

CREATE NODE-RED SERVICE

TEAM ID	PNT2022TMID42508
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
TEAM LEADER	K.ALAGENDRAN
TEAM MEMBER 1	P.MARIMUTHU
TEAM MEMBER 2	S.PUSHPARAJ
TEAM MEMBER 3	V.RAJESH KANNA

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'. The main content area is titled 'Dashboard' and includes a 'Create resource' button. Below this, there's a 'For you' section with five tiles: 'Build' (purple), 'Set up your IBM Cloud account' (10 min), 'Build a Virtual Private Cloud (VPC)' (7 min), 'Get Started with Watson Studio' (2 hr), and 'Use Speech to Text' (2 min). Each tile has a 'Getting started' or 'Popular' button. At the bottom, there's a 'User access' section with a 'Manage users' link, a 'News' section with a 'View all' link, and a 'Planned maintenance' section with a 'View all' link. The bottom of the image shows a Windows taskbar with various application icons and system information like '85°F Haze' and '11:33 AM 07-11-2022'.

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 for 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 also lists 'What's included?' and a 'Get started' button. A 'Cloudant' service is highlighted as 'Free to start' with links to 'View docs' and 'View API reference'.

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

The screenshot shows the IBM Cloud Developer console, specifically the 'Create' page for the Node-RED service. The top navigation bar is the same as the previous screenshot. The main content area is titled 'Create' and features a 'Tags' section with a search bar and examples (env:dev, version-1). Below this is the 'Platform' section, where 'Node.js' is selected. The 'Service details' section includes 'Cloudant' as the service, with 'Region' set to 'London' and 'Resource group' set to 'Default'. The 'Pricing plan' is set to 'Lite'. There are links for 'Pricing details' and 'Terms'. At the bottom, there are 'Cancel' and 'Create' buttons.

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'.