

# IBM Cloud Services

Team ID	PNT2022TMID02546
Project Name	Smart waste management system for metropolitan cities

## IBM Watson IoT Platform

Resource list /

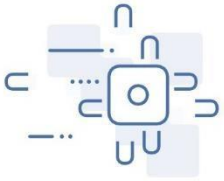
Internet of Things Platform-41 Active Add tags

Details Actions...

Manage

Plan

Connections



### Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch Docs

Ready for the next level?

#### IBM Watson IoT Platform Journey

✓

Lite

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

- Free

Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

- Starts at \$500 per month

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

- Includes IBM Service & Support

## Node-RED Service

Resource list / App details /

Node RED TVAFO 2022-11-16Add tags

Actions...

Details

App URL

http://159.122.186.51:30963

Source

https://us-south.git.cloud.ibm.com/vishnupradeep.rc.2019.ece...

Resource group

Default

Deployment target

mycluster-free

Created

11/16/2022

Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Name

NodeREDTVAFO2022-11-16

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.

5. If you make any changes to your app, be

ASK A QUESTION

Node-RED

Deploy

filter nodes

udp in

udp out

Input

mqtt in

output

OpenWhisk

mqtt out

sequence

split

join

sort

batch

parser

Flow 1

Flow 2

Hello Node-RED!

msg.payload


debug

11/17/2022, 1:25:26 AM node: 120543a 000d98

msg.payload: string[15]

"Hello Node-RED!"

## Cloudant DB






Databases

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
nodered	17.0 KB	3	No	  

Resource list /

node-red-tvafo-2022--cloudant-1668621545421 Active Add tags

Details

Actions...

Manage

Service credentials

Plan

Connections

Overview

Capacity

Docs

Launch Dashboard

Deployment details

CRN

cm.v1:bluemix:public:cloudantnosqldb:eu-gb:a/3350b623f7f44560a9a6efec62e7bd27:ae712d54-7555-427c-a86a-d1308d803b50::

Location

London

External endpoint

<https://b369b014-a68e-4744-bf87-3add1d3b3031-bluemix.cloudant.com>

External endpoint (preferred)

<https://b369b014-a68e-4744-bf87-3add1d3b3031-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods

IBM Cloud IAM

Cloudant credentials

Migrate to IAM Only

Activity Tracker event types

Management

Save

Disk encryption

Yes. Automatically generated disk encryption key.

## RESOURCES

Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
<div> <div>Filter by name or IP address...</div> <div>Filter by group or org...</div> <div>Filter...</div> <div>Filter...</div> <div>Filter...</div> <div>Filter...</div> </div>					
Blockchain (0)					
Databases (1)					
<div> <div>node-red-tvafo-2022--cloudant-1668621...</div> <div>Default</div> <div>London</div> <div>Cloudant</div> <div>Active</div> <div>—</div> <div></div> </div>					
Developer tools (3)					
<div> <div>Continuous Delivery</div> <div>Default</div> <div>Dallas</div> <div>Continuous Delivery</div> <div>Active</div> <div>—</div> <div></div> </div>					
<div> <div>Node RED TVAFO 2022-11-16</div> <div>Default</div> <div>Global</div> <div>Cloud Application</div> <div>—</div> <div>—</div> <div></div> </div>					
<div> <div>NodeREDTVAFO2022-11-16</div> <div>Default</div> <div>Dallas</div> <div>Toolchain</div> <div>—</div> <div>—</div> <div></div> </div>					
Logging and monitoring (0)					
Migration (0)					
Integration (0+)					
Internet of Things (1)					
<div> <div>Internet of Things Platform-41</div> <div>Default</div> <div>London</div> <div>Internet of Things Platform</div> <div>Active</div> <div>—</div> <div></div> </div>					