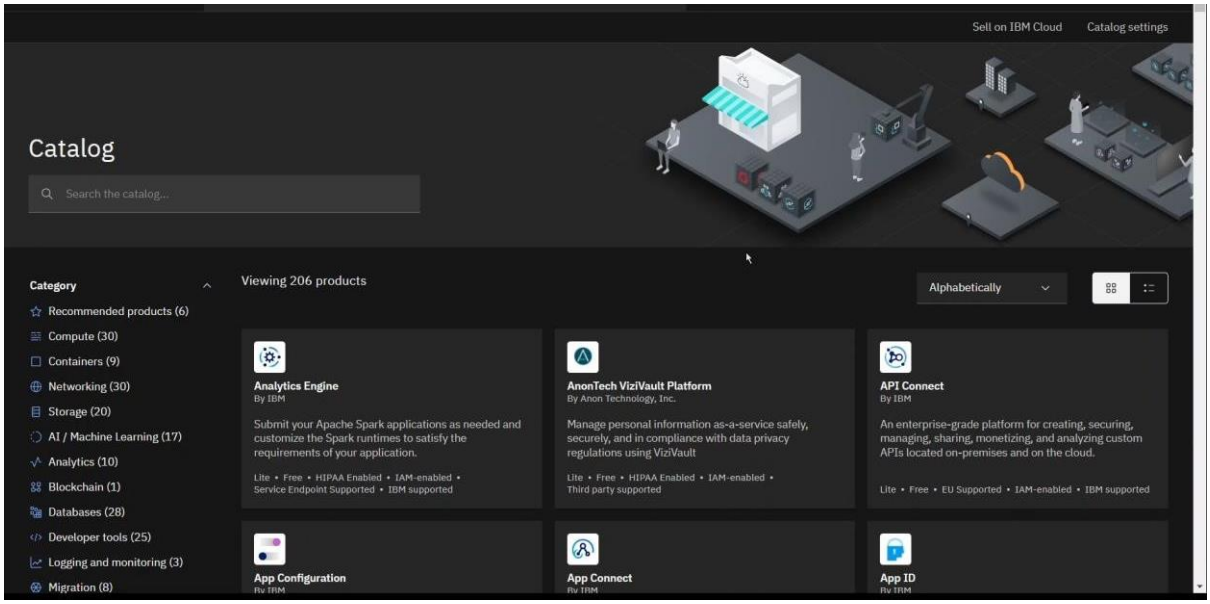
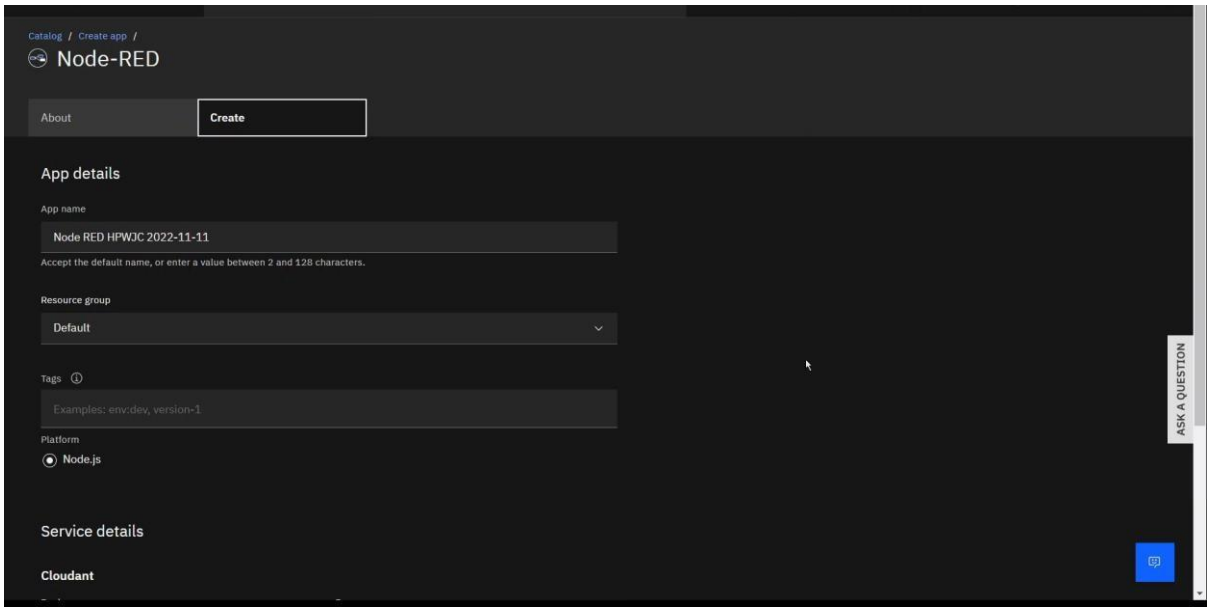
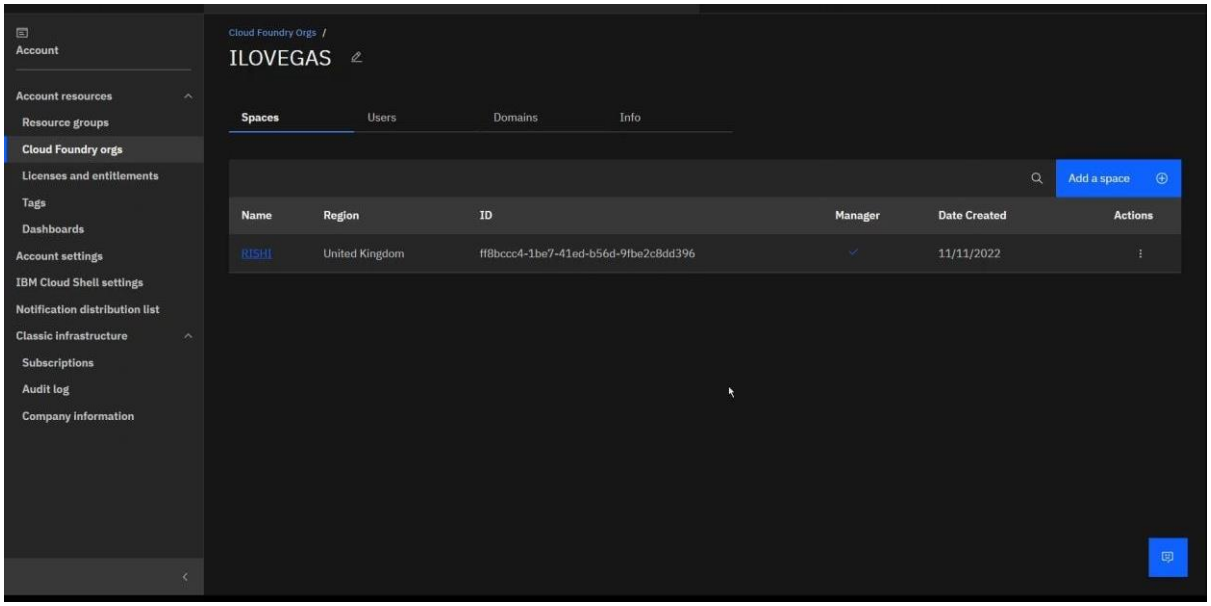
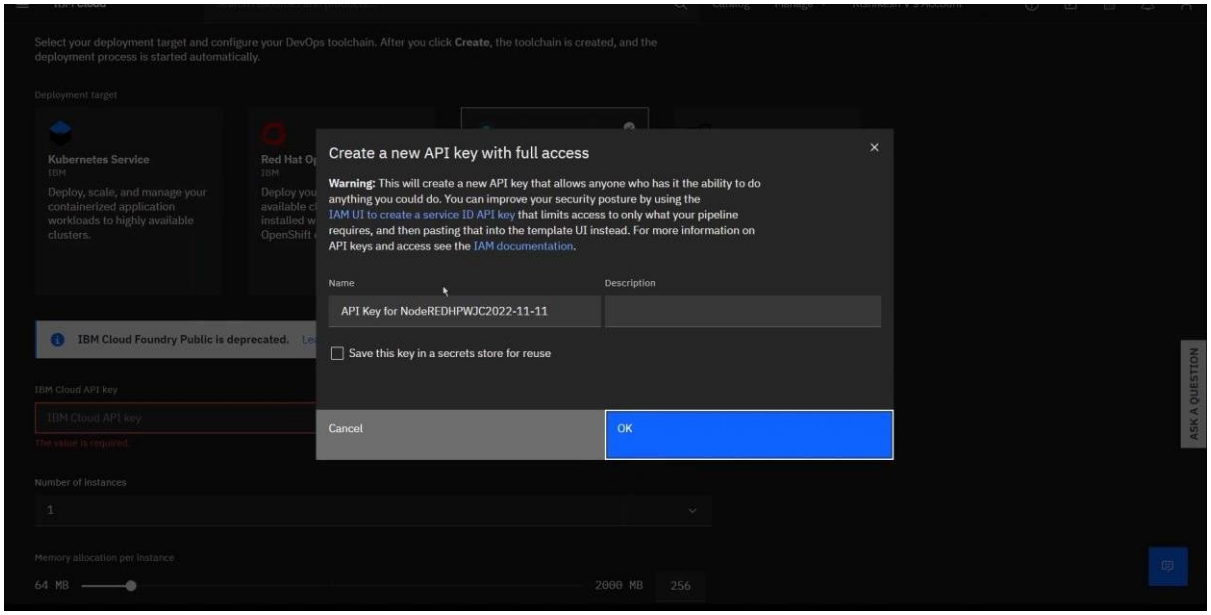
Create Node-RED Service

