloud

Search resources and products...

Catalog Manage Aravind S.E.'s Account

Tags

Examples: env:dev, version-1

Platform

Node.js

Service details

Cloudant

Region London

Resource group Default

Pricing plan Lite

Pricing details Terms

Cancel Create

CREATE NODE-RED SERVICE

Search results x careereducatio x IBM App Deve x IBM Cloud Acc x IBM Watson Ic x IBM-Project-7: x IBM x

cloud.ibm.com/developer/appservice/apps/d02d722e-ca52-4457-a7a4-5ca7013c6f7e

IBM Cloud Search resources and products... Catalog Manage Aravind S.E's Account

IBM Cloud API key

..... New +

Number of instances

1

Memory allocation per instance

64 MB 2000 MB 256

Region Organization Space

London water monitor IoT

Host Domain

node-red-vtxtv-2022-11-07 eu-gb.mybluemix.net

Cancel Next

ASK A QUESTION

87°F Mostly sunny 03:09 PM 07-11-2022

Search results x careereducatio x IBM App Deve x IBM Cloud Acc x IBM Watson Ic x IBM-Project-7: x IBM x

cloud.ibm.com/developer/appservice/apps/d02d722e-ca52-4457-a7a4-5ca7013c6f7e

IBM Cloud Search resources and products... Catalog Manage Aravind S.E's Account

Resource list / App details /

Node RED VTXTV 2022-11-07 [Add tags](#)

Actions...

Details

| | |
|-------------------|---|
| App URL | You must deploy your app first |
| Source | https://eu-gb.git.cloud.ibm.com/710419106002/NodeREDVTX... |
| Resource group | Default |
| Deployment target | You must deploy your app first |
| Created | 11/7/2022 |

Services

Cloudant

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

Credentials

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

Deployment Automation

| | |
|-------------------|------------------------|
| Name | NodeREDVTXTV2022-11-07 |
| Location | London |
| Tool integrations | |

Delivery Pipelines

| | |
|--------|--------------------|
| Name | pr-pipeline |
| Status | No stages detected |
| Name | ci-pipeline |
| Status | No stages detected |

ASK A QUESTION

87°F Mostly sunny 03:10 PM 07-11-2022

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IBM Cloud

Search resources and products...

Q

Catalog

Manage

Karthika K's Account

?

Resource list /

Node RED CKXAC 2022-11-07 Running [Visit App URL](#) [Add tags](#) [Details](#) [Actions...](#)

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

IBM Cloud Foundry Public is being deprecated. Please see [full details](#).

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0 2048 256

Instances

1 - +

Edit

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 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](#)

CREATE NODE-RED SERVICE

The screenshot displays the Node-RED web interface. The top bar includes the Node-RED logo, a 'Deploy' button, and user profile icons. The left sidebar, titled 'filter nodes', contains two categories: 'common' and 'function'. The 'common' category lists nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The 'function' category lists 'function' and 'switch'. The main workspace, labeled 'Flow 1', shows a flow with two nodes: an 'inject' node (blue) with the text 'Hello Node-RED!' and a 'msg payload' node (green). A line connects the output of the inject node to the input of the msg payload node. The right sidebar, titled 'info', shows a search bar for flows and a list of flows. The first flow, 'Flow 1', is selected and highlighted in orange. Below the list, the details for 'Flow 1' are shown, including its ID '2443324d77d67b7c' and a search bar for nodes with the placeholder text 'Search for nodes using ctrl-f'.