

PREREQUISITES

(IBM Cloud Service, Software)

Date	16 November 2022
Team ID	PNT2022TMID13985
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

IBM Cloud Services:

We need to have basic knowledge of the following cloud services:

- ✦ IBM Watson IoT Platform
- ✦ Node-RED Service
- ✦ Cloudant DB

IBM Account Creation:

In this we create a account with the register code / promo code using the given mail id at the IBM cloud platform, then login

Dashboard

Edit dashboardUpgrade accountCreate resource

For you

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Getting started2 min

Explore IBM Cloud Shell

Try a command-driven approach for creating, developing, and deploying a web project.

Getting started2 min

Create and deploy an application

Browse our starter kits, and then select one to jump start the process to create and deploy your app.

Getting started5 min

Visit the IBM Cloud catalog

Explore our unique product catalog that contains 190+ services and software for your business solutions.

Getting started1 min

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started15 min

Get Started Studio

Get started with IBM Cloud Studio in 15 minutes.

Getting started15 min

User access

Manage users

Enter email addresses below to jump directly into the invite user setup.

News

View all

Introducing Badges to IBM Cloud Certification

Planned maintenance

View

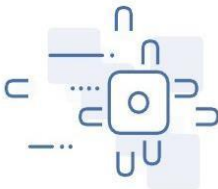
Planned maintenance for IBM Cloud services

Resource list /

Internet of Things Platform-2p
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
- 200 MB data-transfer limit
- 500 collection endpoints limit

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
- Capacity limit based on device type
- Optional Analytics Service and Blockchain

Production

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

- Includes IBM Service & Support
- Pricing based on number of devices per device type

[Resource list](#) /
Node RED FCNBV 2022-10-31 Running [Visit App URL](#) [Add tags](#) [Details](#) [Actions...](#)

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

IBM Cloud Foundry Public is being deprecated. Please see full details.

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0256128

Instances

1

Edit

Runtime

Node.js

128

Total MB allocation

128 MB still available

UsedFree

Runtime cost

Current and estimated cost excludes connected services.

\$000

\$000

Connections (1)

node-red-fcnbv-2022--cloudant-1667210203836-54884

[Resource list](#) /
node-red-fcnbv-2022--cloudant-1667210203836 Active [Add tags](#) [Details](#) [Actions...](#)

Manage

Overview

Capacity

Docs

Service credentials

Plan

Connections

Deployment details

CRN

crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/9b55979f29d14ba0be440e736f67d04b:ca2e104d-b62a-4995-96e6-f8335e0d8433::

Location

London

External endpoint

<https://850aba3e-5fb0-4089-9ee7-2c6521dd5f44-bluemix.cloudant.com>

External endpoint (preferred)

<https://850aba3e-5fb0-4089-9ee7-2c6521dd5f44-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods

[IBM Cloud IAM](#) and [Cloudant credentials](#) [Migrate to IAM Only](#)

Activity Tracker event types

Management [Save](#)

Disk encryption

Yes. Automatically generated disk encryption key.

NODE-RED SERVICE

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

Go to your Node-RED flow editor

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

The screenshot displays the Node-RED web interface. On the left, a sidebar contains a search bar and two categories of nodes: 'common' (including inject, debug, complete, catch, status, link in, link call, link out, and comment) and 'function' (including function and switch). The main workspace, titled 'Flow 1', shows a flow with two nodes: a blue 'inject' node with the text 'Hello Node-RED!' and a green 'msg.payload' node. They are connected by a line. On the right, a 'debug' console is open, showing three log entries. Each entry includes a timestamp (11/5/2022, 10:55:40 AM), a node ID (node: f2f2649a.0d0d98), and the message 'Hello Node-RED!'.

Timestamp	Node ID	Message
11/5/2022, 10:55:40 AM	node: f2f2649a.0d0d98	"Hello Node-RED!"
11/5/2022, 10:55:40 AM	node: f2f2649a.0d0d98	"Hello Node-RED!"
11/5/2022, 10:55:43 AM	node: f2f2649a.0d0d98	"Hello Node-RED!"

Cloudant DB

Resource list /

node-red-fcnbv-2022--cloudant-1667210203836 Active Add tags

Details Actions...

Manage

Service credentials

Plan

Connections

Overview

Capacity

Docs

Launch Dashboard

Deployment details

CRN

crm.v1:bluemix:public:cloudantnosql:db.eu-gb/a/9b55979729d14ba0be440e736f67d04b:ca2e104d-b62e-4995-96ee-f8335e0d8433::

Location

London

External endpoint

<https://850eba3e-5fb0-4089-9ee7-2c6521dd5f44-bluemix.cloudant.com>

External endpoint (preferred)

<https://850eba3e-5fb0-4089-9ee7-2c6521dd5f44-bluemix.cloudantnosql:db.appdomain.cloud>

Authentication methods

[IBM Cloud IAM](#) and [Cloudant credentials](#) Migrate to IAM Only

Activity Tracker event types

Management

Save

Disk encryption

Yes. Automatically generated disk encryption key.

Capacity details

You are currently subscribed to the Lite plan. Upgrade

Databases

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedfcnbv20221031	16.5 KB	3	No	<div><div></div><div></div><div></div></div>

Showing 1–1 of 1 databases.

Databases per page 20

« 1 »



Log Out