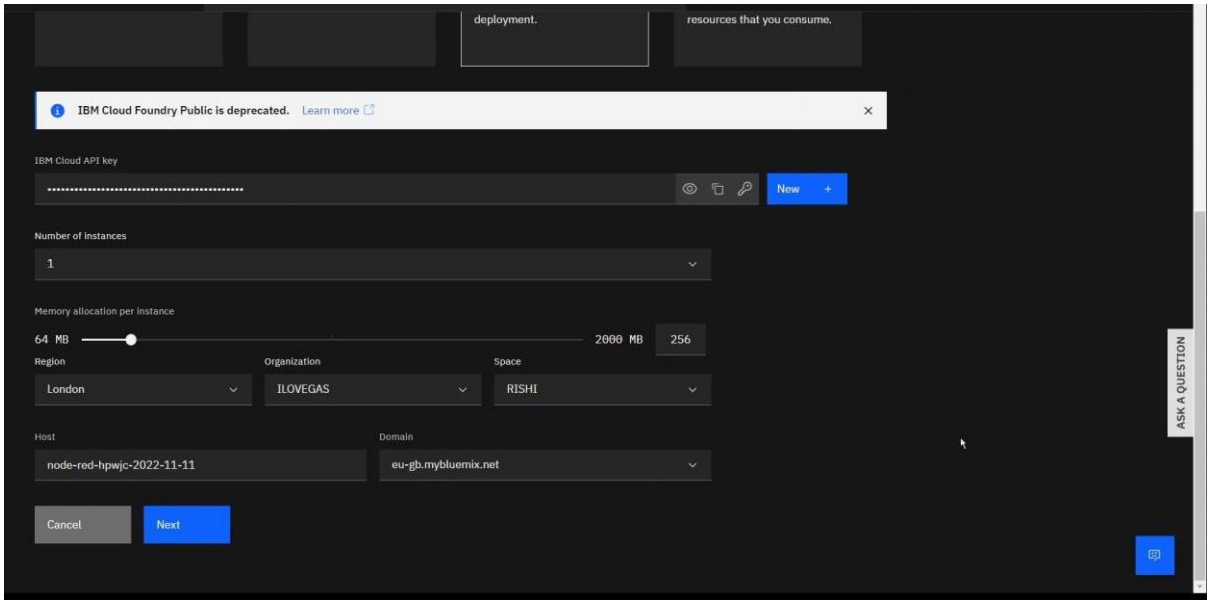
Team ID	PNT2022TMID49412
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

