

Create Node-Red Service-PNT2022TMID53925

→To create a web application create a Node Red Service

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

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 Cloudfoundry 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?



Cloudfoundry

Free to start [View pricing](#)

[View docs](#) [View API reference](#)

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

The screenshot shows the IBM Cloud Developer console interface. At the top, there's a navigation bar with the IBM Cloud logo and a search bar. Below this, the main content area displays the configuration for a new application. The application name is "Node RED YXGNR 2022-11-07". A note indicates that the name can be changed to a value between 2 and 128 characters. The "Resource group" is set to "Default". Under the "Tags" section, a tag "version-1" is added. The "Platform" is set to "Node.js". The "Service details" section is partially visible at the bottom.

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 ✕

Platform

☒ Node.js

Service details

Cloudant

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

Step 4: Click next

MIT App Inventor x MIT App Inventor x Service Details x IBM Watson IoT x Node-RED x Node-RED Dash x IBM Ap

← → ↻ https://cloud.ibm.com/developer/appservice/apps/99e1c09c-91f0-4941-beb7-e891974e876f

IBM Cloud

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Containerized 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

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👁 🗑 🔑

New +

Number of instances

1

▾

Memory allocation per instance

64 MB

▬

2000 MB

256

Region

Organization

Space

Frankfurt ▾

Sajee950819 ▾

dev ▾

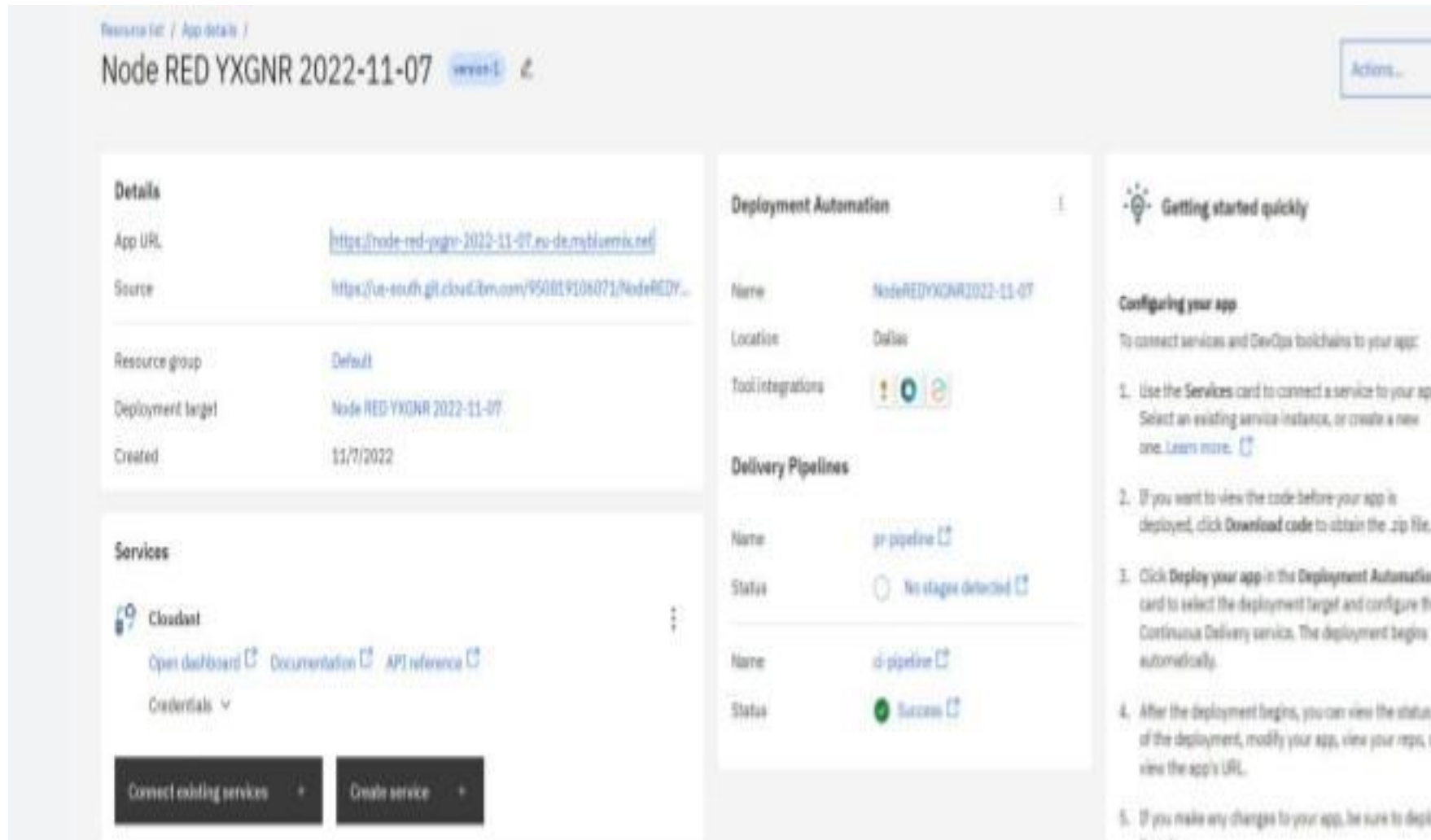
Host

Domain

node-red-vxgnr-2022-11-07

eu-de.mybluemix.net ▾

Step 5: Select connect existing services.



Resource list / App details /


Node RED YXGNR 2022-11-07 version 1

Actions...

Details

App URL	https://node-red-yxgnr-2022-11-07.eu-de.mybluemix.net/
Source	https://us-east1.git.cloud.ibm.com/950819108071/NodeREDY...
Resource group	Default
Deployment target	Node RED YXGNR 2022-11-07
Created	11/7/2022

Services




 Cloudant

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


[Credentials](#)


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

Deployment Automation

Name	NodeREDYXGNR2022-11-07
Location	Default
Tool integrations	  

Delivery Pipelines

Name	gr-pipeline
Status	 No stages detected

Name	cd-pipeline
Status	 Success

Getting started quickly

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4. After the deployment begins, you can view the status of the deployment, modify your app, view your repos, or view the app's URL.
5. If you make any changes to your app, be sure to deploy it.

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

Step 7: After click next and click not recommended for

Secure your Node-RED editor

☐ Secure your editor so only authorised users can access it

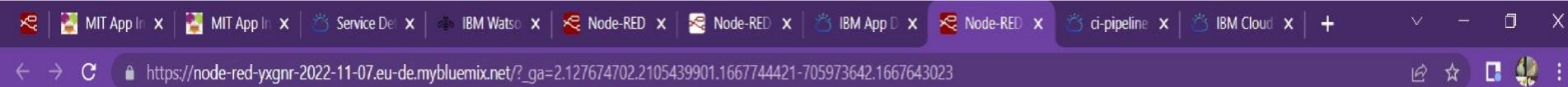
☒ *Not recommended:* Allow anyone to access the editor and make changes

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

username

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 window 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 of nodes: 'common' and 'function'. The 'common' category includes nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' category includes 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 and a 'Deploy' button. Below the 'info' tab is a search bar for flows. The 'Flows' section lists 'Flow 1' as the active flow. The 'Subflows' and 'Global Configuration Nodes' sections are currently empty. At the bottom of the right sidebar, a table shows the flow's ID: 'a0057e80dcdbb15c'.

Flow	ID
Flow 1	"a0057e80dcdbb15c"