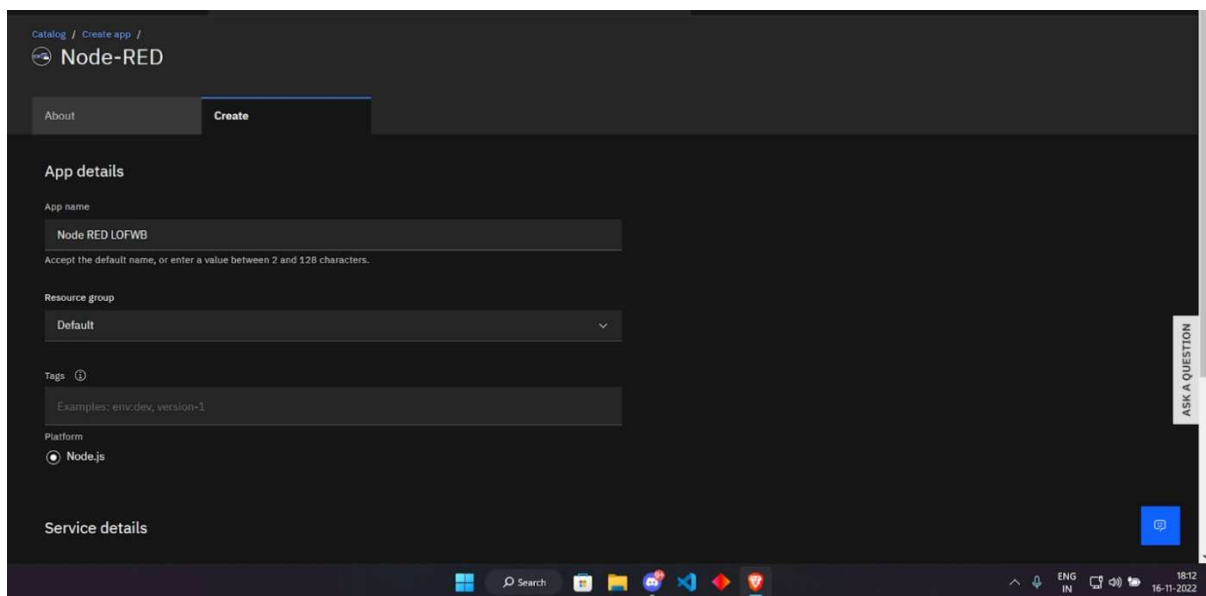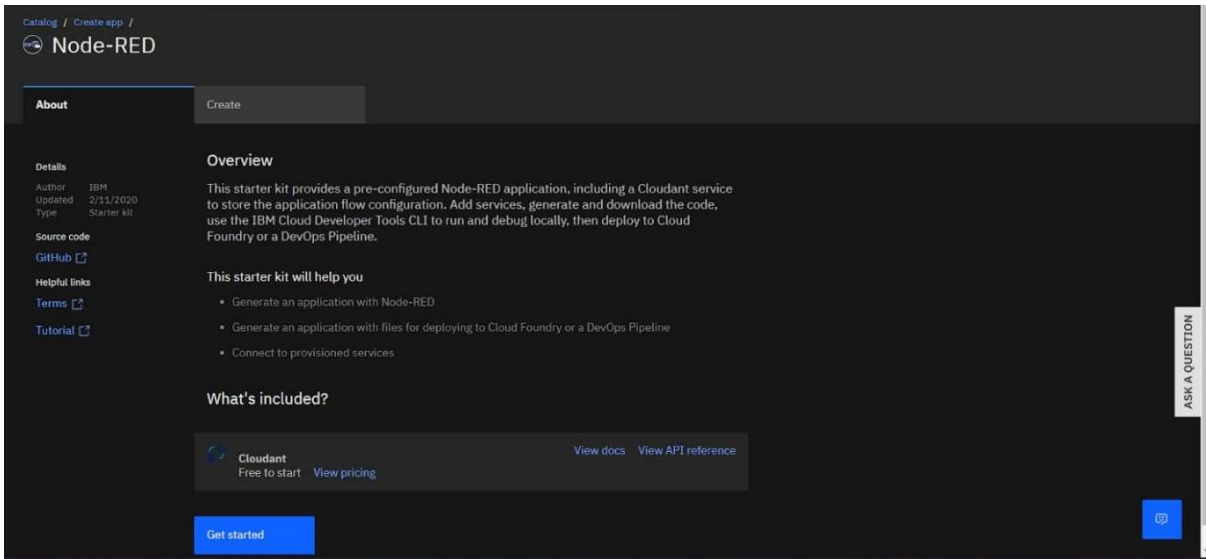# CREATE AND CONFIGURE IBM CLOUD SERVICES CREATE NODE-RED SERVICE