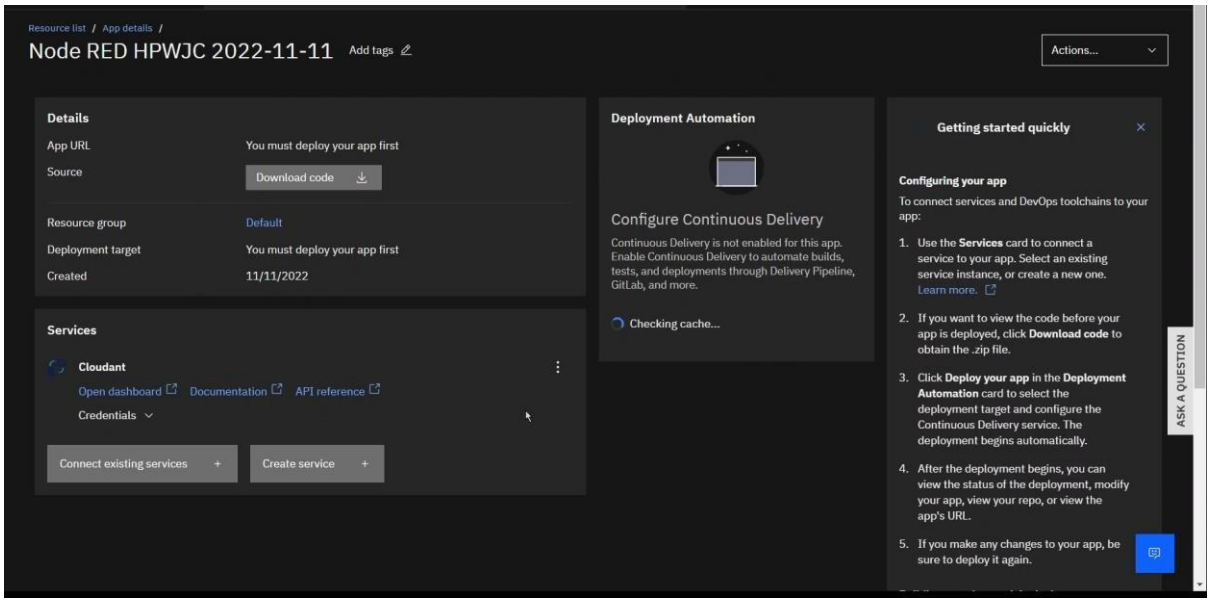


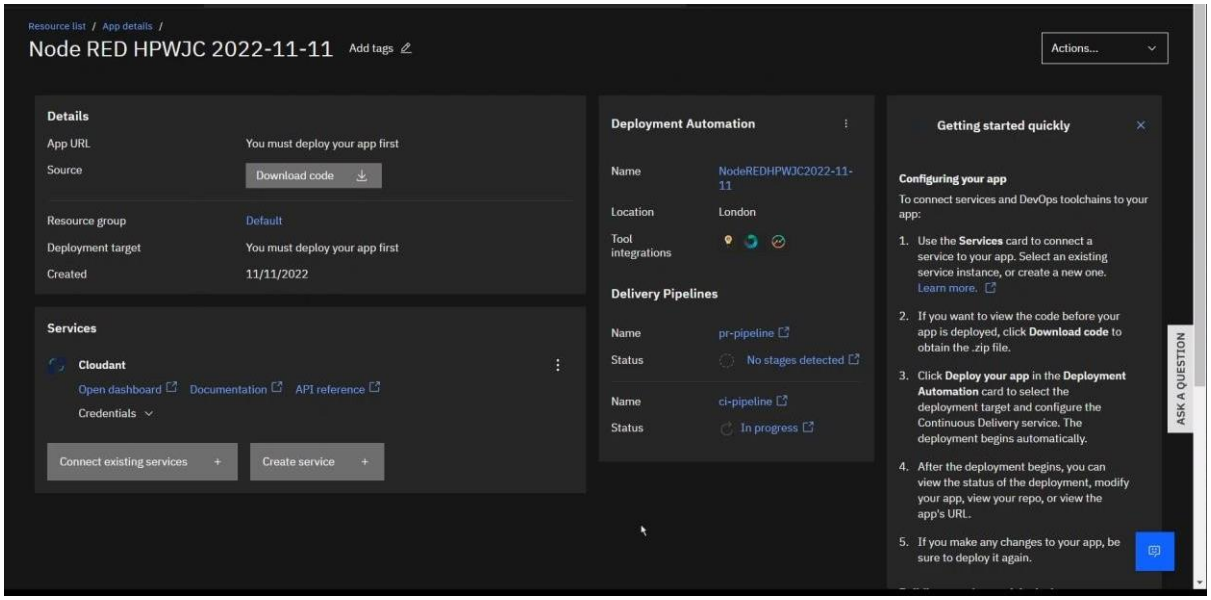


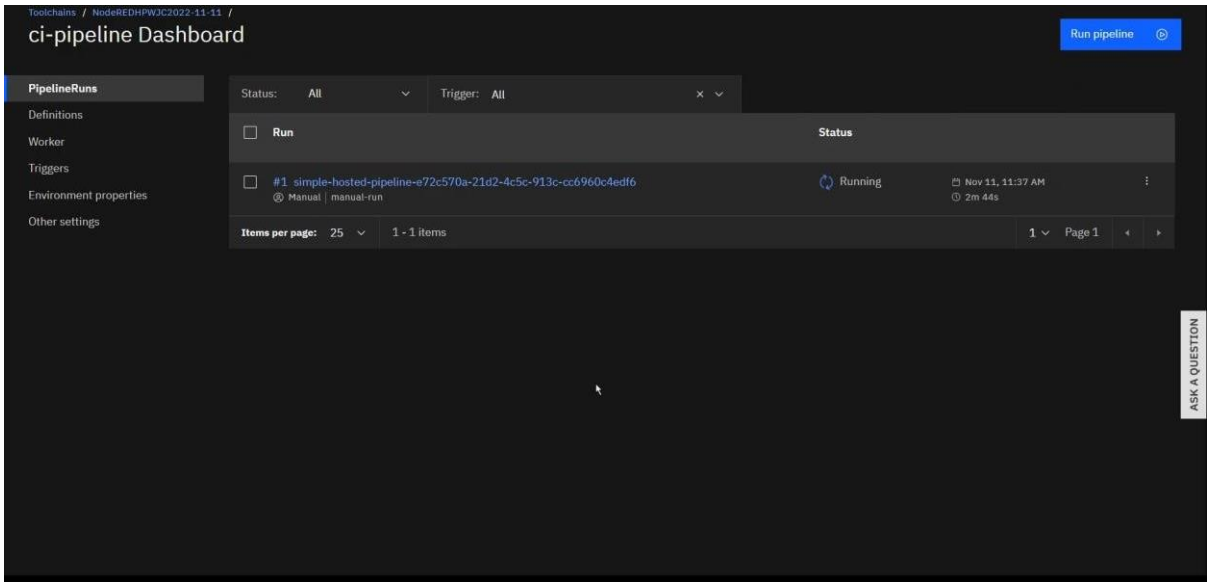

Account
Account resources
Resource groups
Cloud Foundry orgs
Licenses and entitlements
Tags
Dashboards
Account settings
IBM Cloud Shell settings
Notification distribution list
Classic infrastructure
Subscriptions
Audit log
Company information
Cloud Foundry Orgs /
ILOVEGAS
Spaces
Users
Domains
Info
Add a space
Name
Region
ID
Manager
Date Created
Actions
RISHI
United Kingdom
ff8bccc4-1be7-41ed-b56d-9fbe2c8dd396
