

CREATE NODE-RED SERVICE

TEAM ID	PNT2022TMID42431
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
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TEAM MEMBER 2	C.HARIHARAN
TEAM MEMBER 3	S.DINESHKUMAR

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 to 'Catalog', 'Manage', and 'Aravind S.E's Account'. Below this, the 'Dashboard' section features a 'For you' area 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 includes a brief description and a 'Getting started' or 'Popular' button. Below the 'For you' section, there are four more tiles: 'User access' (with a 'Manage users' link), 'News' (with a 'View all' link), 'Planned maintenance' (with a 'View all' link), and a 'Planned maintenance' tile. The bottom of the dashboard shows a weather widget (85°F, Haze) and a taskbar with various application icons. The system clock indicates 11:33 AM on 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 user account information (Aravind S.E.'s Account). The main content area is titled 'Create' and features a sidebar with 'About' and 'Create' tabs. The 'Overview' section describes the starter kit, which includes a pre-configured Node-RED application and a Cloudant service. It lists the benefits of the starter kit and the services included. A 'Get started' button is prominently displayed at the bottom of the overview section.

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](#)

87°F Mostly sunny 03:05 PM 07-11-2022

The screenshot shows the IBM Cloud Developer console with the 'Create' page for a Node-RED service. The 'Tags' section is empty. The 'Platform' section shows '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 section.

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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](#)

87°F Mostly sunny 03:05 PM 07-11-2022

CREATE NODE-RED SERVICE

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

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IBM Cloud API key

Number of instances: 1

Memory allocation per instance: 64 MB (slider) 2000 MB 256

Region: London Organization: water monitor Space: IoT

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

Cancel Next

ASK A QUESTION

87°F Mostly sunny 03:09 PM 07-11-2022

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

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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

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Karthika K's Account

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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

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0 2048 256

Instances

1 - +

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)

🔗

The banner features a dark blue header with the text "Node-RED on IBM Cloud" in white. Below this is a large red section with a white wavy line at the bottom. In the center of the red section, the text "Node-RED" is written in a large, white, serif font, with "Flow-based programming for the Internet of Things" in a smaller, white, sans-serif font underneath. To the left of the red section, on a white background, is a paragraph of text: "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](\"#\")." To the right of this text is a white rectangular box with a thin red border containing the text "Go to your Node-RED flow editor". Below this box is a red underline and the text "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](#)

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, with 'Flow 1' selected. Below this, the 'Flow 1' details are shown, including a flow ID '2443324d77d67b7c' and a search bar for nodes using 'ctrl-f'.