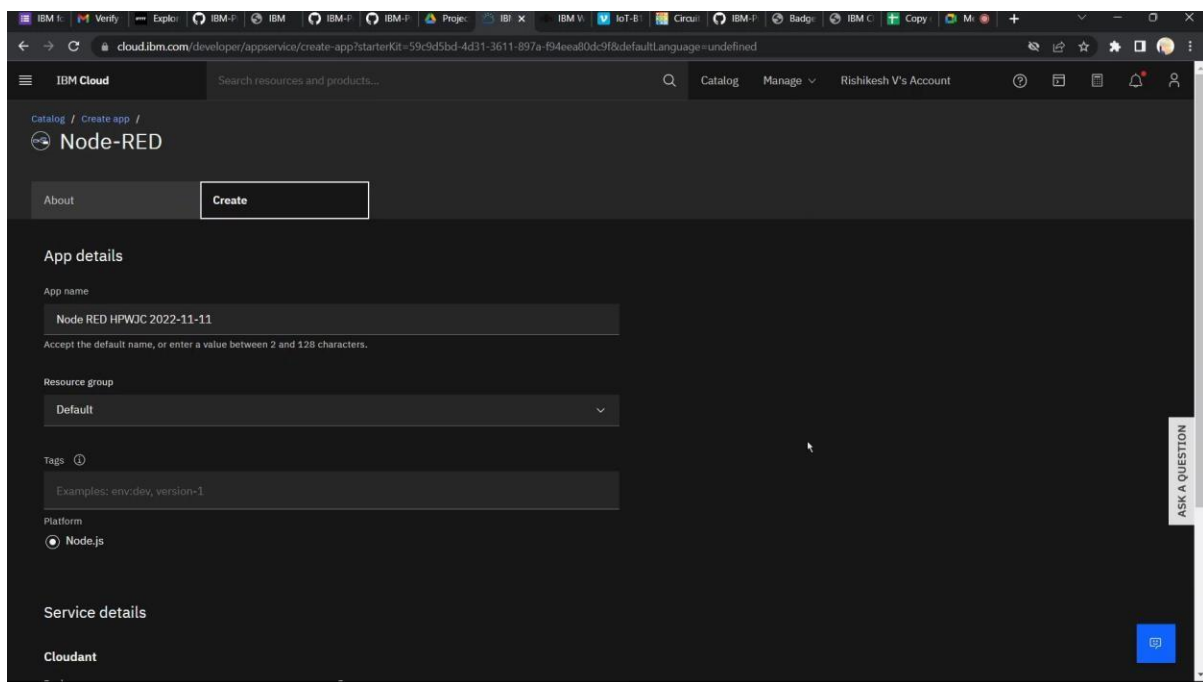
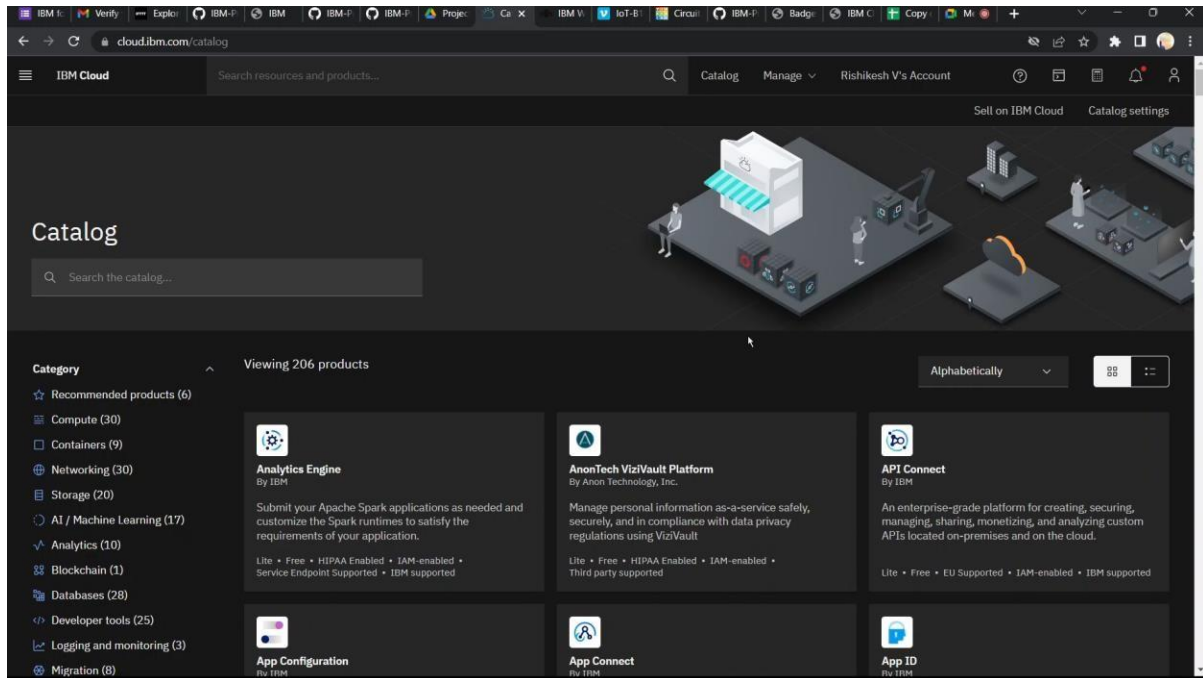