11/11/2022

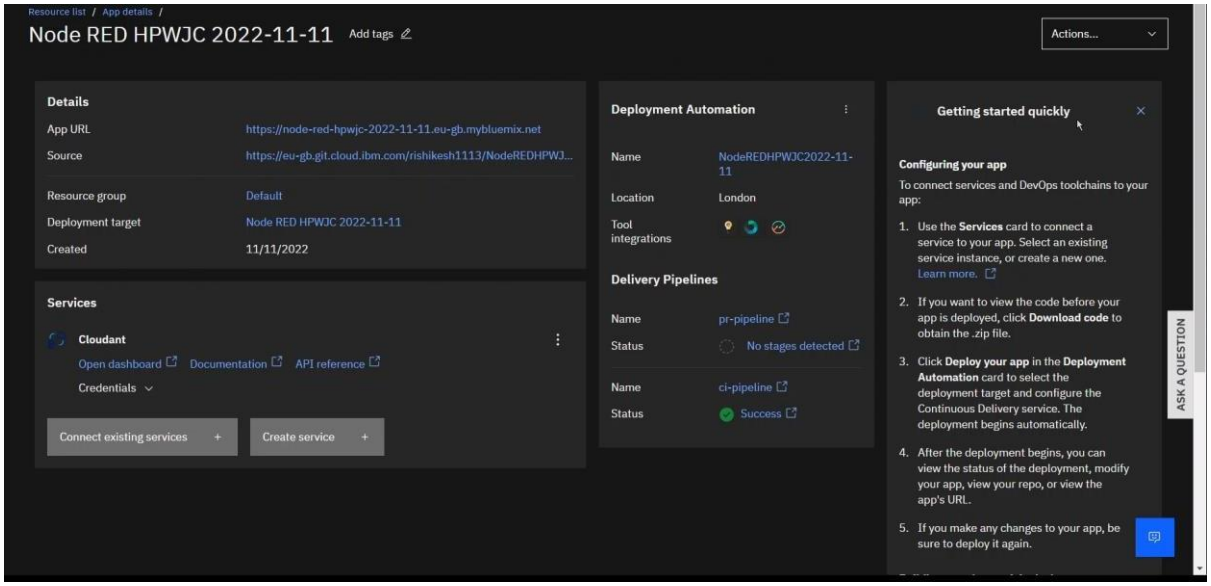

Select your deployment target and configure your DevOps toolchain. After you click Create, the toolchain is created, and the deployment process is started automatically.
Deployment target
Kubernetes Service
IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.
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 Foundry Public is deprecated.
IBM Cloud API key
IBM Cloud API key
The value is required
Number of instances
1
Memory allocation per instance
64 MB
2000 MB
256
ASK A QUESTION

