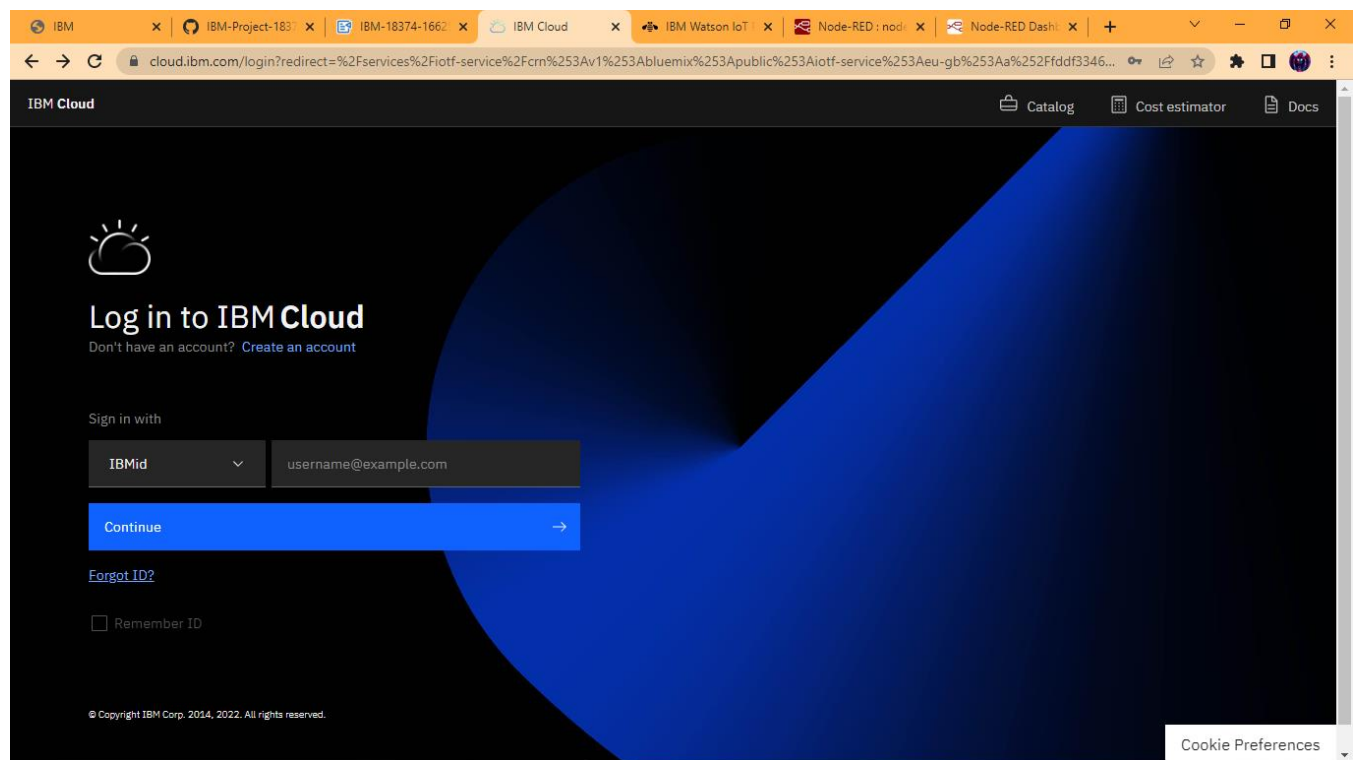


## Develop the Web Application Using Node-Red

TEAM ID	PNT2022TMID37754
PROJECT NAME	Industry-specific intelligent fire management system

Login the IBM Cloud account



IBM

IBM-18374-1662571849

Online Word Processor | Cre

Writer - Extension & Clipper

Catalog - IBM Cloud

cloud.ibm.com/catalog

IBM Cloud

Search resources and products...

Catalog

Manage

SIMMA R's Account

Sell on IBM Cloud

Catalog settings

Catalog

Search the catalog...

