

NODE RED

Hazardous Area Monitoring for Industrial Plant powered by IoT

IBM Cloud

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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 docs

View API reference

View pricing

Get started

ASK A QUESTION

NODE-RED-APP-2022-02-11-20

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

Service details

Cloudant

You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region London

Resource group Default

Pricing plan

node-red-hgamb-2022--cloudant-1668922033361

Pricing details

Terms

Creating app...

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Resource list / App details /

Node RED BCZNP 2022-11-20Add 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

11/20/2022

Services

Cloudant

Open dashboardDocumentationAPI 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

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more.](#)
2. If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.
3. Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL.
5. If you make any changes to your app, be sure to deploy it again.

Building, running, and deploying your app locally

To build and run your app locally:

1. Run the `ibmcloud dev code <APPNAME>` command from the IBM Cloud CLI. [Learn more.](#)
2. Run the following commands in a local development

ASK A QUESTION

IBM App Development

cloud.ibm.com/developer/appservice/apps/21c7a37b-36f7-4008-80b2-ba5303eb98f0

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IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud API key

.....

New

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

London

Organization

chandeesh

Space

chandeesh

Host

node-red-fqkkn-2022-11-20

Domain

eu-gb.mybluemix.net

Cancel

Next

Foundry org, you must create one. [Create org.](#)

Steps

1. Select the number of instances, memory allocation, **region, org,** and **space.**
2. Select the **domain** and provide a **host** name.

ASK A QUESTION

Type here to search

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IBM App Development pr-pipeline Dashboard ci-pipeline PipelineRun chandeesh ks / NodeREDFQKKN

cloud.ibm.com/developer/appservice/apps/21c7a37b-36f7-4008-80b2-ba5303eb98f0

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Resource list / App details /

Node RED FQKKN 2022-11-20 Add tags

Actions...

Details

App URL <https://node-red-fqkkn-2022-11-20.eu-gb.mybluemix.net>

Source [Download code](#)

Resource group [Default](#)

Deployment target [Node RED FQKKN 2022-11-20](#)

Created 11/20/2022

Services

Cloudant

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

Credentials

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

Deployment Automation

Name [NodeREDFQKKN2022-11-20](#)

Location [Dallas](#)

Tool integrations

Delivery Pipelines

Name [pr-pipeline](#)

Status [No stages detected](#)

Name [ci-pipeline](#)

Status [In progress](#)

Getting started quickly

Configuring your app

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ASK A QUESTION

<https://node-red-fqkkn-2022-11-20.eu-gb.mybluemix.net>

Type here to search

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IBM App Development Node-RED on IBM Cloud pr-pipeline Dashboard ci-pipeline PipelineRun chandeesh ks / NodeREDFQKKN