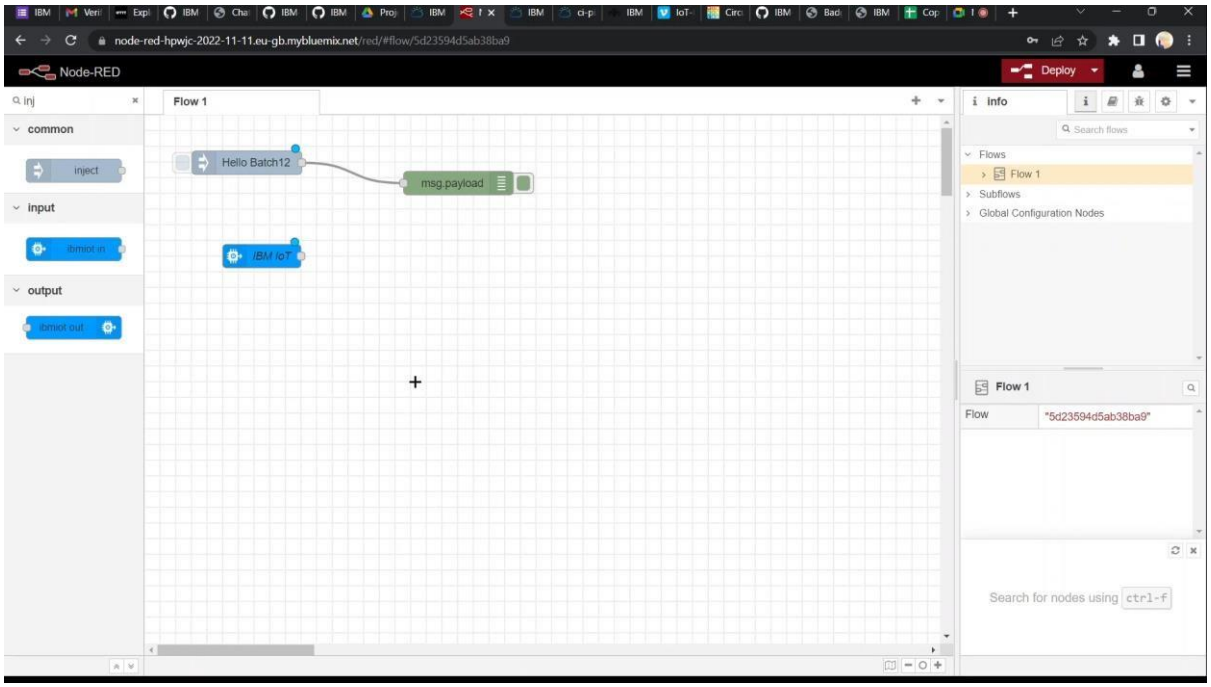

deployment.
resources that you consume.
IBM Cloud Foundry Public is deprecated. Learn more
IBM Cloud API key
New
Number of instances
1
Memory allocation per instance
64 MB
2000 MB
256
Region
London
Organization
ILOVEGAS
Space
RISHI
Host
node-red-hpwjc-2022-11-11
Domain
eu-gb.mybluemix.net
Cancel
Next
ASK A QUESTION

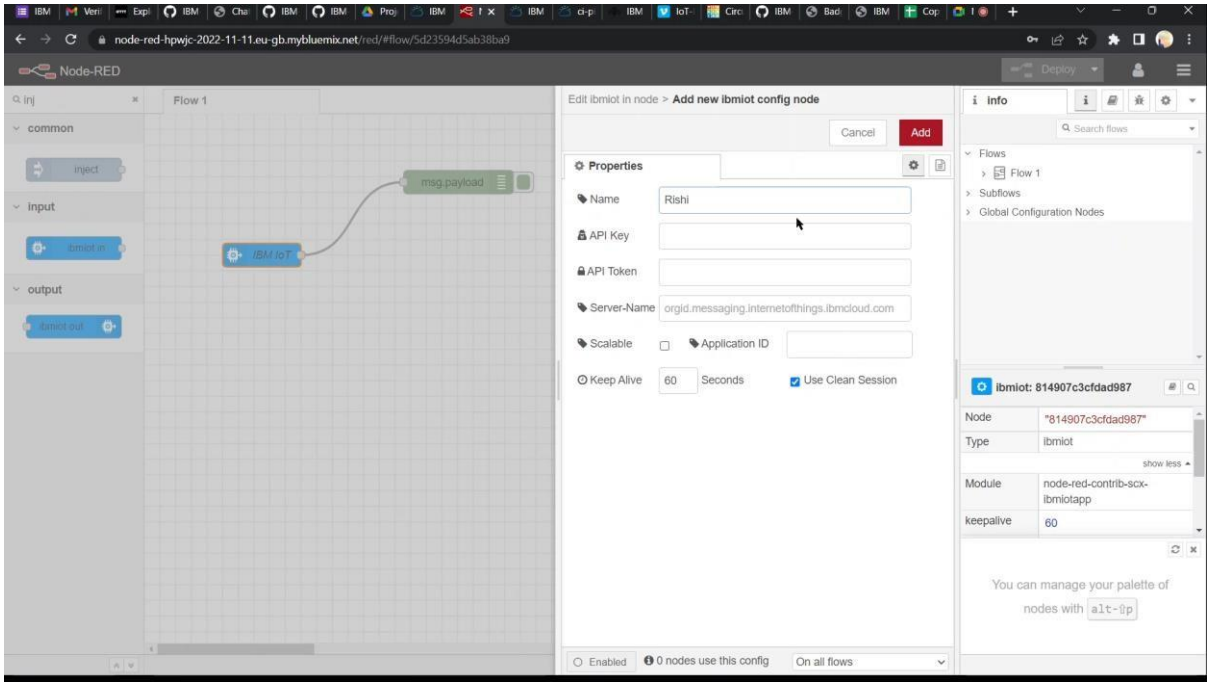

Resource list / App details /
Node RED HPWJC 2022-11-11
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
Download code
Resource group
Default
Deployment target
You must deploy your app first
Created
11/11/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
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