Category

Viewing 206 products

Alphabetically

Recommended products (6)

Compute (30)

Containers (9)

Networking (29)

Storage (19)

AI / Machine Learning (17)

Analytics (10)

Blockchain (1)

Databases (28)

Developer tools (25)

Logging and monitoring (3)

Migration (7)

Integration (10)

Internet of Things (1)

Security (25)

Mobile (1)

Analytics Engine

By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite

Free

HIPAA Enabled

IAM-enabled

Service Endpoint Supported

IBM supported

AnonTech VizVault Platform

By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using VizVault.

Lite

Free

HIPAA Enabled

IAM-enabled

Third party supported

API Connect

By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises and...

Lite

Free

EU Supported

IAM-enabled

IBM supported

App Configuration

By IBM

Centralized, in-flight configuration for web and mobile applications and distributed environments.

Lite

Free

IAM-enabled

Service Endpoint Supported

IBM supported

App Connect

By IBM

Connect your applications, automate tasks, and improve productivity

Lite

Free

IBM supported

App ID

By IBM

User Authentication and User Profiles for your apps.

Lite

Free

EU Supported

Financial Services Validated

HIPAA Enabled

IAM-enabled

IBM supported

Bare Metal Servers for Classic

By IBM

IBM Cloud Bare Metal Servers provide performance, flexibility, on-demand provisioning, and control.

SAP Certified

IBM supported

Bare Metal Servers for VPC

By IBM

Leverage x86 servers with physical single tenancy and high performance offering end user virtualization.

Financial Services Validated

IAM-enabled

IBM supported

IBM

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Writer - Extension & Clipper

IBM App Development

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

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Catalog / Create app /

Node-RED

About

Create

Details

Author

IBM

Updated

11/02/2020

Type

Starter kit

Source code

GitHub

Helpful links

Terms

Tutorial

Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant 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?

Cloudant

Free to start

View pricing

View docs

View API reference

Get started

Waiting for cloudhedge.io...

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Zoho Accounts

Writer - Extension & Clipper

IBM App Development

cloud.ibm.com/developer/appservice/apps/19d90d4e-4209-4a97-b0a1-a1ae2f080210

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Resource list / App details /

Node RED KYMCR 2022-11-18

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

18/11/2022

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.

Deploy your app

ASK A QUESTION

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Kubernetes Service

IBM

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

Red Hat OpenShift

IBM

Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.

Cloud Foundry

IBM

Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.

Code Engine

IBM

Run your app, job, or container 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

.....

New

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

Sydney

Organization

ibm node

Space

lot

Host

node-red-kyocr-2022-11-18

Domain

au-syd.mybluemix.net

Cancel

Next

ASK A QUESTION

IBM

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IBM App Development

cloud.ibm.com/developer/appservice/apps/19d90d4e-4209-4a97-b0a1-a1ae2f080210

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Resource list / App details /

Node RED KYMCR 2022-11-18

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

NodeREDKYMCR2022-11-18

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**.

ASK A QUESTION

IBM

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IBM App Development

cloud.ibm.com/developer/appservice/apps/19d90d4e-4209-4a97-b0a1-a1ae2f080210

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Deployment target

You must deploy your app first

Created

18/11/2022

Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Name

NodeREDKYMCR2022-11-18

Location

Dallas

Tool integrations

Delivery Pipelines

Name

pr-pipeline

Status

No stages detected

Name

ci-pipeline

Status

No stages detected

ASK A QUESTION

IBM Cloud Foundry Public is being deprecated. Please see [full details](#).

## Node RED TWCSK 2022-11-08

Running [Visit App URL](#) [Add tags](#) [Details](#) [Actions...](#)

Getting started

- Overview
- Runtime
- Connections
- Logs
- API Management
- Autoscaling

### Instances

Health

100%

1/1 instance(s) are running

Instances: 1

MB memory per instance: 0 to 1280 (256 selected)

### Runtime

Node.js

256 Total MB allocation

1 GB still available

Used Free

### Runtime cost

Current and estimated cost excludes connected services.

