

CREATION AND CONFIGURATION OF IBM CLOUD SERVICES

Team ID	PNT2022TMID01159
Project name	Hazardous area monitoring for industrial power plants using IOT

Creation of Node-red service

The screenshot shows the IBM Cloud console interface for a service named "Node RED TGRNQ 2022-11-08". The interface is divided into several sections:

- Details:** Displays the App URL, Source (https://eu-de.git.cloud.ibm.com/yathnisi31/NodeREDTGRNQ-t...), Resource group (Default), Deployment target (You must deploy your app first), and Created date (11/8/2022).
- Services:** Shows the Cloudant service with links to Open dashboard, Documentation, and API reference. There are buttons for "Connect existing services" and "Create service".
- Deployment Automation:** Lists the toolchain "NodeREDTGRNQ-toolchain" located in Frankfurt. It shows two delivery pipelines: "pr-pipeline" (No stages detected) and "ci-pipeline" (Success).
- Getting started quickly:** A sidebar with a "Configuring your app" section. It provides a 5-step guide: 1. Use the Services card to connect a service to your app. 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. 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...

The screenshot shows the IBM Cloud console interface for a "ci-pipeline PipelineRun". The interface is divided into several sections:

- PipelineRuns:** A sidebar with links to Definitions, Worker, Triggers, Environment properties, and Other settings.
- simple-helm-976097d6-4ad2-43e6-b6d4-8b0bd0a93a0a:** The main section displays the pipeline run details. It shows a "Succeeded" status, 15 tasks completed, and a duration of 9m 1s. It also shows the triggerer (yathnisi31@gmail.com) and the worker (IBM Managed workers in FRANKFURT).
- Logs:** A section showing the execution logs for the "execute" task. The logs indicate that the API endpoint is https://cloud.ibm.com, the region is eu-de, and the account is NITHYASRI A's Account (2417ee2188b041beb6938cdc689217bc). The logs also show the targeted region (eu-de) and the resource group (No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP').

IBM Cloud

Search resources and products...

Q Catalog Manage NITHYASRI A's Account

Resource list / App details /

Node RED TGRNQ 2022-11-08 Add tags

Actions...

Details

App URL

http://159.122.174.217:30315

Source

https://eu-de.git.cloud.ibm.com/yathnisi31/NodeREDTGRNQ-t...

Resource group

Default

Deployment target

mycluster-free

Created

11/8/2022

Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Name

NodeREDTGRNQ-toolchain

Location

Frankfurt

Tool integrations

Delivery Pipelines

Name

pr-pipeline

Status

No stages detected

Name

ci-pipeline

Status

Success

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

ASK A QUESTION

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

Previous

Next

Node-RED

Flow-based programming for the Internet of Things

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.

[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.

The screenshot displays the Node-RED web interface. On the left, a sidebar contains a 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 'function', 'switch', 'change', and 'range'. The main workspace, titled 'Flow 1', shows 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. On the right, an 'info' sidebar shows a search bar and a list of flows, with 'Flow 1' selected. Below this, the details for 'Flow 1' are shown, including its ID 'abde9d184998b6b6'. At the bottom right, a message states: 'Dragging a node onto a wire will splice it into the link'.