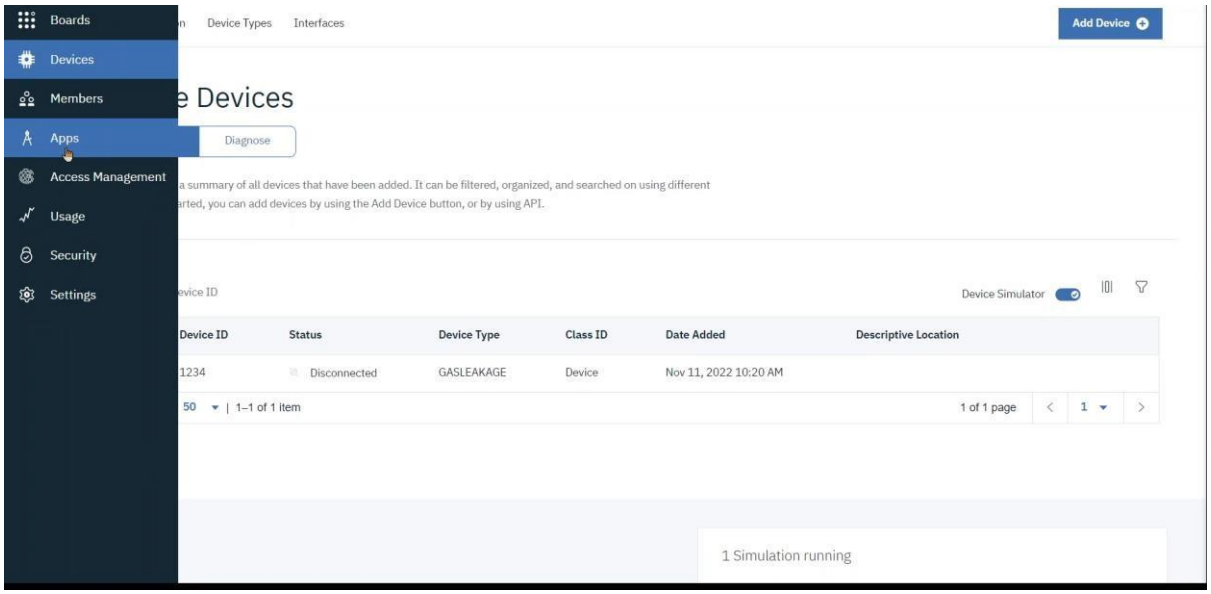

Resource list / App details /
Node RED HPWJC 2022-11-11
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
Download code
Resource group
Default
Deployment target
You must deploy your app first
Created
11/11/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
Deployment Automation
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

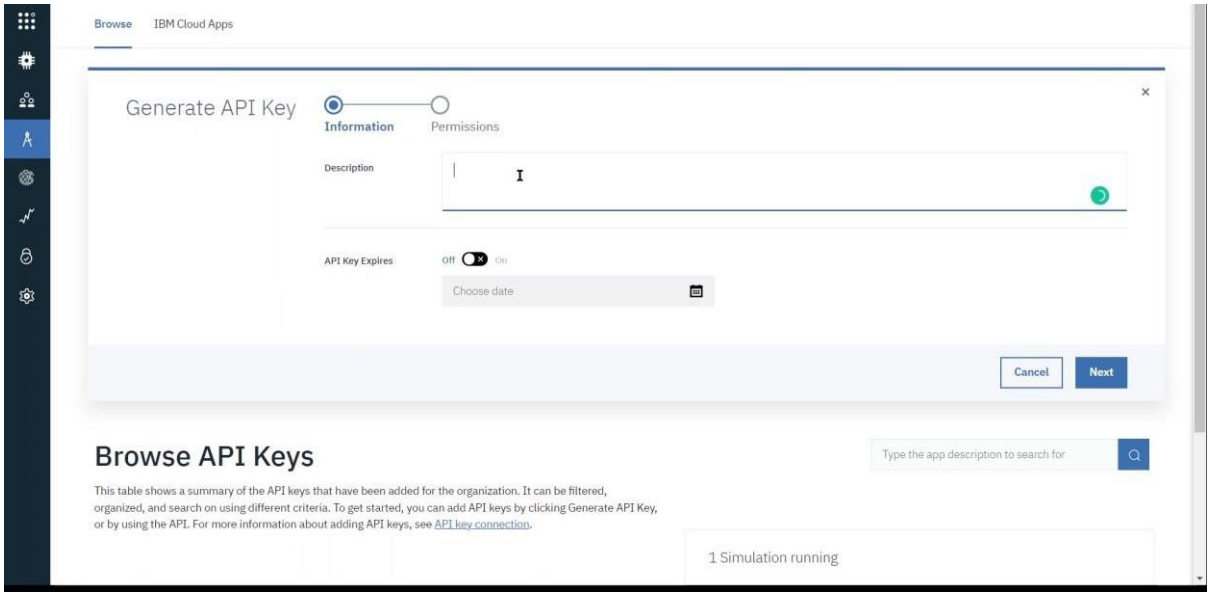

Toolchains / NodeREDHPWJC2022-11-11 /
ci-pipeline Dashboard
Run pipeline
PipelineRuns
Definitions
Worker
Triggers
Environment properties
Other settings
Status: All
Trigger: All
Run
Status
#1 simple-hosted-pipeline-e72c570a-21d2-4c5c-913c-cc6960c4edf6
Manual | manual-run
Running
Nov 11, 11:37 AM
2m 44s
Items per page: 25
1 - 1 items
1
Page 1
ASK A QUESTION

