

# Creation of Node Red Service

Team ID	PT2022TMID49483
Project Name	Smart farmer IoT enabled Smart farming application
Date	5 <sup>th</sup> November 2022

- An account was created created in node RED and features are viewed.

The screenshot displays the IBM Cloud Developer console interface. The browser's address bar shows the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page title is "Node-RED". The left sidebar contains a "Details" section with the following information:

- Author: IBM
- Updated: 10/2/2020
- Type: Starter kit

Below the details, there are links for "Source code" (GitHub), "Helpful links" (Terms, Tutorial), and a "Create" button. The main content area is titled "Overview" and describes the starter kit: "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." It also lists "What's included?" and "This starter kit will help you" with bullet points:

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

At the bottom, there is a "Cloudant" service card with the text "Free to start" and a "View pricing" link. The Windows taskbar at the bottom shows the time as 8:01 AM on 11/5/2022.

IBM

IBM-EPBL/IBM-Project-49483-16

Meet - ncj-xaaw-oox

IBM App Development

cloud.ibm.com/developer/appservice/apps/dd9f1cc7-67b9-4d00-9f0b-df1f6ba9a8b9

IBM Cloud

Search resources and products...

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Resource list / App details /

Node RED XJEZB 2022-11-05

Add tags

Actions...

Details

App URL

You must deploy your app first

Source

Download code

Resource group

Default

Deployment target

You must deploy your app first

Created

5/11/2022

Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Checking cache...

ASK A QUESTION

Activate Windows

Go to Settings to activate Windows

Type here to search

25°C

ENG IN

8:02 AM

11/5/2022

IBM

IBM-EPBL/IBM-Project-49483-16

Meet - ncj-xaaw-oox

IBM App Development

cloud.ibm.com/developer/appservice/apps/dd9f1cc7-67b9-4d00-9f0b-df1f6ba9a8b9

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Node RED XJEZB 2022-11-05

Select the deployment target

Configure the DevOps toolchain

Deployment Automation

Select your deployment target and configure your DevOps toolchain. After you click **Create**, the toolchain is created, and the deployment process is started automatically.

Deployment target

Kubernetes Service

IBM

Deploy, scale, and manage your containerized application workloads to highly available clusters.

Red Hat OpenShift

IBM

Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.

Cloud Foundry

IBM

Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.

ASK A QUESTION

Getting started with apps

Step 1. Select the deployment target

Select your deployment target, and then provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one.

Create org.

Activate Windows

Go to Settings to activate Windows

Type here to search

25°C

ENG IN

8:02 AM

11/5/2022

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Toolchains / NodeREDXJEZB2022-11-05 / ci-pipeline Dashboard

Run pipeline

PipelineRuns

Definitions

Worker

Triggers

Environment properties

Other settings

Status: All | Trigger: All

Run	Status
#1 simple-hosted-pipeline-e5a853e4-371a-418d-bb56-440733565f40 Manual   manual-run	Running 5 Nov, 8:03 am

Items per page: 25 | 1 - 1 items | Page 1

Activate Windows  
Go to Settings to activate Windows.

IBM Cloud | Search resources and products... | Catalog | Manage | Lakshya Pugazhenth's ...

Toolchains / NodeREDXJEZB2022-11-05 / ci-pipeline / ci-pipeline PipelineRun

Actions | Run pipeline

PipelineRuns

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Environment properties

Other settings

simple-hosted-pipeline-e5a853e4-371a-418d-bb56-4407... Last updated 24 seconds ago

Running Tasks Completed: 1 (Failed: 0, Cancelled 0), Incomplete: 5, Skipped: 0

Duration: 34s

#1 Triggered by lakshyapugazh86@gmail.com manual-run Worker: IBM Managed workers in DALLAS Show Context

extract-repository-url

extract-value-jq Completed Duration: 0s

clone-task

code-risk-analyzer

build

rolling-deploy-task

Logs

Details

https://us-south.git.cloud.ibm.com/lakshyapugazh86/NodeREDXJEZB2022-11-05

Step completed successfully

Activate Windows  
Go to Settings to activate Windows.



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](https://nodered.org).

Go to your Node-RED flow editor

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

## Customising your instance of Node-RED

This instance of Node-RED is enough to get you started creating flows.

You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow editor or adding new nodes to the palette.

Activate Windows  
Go to Settings to activate Windows.