

# Create Node-RED Service

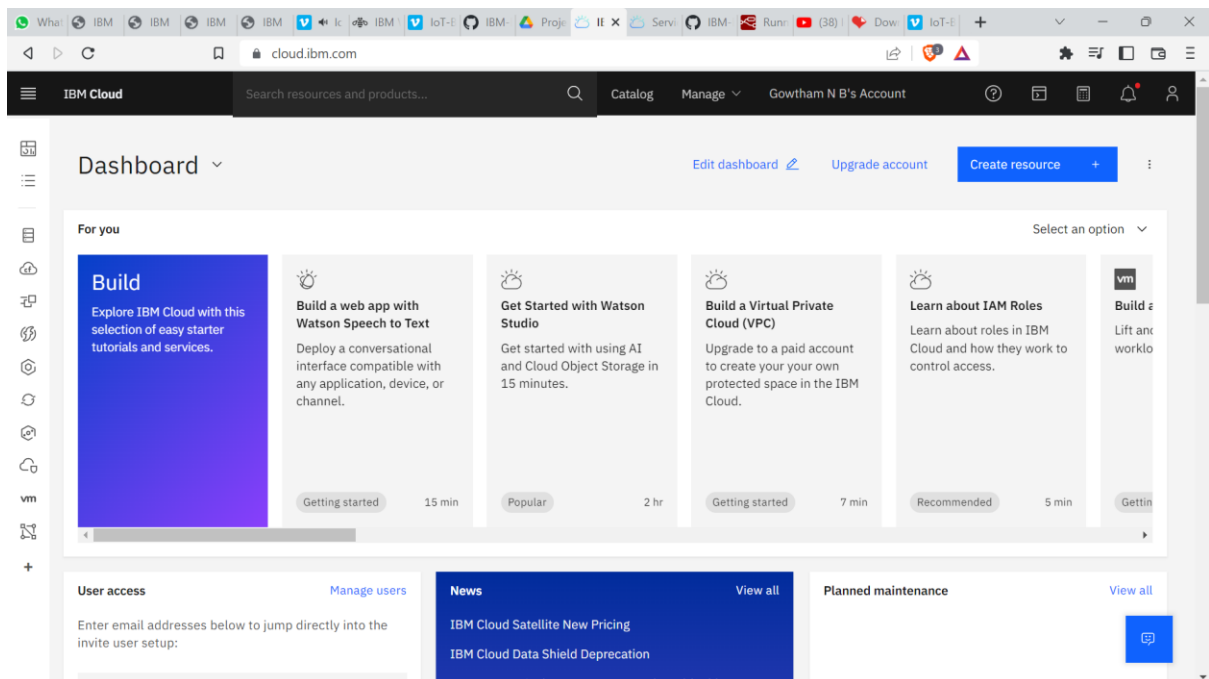
<b>Date</b>	1 November 2022
<b>Team ID</b>	PNT2022TMID21050
<b>Project Title</b>	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

## Aim:

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

## Steps followed:

Step 1: Navigated to the App creation page and follow the steps screened shot below.



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Node-RED

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](#)

Waiting for cloud.ibm.com...

ASK A QUESTION

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About

Create

App details

App name

Node RED App

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

Waiting for cloud.ibm.com...

ASK A QUESTION

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Node RED App

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

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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.

Deploy your app

IBM Cloud

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Node RED App

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.