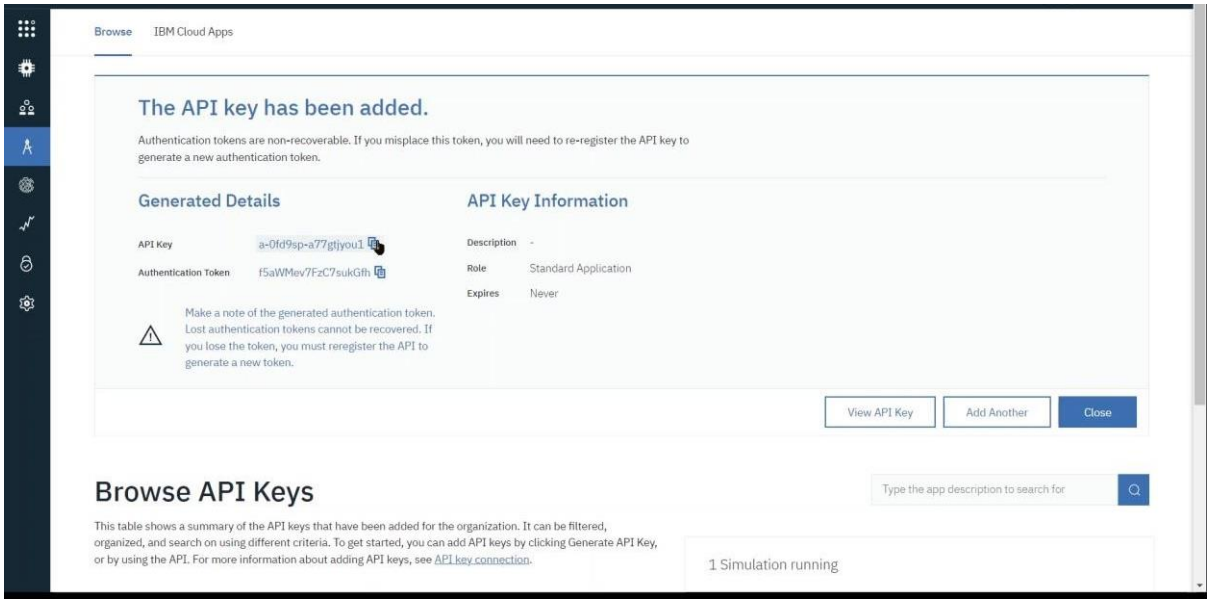

Resource list / App details /
Node RED HPWJC 2022-11-11
Add tags
Actions...
Details
App URL
https://node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net
Source
https://eu-gb.git.cloud.ibm.com/rishikesh1113/NodeREDHPWJ...
Resource group
Default
Deployment target
Node RED HPWJC 2022-11-11
Created
11/11/2022
Services
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

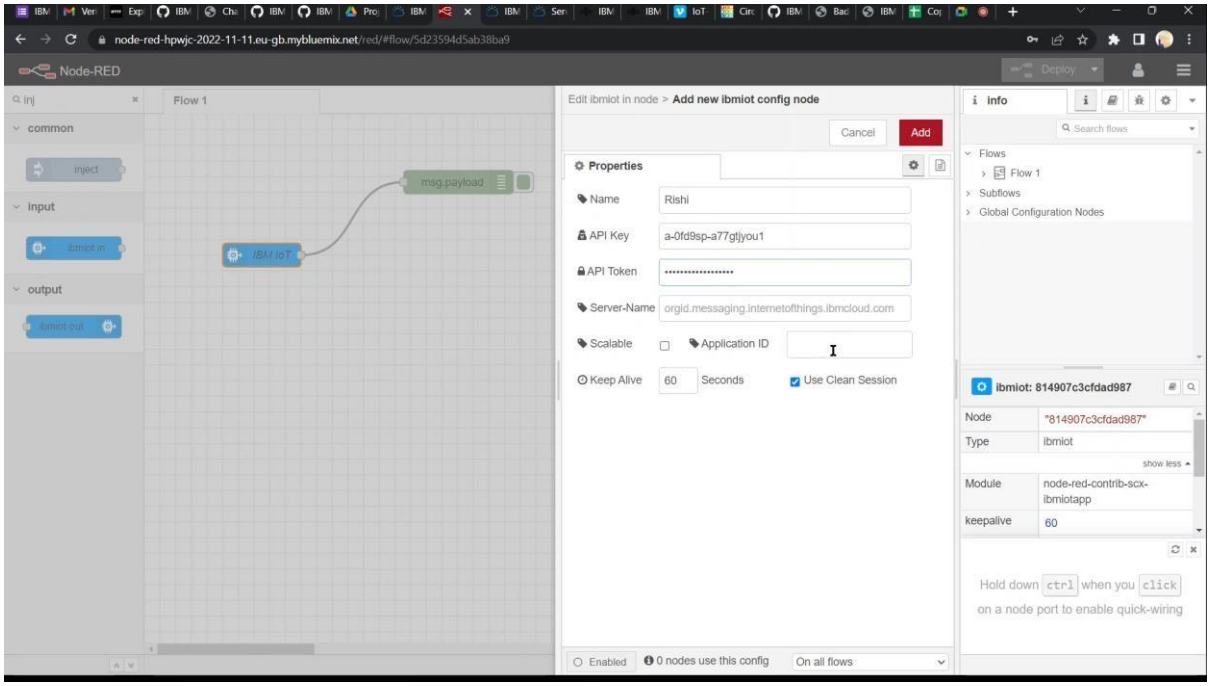

node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9
Node-RED
Deploy
inj
common
inject
input
ibmiot in
output
ibmiot out
Flow 1
Hello Batch12
msg.payload
IBM IoT
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
Flow 1
Flow
"5d23594d5ab38ba9"
Search for nodes using ctrl-f