Create Node-RED Service

Team ID	PNT2022TMID54370
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES



IBM Cloud

Search resources and products...

Cloud Foundry Orgs / ILOVEGAS

Spaces Users Domains Info

Add a space

Name	Region	ID	Manager	Date Created	Actions
RISHI	United Kingdom	f8bcc4-1be7-41ed-b56d-9be2c8dd396	✓	11/11/2022	

IBM Cloud

Search resources and products...

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 IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.

Red Hat OpenShift IBM
Deploy your available cloud native applications on OpenShift.

IBM Cloud Foundry Public is deprecated. Learn more

IBM Cloud API key

IBM Cloud API key

The value is required.

Number of instances

1

Memory allocation per instance

64 MB 2866 MB 256

Create a new API key with full access

Warning: This will create a new API key that allows anyone who has it the ability to do anything you could do. You can improve your security posture by using the IAM UI to create a service ID API key that limits access to only what your pipeline requires, and then pasting that into the template UI instead. For more information on API keys and access see the IAM documentation.

Name	Description
API Key for NodeREDHPWJC2022-11-11	

☐ Save this key in a secrets store for reuse

Cancel OK

IBM Cloud

Search resources and products...

Catalog

Manage

Rishikesh V's Account

deployment.

resources that you consume.

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

IBM Cloud API key

.....

New

Number of instances

1

Memory allocation per instance

64 MB

2868 MB

256

Region

London

Organization

ILOVEGAS

Space

RISHI

Host

node-red-hpwjc-2022-11-11

Domain

eu-gb.mybluemix.net

Cancel

Next

ASK A QUESTION

IBM Cloud

Search resources and products...

Catalog

Manage

Rishikesh V's Account

Resource list / App details /

Node RED HPWJC 2022-11-11

Add 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

11/11/2022

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.

ASK A QUESTION

cloud.ibm.com/developer/appservice/apps/396256d8-c482-455f-8da4-c0dbd221d377

IBM Cloud Search resources and products... Catalog Manage Rishikesh V's Account

Node RED HPWJC 2022-11-11 [Add 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 11/11/2022

Services

Cloudant

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

Credentials

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

Deployment Automation

Name NodeREDHPWJC2022-11-11

Location London

Tool integrations

Delivery Pipelines

Name pr-pipeline

Status No stages detected

Name ci-pipeline

Status In progress

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.

ASK A QUESTION

cloud.ibm.com/devops/pipelines/tekton/7e5c596f-0289-40c0-bda1-38efd02e7581?env_id=ibmypeu-gb

IBM Cloud Search resources and products... Catalog Manage Rishikesh V's Account

ci-pipeline Dashboard

[Run pipeline](#)

PipelineRuns

Status: All Trigger: All

Run	Status
#1 simple-hosted-pipeline-e72c570a-21d2-4c5c-913c-cc6960c4edf6 Manual manual-run	Running Nov 11, 11:37 AM 2m 44s

Items per page: 25 1 - 1 items

ASK A QUESTION

cloud.ibm.com/developer/appservice/apps/396256db-c482-455f-8da4-c0b2d21d377

IBM Cloud Search resources and products...

Node RED HPWJC 2022-11-11 Add tags

Details

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

Source <https://eu-gb.git.cloud.ibm.com/rishikesh1113/NodeREDHPWJ...>

Resource group Default

Deployment target Node RED HPWJC 2022-11-11

Created 11/11/2022

Services

Cloudant

Open dashboard Documentation API reference

Credentials

Connect existing services Create service

Deployment Automation

Name NodeREDHPWJC2022-11-11

Location London

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 sure to deploy it again.