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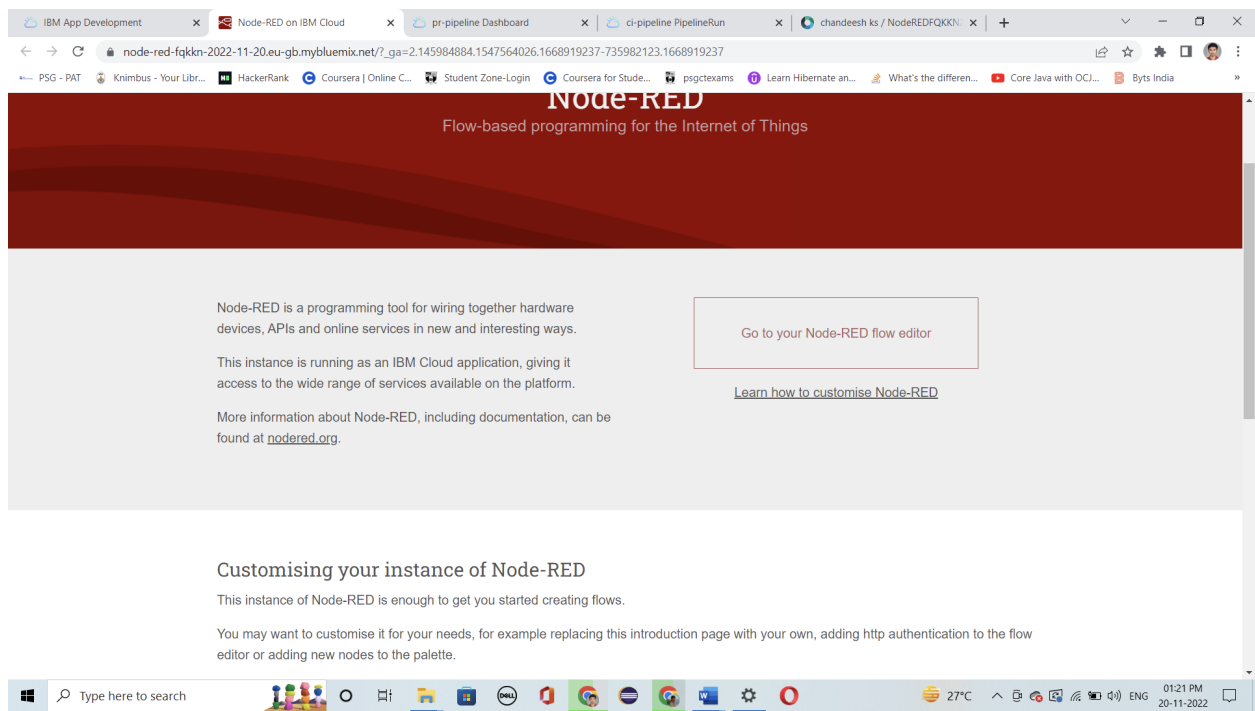
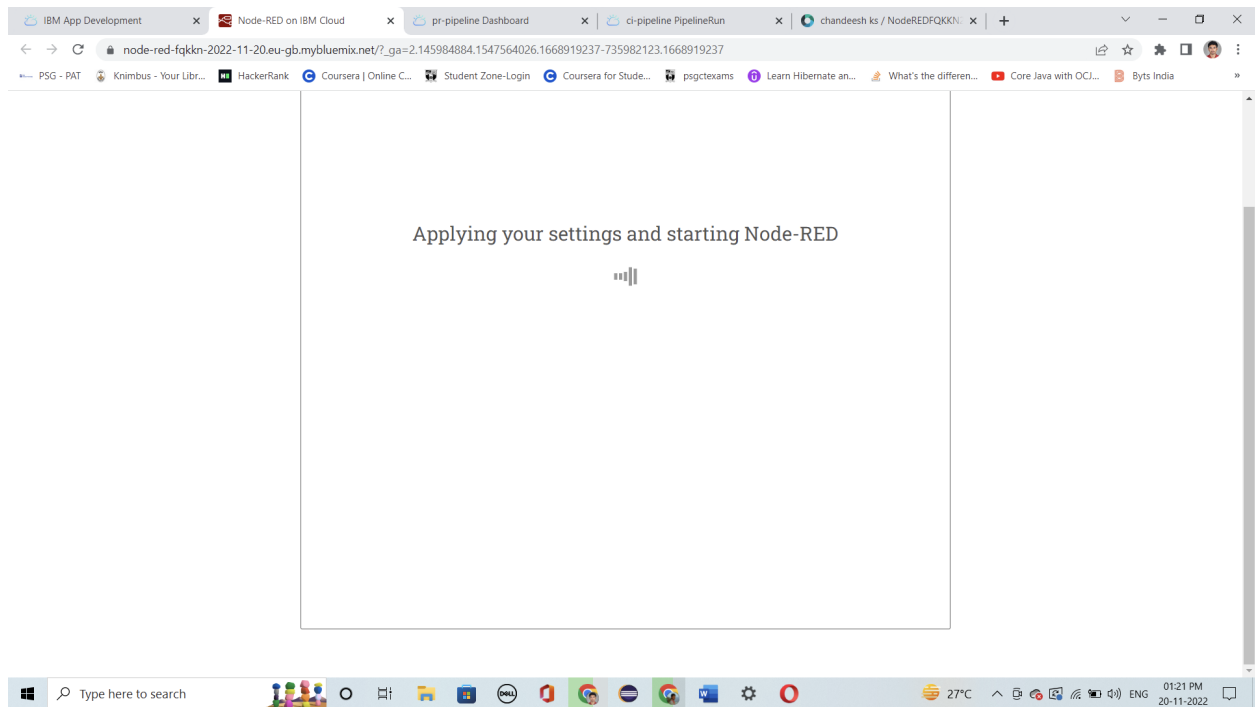
Welcome to your new Node-RED instance on IBM Cloud

We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:

- Secure your Node-RED editor
- Learn how to install additional nodes

Type here to search

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IBM App Development x Node-RED : node-red-fqkn-202 x pr-pipeline Dashboard x ci-pipeline PipelineRun x chandeesh ks / NodeREDFQKN: x +

node-red-fqkn-2022-11-20.eu-gb.mybluemix.net/red/#flow/b469c7c45bf8e913

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Node-RED

filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range

Flow 1

Hello Node-RED!

msg.payload

info

Search flows

- Flows
 - Flow 1
- Subflows
- Global Configuration Nodes

Hello Node-RED!

Node "b1b11140.4e4ef"

Type inject

show more

Dragging a node onto a wire will splice it into the link

Type here to search

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Edit inject node

Delete

Cancel

Done

⚙ Properties



🔖 Name

Name



msg. payload

=



a_z

Hello Node-RED!



msg. topic

=



a_z



+ add

inject now

☐ Inject once after 0.1 seconds, then

🔄 Repeat

none



☐ Enabled

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Node-RED

filter nodes

Flow 1

inject debug complete catch status link in link call link out comment

function function switch change

msg.payload

info

Search flows

- Flows
 - Flow 1
- Subflows
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msg.payload

Node "f2f2649a.0d0d98"

Type debug

show more

Hold down **ctrl** when you **click** on a node to add or remove it from the current selection

Type here to search

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Node-RED

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