\$0.00

### Connections (1)

[node-red-ridhm-2022--cloudant-1667660529674-80080](#)

## Node-RED on IBM Cloud

# Node-RED

Flow-based programming for the Internet of Things

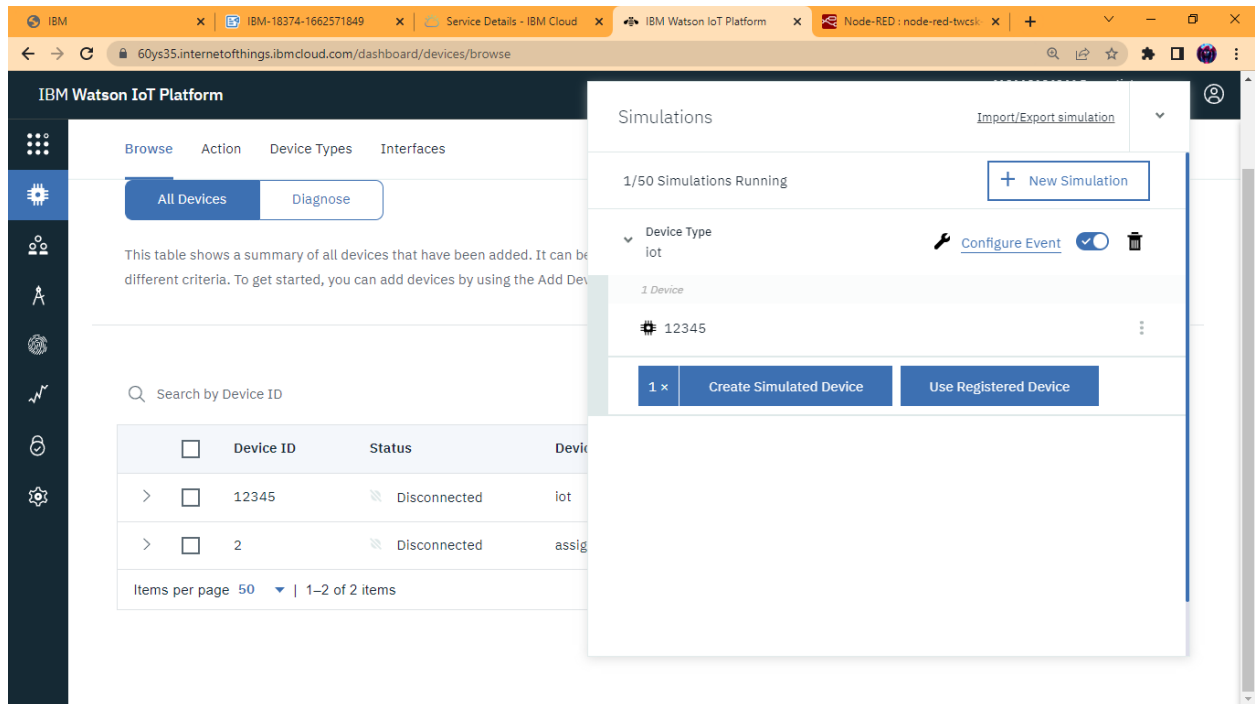
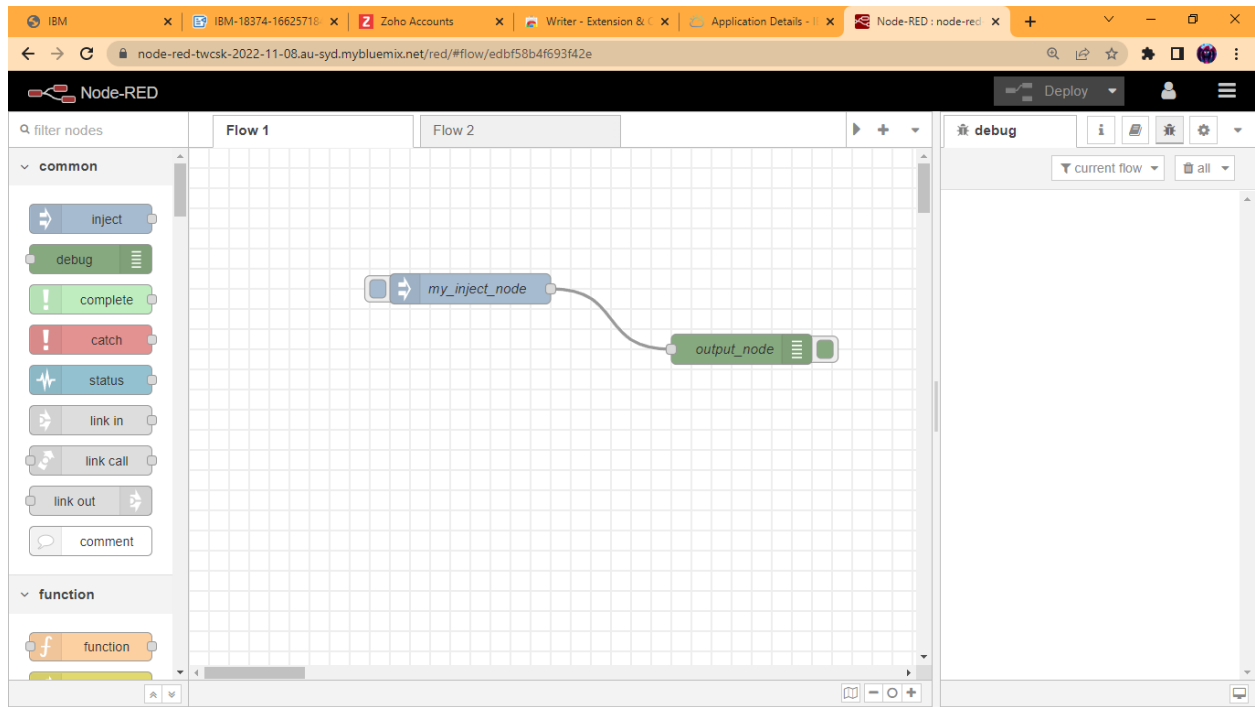
Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