ASK A QUESTION

node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9

Node-RED

Deploy

Flow 1

inject

input

output

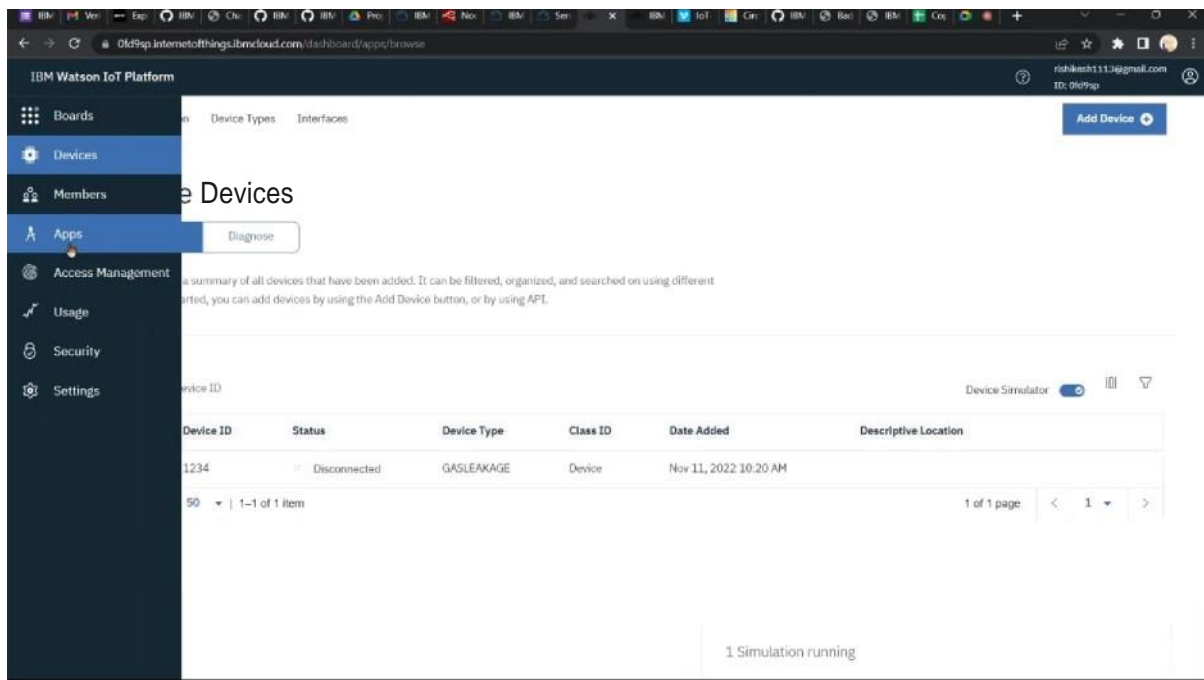
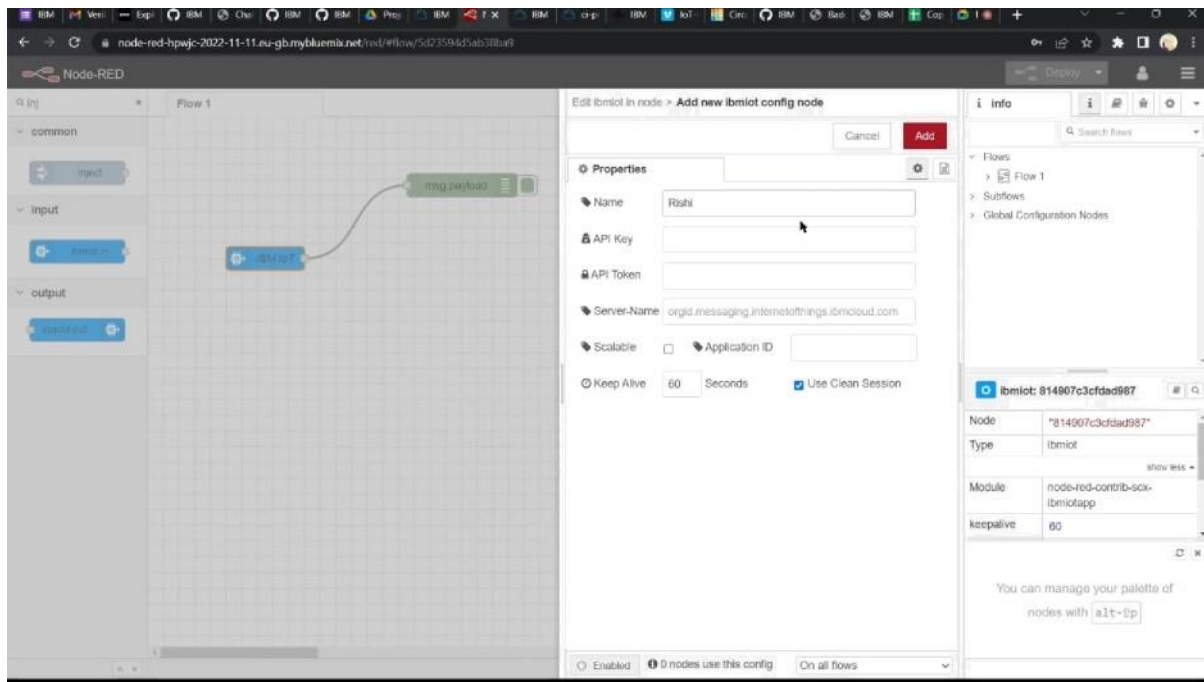
msg.payload