Code Engine

Getting started with apps

Step 1. Select the deployment target

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

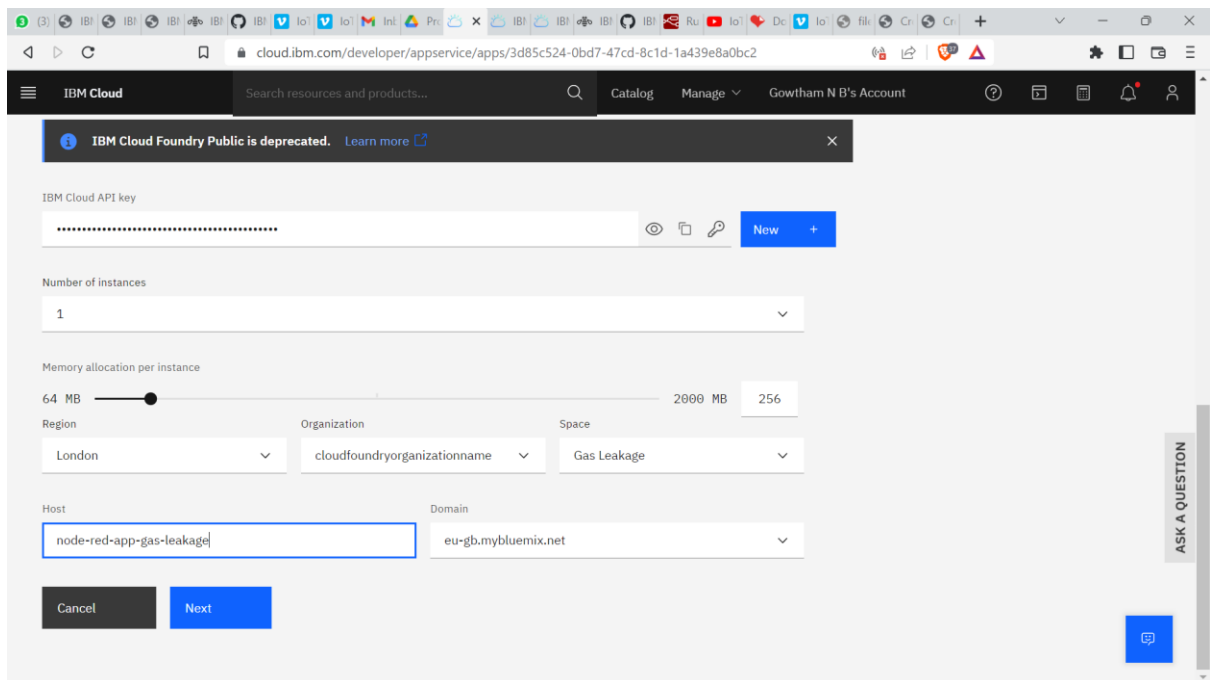
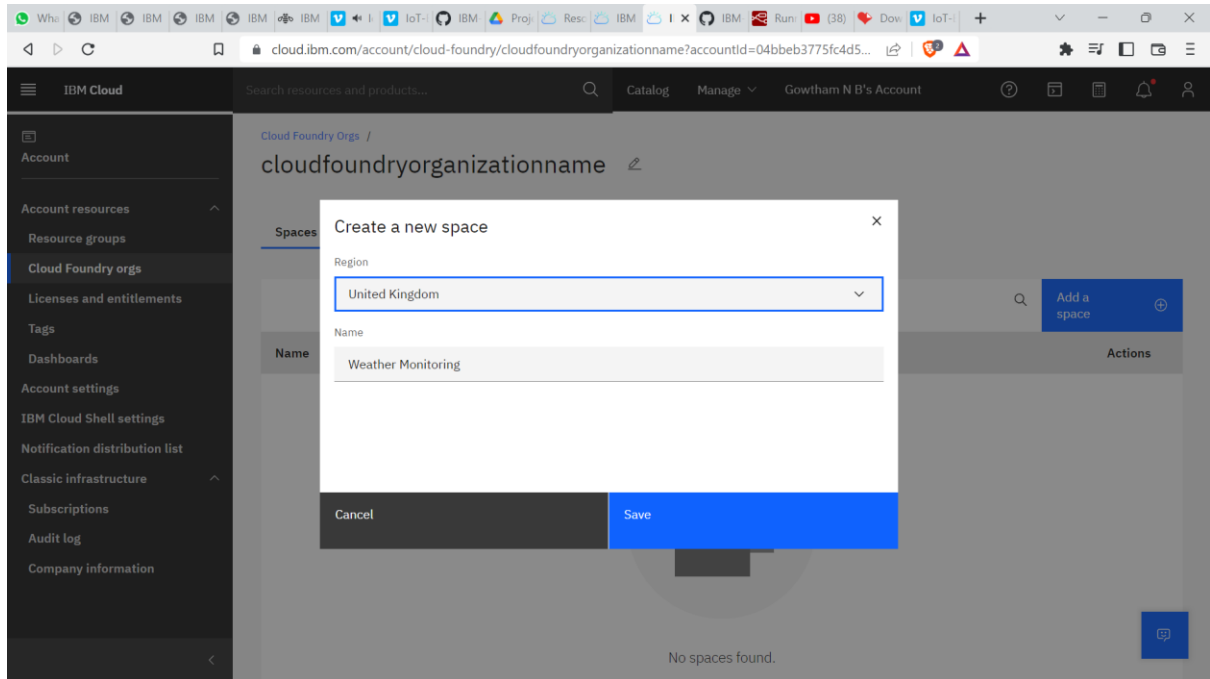
IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

Before you begin

- One free Kubernetes cluster is available per account.
- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. [Create cluster.](#)

Steps



IBM Cloud

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Account

Account resources

Resource groups

Cloud Foundry orgs

Licenses and entitlements

Tags

Dashboards

Account settings

IBM Cloud Shell settings

Notification distribution list

Classic infrastructure

Subscriptions

Audit log

Company information

Cloud Foundry Orgs /

cloudfoundryorganizationname

SpacesUsersDomainsInfo

Search

Add a space

Name	Region	ID	Manager	Date Created	Actions
<a href="#">Weather Monitoring</a>	United Kingdom	2eb6b06c-b036-4a81-8363-8ee0af357e1b	✓	11/18/2022	⋮

S

## Node RED App

Select the deployment target Configure the DevOps toolchain

### Configure the DevOps toolchain

Give your toolchain a name and select the region to create your toolchain in.

DevOps toolchain name

NodeREDApp

Accept the default name, or enter a value up to 100 characters.

Region

London

Back

Create

### Getting started with apps

#### Step 2. Configure the DevOps toolchain

The DevOps toolchain includes a Delivery Pipeline tool where you can check the deployment status, start builds, manage deployment, and view logs and history.

1. Provide a name for your toolchain.
2. Select the region where your toolchain is created.
3. Select the resource group that has access to your new toolchain. [Learn more.](#)
4. After you're finished with your selections, click **Create**.

ASK A QUESTION

## Node RED App

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

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### 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

cloud.ibm.com/developer/appservice/apps/3d85c524-0bd7-47cd-8c1d-1a439e8a0bc2

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Node RED App

Add tags

Actions...

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App URL

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Deployment target

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Created

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Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Name

NodeREDApp

Location

London

Tool integrations

Delivery Pipelines

Name

ci-pipeline

Status

No stages detected

Name

pr-pipeline

Status

No stages detected

ASK A QUESTION

**Result:**

Successfully created a Node RED service on IBM Cloud.