

Create Node-Red Service-B8-2A4E

→ To create a web application create a Node Red Service

TEAM ID : PNT2022TMID33893

Step 1: Go to IBM cloud and click the catalog and go to node red

The screenshot shows the IBM Cloud Developer console interface. The browser address bar displays the URL: `https://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 navigation menu with "About" and "Create" tabs. The "About" tab is active, showing details about the Node-RED starter kit. The main content area is titled "Overview" and contains the following text: "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." Below this, a section titled "This starter kit will help you" lists three bullet points: "Generate an application with Node-RED", "Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline", and "Connect to provisioned services". A section titled "What's included?" features a Cloudant logo and the text "Free to start" with a "View pricing" link. At the bottom of the page, there is a blue "Get started" button. The bottom of the screenshot shows the Windows taskbar with the search bar, task view button, and several application icons. The system tray shows the date and time as 14:15 on 07-11-2022, along with weather and network status.

IBM Cloud

Search resources and products...

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Catalog / Create app /

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

Get started

Waiting for 684d0d41.aksta.io...

Type here to search

31°C Cloudy

14:15

07-11-2022

ENG

ASK A QUESTION

Step 2: Create and choose the pricing plan and deploy your app

MIT App Inventor X MIT App Inventor X Service Details - IBM X IBM Watson IoT Plat X Node-RED X Node-RED Dashboar X IBM App Developme X

https://cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud Search resources and products... Catalog Manage Sajeetha Banu S's Account

Node RED YXGNR 2022-11-07

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default

Tags ⓘ

version-1 X

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 Sydney Resource group Default

Pricing plan

node-red-rhukp-2022--cloudant-1666681718563

Step 3: Choose API Key and fill the details and press next

Node RED YXGNR 2022-11-07 version-1

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

11/7/2022

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.

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 container from the app directory:

Type here to search

31°C Cloudy

14:18

07-11-2022

ASK A QUESTION

[Resource list](#) / [App details](#) /

Node RED YXGNR 2022-11-07

☒ 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

NodeREDYXGNR2022-11-07

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

Region

Dallas

[Back](#) [Create](#)



Getting started with apps



ASK A QUESTION

Step 4: Click next

contamenized application workloads to highly available clusters.

available clusters that come installed with Red Hat OpenShift on IBM Cloud.

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

on a managed serverless platform. Auto-scale workloads, and pay only for the resources that you consume.

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

IBM Cloud API key

.....

Number of instances

1

Memory allocation per instance

64 MB ————— 2000 MB 256

Region Organization Space

Frankfurt Sajee950819 dev

Host Domain

node-red-yxgnr-2022-11-07 eu-de.mybluemix.net

Step 5: Select connect existing services.

The screenshot shows the IBM Cloud Developer console interface. At the top, a browser window displays the URL `https://cloud.ibm.com/developer/appservice/apps/99e1c09c-91f0-4941-beb7-e891974e876f`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (Sajeetha Banu S's Account).

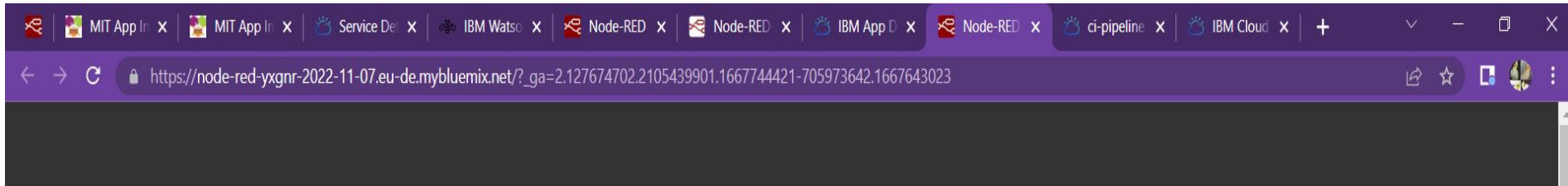
The main content area displays the details for an application named "Node RED YXGNR 2022-11-07" (version-1). The details section includes the App URL, Source, Resource group, Deployment target, and Created date. The Services section shows the Cloudant service and links to the Open dashboard, Documentation, and API reference. The Deployment Automation section shows the Name, Location, and Tool integrations. The Delivery Pipelines section shows the Name and Status for two pipelines: "pr-pipeline" and "ci-pipeline".

On the right side, there is a "Getting started quickly" section with a list of steps for configuring the app. The steps are:

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.

At the bottom of the Services section, there are two buttons: "Connect existing services" and "Create service".

Step 6: After successfully completed, refresh the page and click the app URL.