Team ID	PNT2022TMID21520
Project Name	Gas Leakage monitoring & Alerting system for Industries

Node RED LOFWB

◐ 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	Red Hat OpenShift	Cloud Foundry ✓	Code Engine
IBM	IBM	IBM	IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.	Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.	Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.	Run your app, job, or container on a managed serverless platform. Auto-scale workloads, and pay only for the resources that you consume.

ℹ IBM Cloud Foundry Public is deprecated.   Learn more ⤢   ✕

IBM Cloud API key

•••••••••••••••••••••••••••••••••••••••   👁 📋 🔑   New +

Getting started with apps

Step 1. Select the deployment target

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

IBM Cloud Foundry

Cloud Foundry is the premier indust Hide dard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud 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.

Resource list / App details /

Node RED QXYFW 2022-10-10

⊘ 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

NodeREDQXYFW2022-10-10

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

Region

Dallas   ⌄

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**.

Details

App URL	You must deploy your app first
Source	Download code ↓
Resource group	Default
Deployment target	You must deploy your app first
Created	10/10/2022

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.

🔄 Checking cache...

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

ASK A QUESTION

26°C Haze   Q Search   ENG IN   8:51 PM 17-11-2022

Node RED QXYFW 2022-10-10   Add tags ✎

Actions... ∨

Details

App URL	You must deploy your app first
Source	https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...
Resource group	Default
Deployment target	You must deploy your app first
Created	10/10/2022

Services

🔄 **Cloudant**   ⋮
Open dashboard 🔗   Documentation 🔗   API reference 🔗
Credentials ∨

Connect existing services +   Create service +

Deployment Automation   ⋮

Name	NodeREDQXYFW2022-10-10
Location	Dallas
Tool integrations	🔵 🔵 ⊘

Delivery Pipelines

Name	ci-pipeline 🔗
Status	◯ No stages detected 🔗
Name	pr-pipeline 🔗
Status	◯ No stages detected 🔗

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.

ASK A QUESTION

26°C Haze   Q Search   ENG IN   8:51 PM 17-11-2022

Screenshot 1:

Resource list / App details /

Node RED QXYFW 2022-10-10 Add tags

Actions...

Details

App URL — You must deploy your app first
Source — https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...

Resource group — Default
Deployment target — You must deploy your app first
Created — 10/10/2022

Services

Cloudant
Open dashboard   Documentation   API reference
Credentials

Connect existing services   +   Create service   +

https://cloud.ibm.com/devops/pipelines/tekton/5c39f028-17aa-4ea2-add2-082c06e940cb?e...

Deployment Automation

Name — NodeREDQXYFW2022-10-10
Location — Dallas
Tool integrations

Delivery Pipelines

Name — ci-pipeline
Status — ✅ Success

Name — pr-pipeline
Status — ○ No stages detected

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.

ASK A QUESTION

26°C Haze   Q Search   ENG IN   9:07 PM 17-11-2022

Screenshot 2:

Resource list / App details /

Node RED QXYFW 2022-10-10 Add tags

Actions...

Details

App URL — https://node-red-qxyfw-2022-10-10.mybluemix.net
Source — https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...

Resource group — Default
Deployment target — Node RED QXYFW 2022-10-10
Created — 10/10/2022

Services

Cloudant
Open dashboard   Documentation   API reference
Credentials

Connect existing services   +   Create service   +

Deployment Automation

Name — NodeREDQXYFW2022-10-10
Location — Dallas
Tool integrations

Delivery Pipelines

Name — ci-pipeline
Status — ✅ Success

Name — pr-pipeline
Status — ○ No stages detected

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.

ASK A QUESTION

26°C Haze   Q Search   ENG IN   9:18 PM 17-11-2022