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](https://nodered.org).

[Go to your Node-RED flow editor](#)

[Learn how to customise Node-RED](#)



IBM Watson IoT Platform

Browse Action Device Types Interfaces

Identity Device Information Recent Events

The recent events listed show the live stream of data that

Event	Value
event_1	{"temperature":30,"humidity":12}
event_1	{"temperature":36,"humidity":47}
event_1	{"temperature":4,"humidity":32}
event_1	{"temperature":47,"humidity":10}
event_1	{"temperature":12,"humidity":26}

Device Type: iot

Events 1

New event type +

Event type name event\_1 Send

Schedule 20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {  
1   "temperature": random(0, 100),  
2   "humidity": random(0, 50)  
3 }  
4  
5
```

Upload a CSV file

Node-RED

Flow 1 Flow 2

my\_inject\_node

IBM IoT

output\_node

debug

```
{ temperature: 16, humidity: 38 }  
11/18/2022, 5:21:15 PM node: output_node  
iot-2/type/iotid/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ temperature: 12, humidity: 26 }  
11/18/2022, 5:21:16 PM node: output_node  
iot-2/type/iotid/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ temperature: 47, humidity: 10 }  
11/18/2022, 5:21:17 PM node: output_node  
iot-2/type/iotid/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ temperature: 4, humidity: 32 }  
11/18/2022, 5:21:18 PM node: output_node  
iot-2/type/iotid/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ temperature: 36, humidity: 47 }  
11/18/2022, 5:21:19 PM node: output_node  
iot-2/type/iotid/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ temperature: 30, humidity: 12 }
```