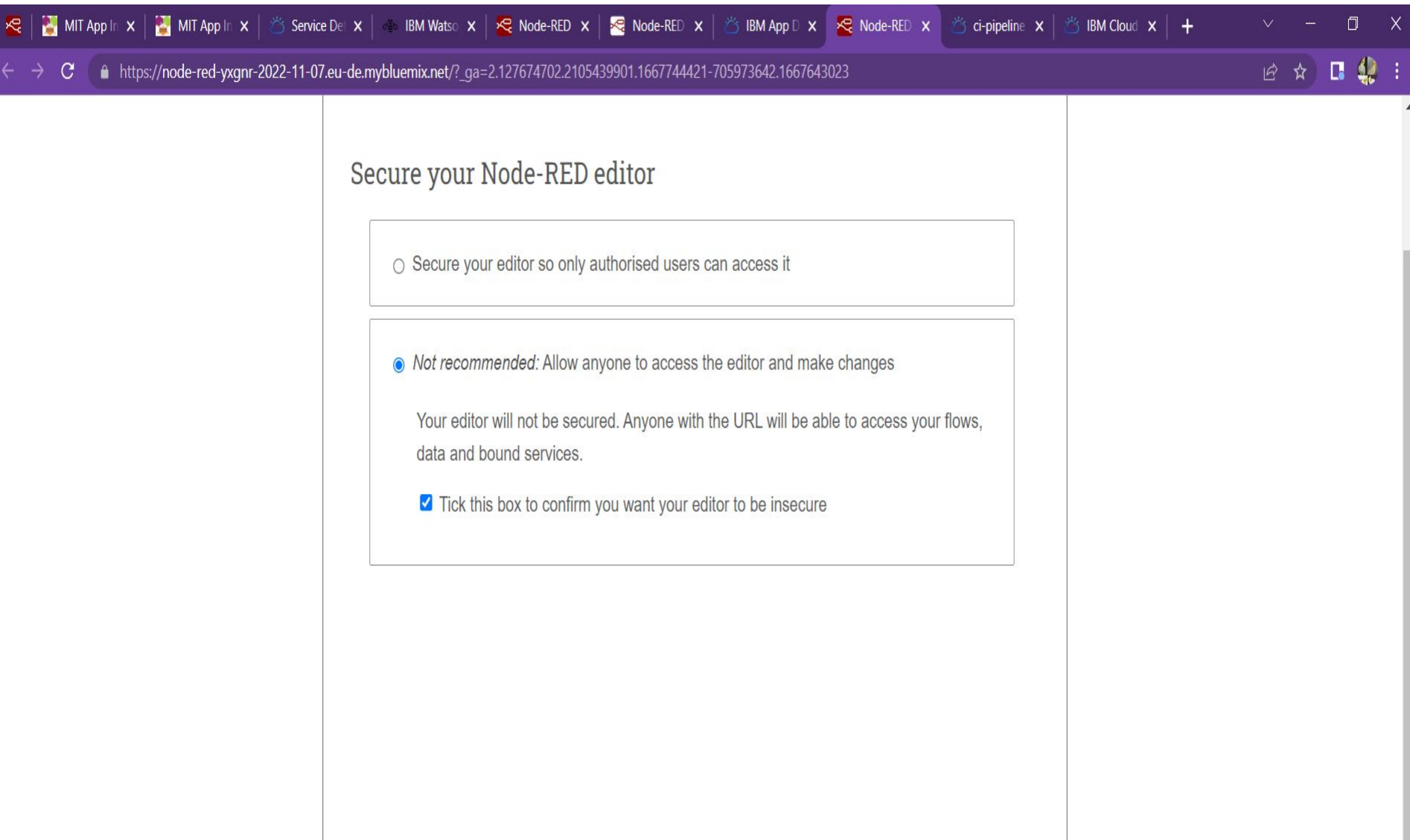


Welcome to your new Node-RED instance on IBM Cloud

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

Step 7: After click next and click not recommended for username



The screenshot shows a web browser window with the URL `https://node-red-yxgnr-2022-11-07.eu-de.mybluemix.net/?_ga=2.127674702.2105439901.1667744421-705973642.1667643023`. The browser's tab bar shows several open tabs, including 'MIT App In', 'Service De', 'IBM Watson', 'Node-RED', 'IBM App', and 'ci-pipeline'. The main content area is titled 'Secure your Node-RED editor' and contains two radio button options. The first option is 'Secure your editor so only authorised users can access it'. The second option is selected and is labeled 'Not recommended: Allow anyone to access the editor and make changes'. Below this selected option, there is a warning message: 'Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.' and a checkbox that is checked, with the text 'Tick this box to confirm you want your editor to be insecure'.

Secure your Node-RED editor

☐ Secure your editor so only authorised users can access it

☒ *Not recommended:* Allow anyone to access the editor and make changes

Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.

☒ Tick this box to confirm you want your editor to be insecure

Step 8: Click finish and finish the install.



Finish the install

You have made the following selections:

- *Not recommended:* Allow anyone to access the editor and make changes

You can change these settings at any time by setting the following environment variables via the IBM Cloud console:

- `NODE_RED_USERNAME` - the username
- `NODE_RED_PASSWORD` - the password
- `NODE_RED_GUEST_ACCESS` - if set to 'true', allows anyone read-only access to the editor

Step 9: Click Go to Node-Red and start your work

The screenshot shows a web browser with multiple tabs. The active tab is Node-RED, displaying the URL `https://node-red-yxgnr-2022-11-07.eu-de.mybluemix.net/red/#flow/a0057e80dcdbb15c`. The Node-RED interface features a left sidebar with a 'filter nodes' search bar and two categories: 'common' and 'function'. The 'common' category is expanded, showing nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' category shows a 'function' node. The main workspace, titled 'Flow 1', contains a flow with two nodes: a blue 'inject' node with the text 'Hello Node-RED!' and a green 'msg.payload' node. A wire connects the output of the 'inject' node to the input of the 'msg.payload' node. The right sidebar has an 'info' tab with a search bar and a list of flows, including 'Flow 1'. Below this, a section for 'Flow 1' shows its ID as 'a0057e80dcdbb15c'.