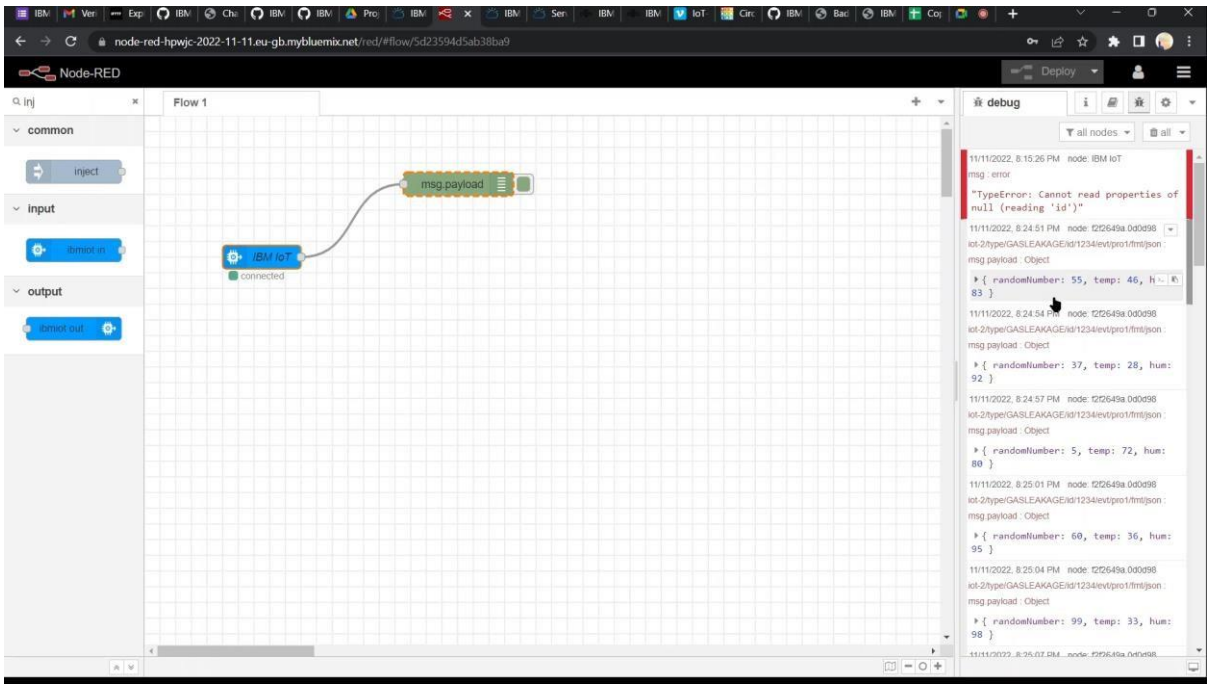

node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9
Node-RED
Deploy
Flow 1
common
inject
input
ibmiot in
output
ibmiot out
msg.payload
IBM IoT
Edit ibmiot in node > Add new ibmiot config node
Cancel
Add
Properties
Name
Rishi
API Key
API Token
Server-Name
orgid.messaging.internetofthings.ibmcloud.com
Scalable
Application ID
Keep Alive
60
Seconds
Use Clean Session
Enabled
0 nodes use this config
On all flows
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
ibmiot: 814907c3cfdad987
Node
"814907c3cfdad987"
Type
ibmiot
show less
Module
node-red-contrib-scx-ibmiotapp
keepalive
60
You can manage your palette of nodes with alt-⇧p


Boards
Devices
Members
Apps
Access Management
Usage
Security
Settings
Device Types
Interfaces
Add Device
e Devices
Diagnose
a summary of all devices that have been added. It can be filtered, organized, and searched on using different
arted, you can add devices by using the Add Device button, or by using API.
evice ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
1234
Disconnected
GASLEAKAGE
Device
Nov 11, 2022 10:20 AM
50
1–1 of 1 item
1 of 1 page
1
1 Simulation running


Browse
IBM Cloud Apps
Generate API Key
Information
Permissions
Description
API Key Expires
Off
On
Choose date
Cancel
Next
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


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-0fd9sp-a77gtjyou1
Authentication Token
f5aWMev7FzC7sukGfh
Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token.
API Key Information
Description
-
Role
Standard Application
Expires
Never
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
Deploy
Flow 1
common
inject
input
ibmiot in
output
ibmiot out
msg.payload
IBM IoT
Edit ibmiot in node > Add new ibmiot config node
Cancel
Add
Properties
Name
Rishi
API Key
a-0fd9sp-a77gtjyou1
API Token
Server-Name
orgid.messaging.internetofthings.ibmcloud.com
Scalable
Application ID
Keep Alive
60
Seconds
Use Clean Session
Enabled
0 nodes use this config
On all flows
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
ibmiot: 814907c3cfdad987
Node
"814907c3cfdad987"
Type
ibmiot
show less
Module
node-red-contrib-scx-ibmiotapp
keepalive
60
Hold down ctrl when you click
on a node port to enable quick-wiring


node-red-hpwjc-2022-11-11.eu-gb.mybluemix.net/red/#flow/5d23594d5ab38ba9
Node-RED
Deploy
Flow 1
common
inject
input
ibmiot in
output
ibmiot out
msg.payload
IBM IoT
connected
debug
all nodes
all
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: f2f2649a.0d0d98
iot-2/type/GASLEAKAGE/id/1234/evt/pro1/fmt/json : msg.payload : Object
{ randomNumber: 55, temp: 46, h... 83 }
11/11/2022, 8:24:54 PM node: f2f2649a.0d0d98
iot-2/type/GASLEAKAGE/id/1234/evt/pro1/fmt/json : msg.payload : Object
{ randomNumber: 37, temp: 28, hum: 92 }
11/11/2022, 8:24:57 PM node: f2f2649a.0d0d98
iot-2/type/GASLEAKAGE/id/1234/evt/pro1/fmt/json : msg.payload : Object
{ randomNumber: 5, temp: 72, hum: 80 }
11/11/2022, 8:25:01 PM node: f2f2649a.0d0d98
iot-2/type/GASLEAKAGE/id/1234/evt/pro1/fmt/json : msg.payload : Object
{ randomNumber: 60, temp: 36, hum: 95 }
11/11/2022, 8:25:04 PM node: f2f2649a.0d0d98
iot-2/type/GASLEAKAGE/id/1234/evt/pro1/fmt/json : msg.payload : Object
{ randomNumber: 99, temp: 33, hum: 98 }