IBM IoT

Flow 1

Flow *5d23594d5ab38ba9*

Search for nodes using ctrl-f



Generate API Key

Description	
-------------	--

Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see API key connection.

Type the app description to search for

1 Simulation running

IBM Watson IoT Platform

Dashboard / Apps / Browse / Add

rihikash1113@gmail.com
ID: 01d9sp

Browse

IBM Cloud Apps

The API key has been added.

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.

Generated Details

API Key	a-01d9sp-e77gfyu1	Description	-
Authentication Token	f5aWMev7FzC7sukGth	Role	Standard Application
		Expires	Never

⚠

Make a note of the generated authentication tokens. Lost authentication tokens cannot be recovered. If you lose the token, you must re-register the API to generate a new token.

View API Key

Add Another

Close

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see API key connection.

1 Simulation running

node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9

Node-RED

Flow 1

common

- inject

input

- ibmiot in

output

- ibmiot out

msg.payload

Edit ibmiot in node > Add new ibmiot config node

Properties

- Name: Rishi
- API Key: a-0fd9sp-a77gfyou1
- API Token:
- Server-Name: orgid.messaging.internetofthings.ibmcloud.com
- Scalable: ☐ Application ID:
- Keep Alive: 60 Seconds ☒ Use Clean Session

Info

Flows

- Flow 1
- Subflows
- Global Configuration Nodes

ibmiot: 814907c3cfdad987

Node: "814907c3cfdad987"

Type: ibmiot

Module: node-red-contrib-scx-ibmiotapp

keepalive: 60

Hold down **ctrl** when you **click** on a node port to enable quick-wiring

Enabled 0 nodes use this config On all flows

node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9

Node-RED

Flow 1

common

- inject

input

- ibmiot in

output

- ibmiot out

msg.payload

connected

debug

all nodes

11/11/2022, 8:15:26 PM node: IBM IoT
msg: error
"TypeError: Cannot read properties of null (reading 'id')"

11/11/2022, 8:24:51 PM node: 020549a0d0d98
iot-2/type/GASLEAKAGE/id/1234/evd/pro1/fm/json
msg.payload: Object
{
 "randomNumber": 55,
 "temp": 46,
 "hum": 83
}

11/11/2022, 8:24:54 PM node: 020549a0d0d98
iot-2/type/GASLEAKAGE/id/1234/evd/pro1/fm/json
msg.payload: Object
{
 "randomNumber": 37,
 "temp": 28,
 "hum": 92
}

11/11/2022, 8:24:57 PM node: 020549a0d0d98
iot-2/type/GASLEAKAGE/id/1234/evd/pro1/fm/json
msg.payload: Object
{
 "randomNumber": 5,
 "temp": 72,
 "hum": 80
}

11/11/2022, 8:25:01 PM node: 020549a0d0d98
iot-2/type/GASLEAKAGE/id/1234/evd/pro1/fm/json
msg.payload: Object
{
 "randomNumber": 60,
 "temp": 36,
 "hum": 95
}

11/11/2022, 8:25:04 PM node: 020549a0d0d98
iot-2/type/GASLEAKAGE/id/1234/evd/pro1/fm/json
msg.payload: Object
{
 "randomNumber": 99,
 "temp": 33,
 "hum": 98
}

11/11/2022, 8:25:07 PM node: 020549a0d0d98