

PREREQUISITES

(IBM Cloud Service, Software)

Date	22 October 2022
Team ID	PNT2022TMID15234
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

IBM Cloud Services:

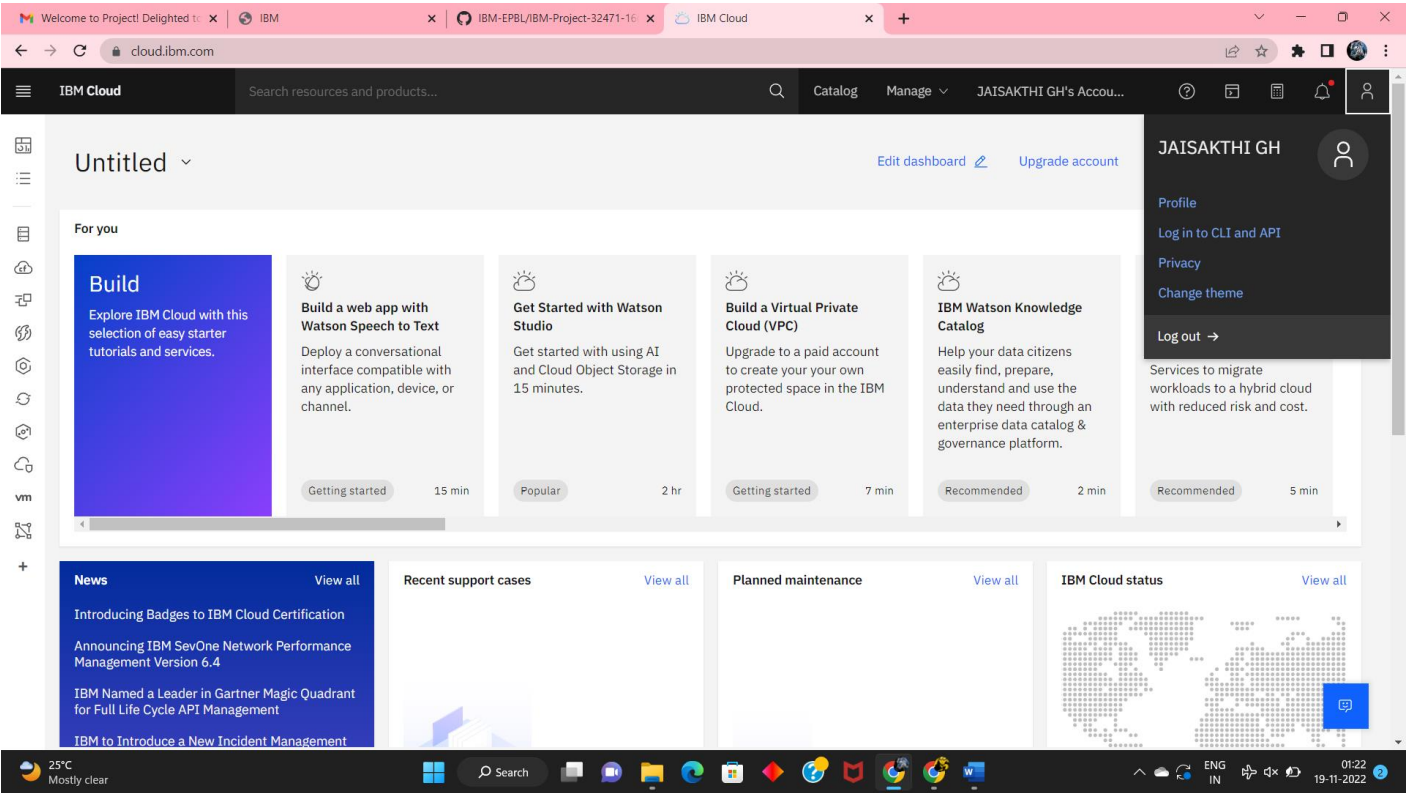
We need to have basic knowledge of the following cloud services:

- ✦ 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

IBM CLOUD





Dashboard

[Edit dashboard](#)[Upgrade account](#)[Create resource](#)

For you

Select an option

Build

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



Explore IBM Cloud Shell

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

Getting started

2 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 started

5 min



Visit the IBM Cloud catalog

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

Getting started

1 min



Build a web app with Watson Speech to Text

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

Getting started

15 min



Get Started with Studio

Get started with IBM Cloud Studio and Cloud Foundry in 15 minutes.

Getting started

15 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

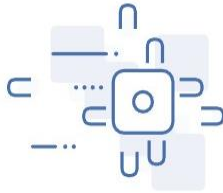
Planned maintenance

[View](#)

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 application bindings 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



NODE-RED SERVICE

The screenshot shows a web browser window with the URL `node-red-fcnbv-2022-10-31.mybluemix.net`. The page has a dark red header with the text "Node-RED on IBM Cloud". Below this is a large red banner with the "Node-RED" logo and the tagline "Flow-based programming for the Internet of Things". The main content area is light gray and contains three paragraphs of text, a button, and a link.

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 shows the Node-RED flow editor interface. The top bar includes tabs for "IBM App Development", "Node-RED : node-red-vvdp-202...", "Service Details - IBM Cloud", and "Cloudant Dashboard". The browser address bar shows the URL `node-red-vvdp-2022-11-05-eu-gb.mybluemix.net/red/#flow/96e38f7dd30cbc86`. The interface is divided into three main sections: a left sidebar with a "filter nodes" search bar and a list of nodes categorized under "common" (inject, debug, complete, catch, status, link in, link call, link out, comment) and "function" (function, switch); a central workspace titled "Flow 1" containing a flow with a "Hello Node-RED!" node connected to a "msg.payload" node; and a right sidebar with a "debug" tab showing a log of messages. The log entries show the time, node ID, and the message payload, which is "Hello Node-RED!". The Windows taskbar at the bottom shows the system clock as 10:55 on 05-11-2022.

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: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.

Capacity details

You are currently subscribed to the Lite plan. Upgrade

↔

📈

🗄️

🔗

📄

👤

🔍

📖

🏠

Log Out

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

