

## PROJECT DEVELOPMENT PHASE

### SPRINT- 2

Date	18-11-2022
Team ID	PNT2022TMID26511
Project Name	Project-Industry specific Intelligent Fire Management System.
Maximum marks	20 marks

The screenshot displays the IBM Cloud Dashboard. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and user account information for 'LALITH KUMAR E's Acc...'. Below this, the 'Dashboard' section is visible, featuring a 'For you' area with several recommended actions: '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), 'Create a Kubernetes cluster' (Automate deployments and manage your containerized apps in a native Kubernetes experience), 'IBM Log Analysis with LogDNA' (Troubleshoot logs in real-time to diagnose issues and identify problems), 'Get started with Containers & Kubernetes' (Containers are a standard way to package apps, and their dependencies, to allow seamless movement between environments), and 'API Co' (Expert your er includi and mc with IB). Each action card includes a 'Getting started' or 'Recommended' button and a time estimate. Below the 'For you' section, there are three more panels: 'User access' (Manage users), 'News' (View all), and 'Planned maintenance' (View all). The 'News' panel lists several updates, including 'SLSA Support in IBM Cloud Continuous Delivery', 'WebSphere Application Server Support Restatement', and 'IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco'. The bottom of the image shows a Windows taskbar with various application icons and system information like temperature (28°C) and date (15-11-2022).

Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Compute (0)					
Containers (0)					
Networking (0)					
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (1)					
Developer tools (4)					
Logging and monitoring (0)					
Migration (0)					

# Catalog

Node-RED App

Node.js Express App

Natural Language Understanding Node.js App

Code Engine

Natural Language Understanding

CloudHedge App Modernization Platform

AI / Machine Learning (17)

Analytics (10)

Blockchain (1)

Databases (28)

Developer tools (25)

Alphabetically

Create

Learn more

Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech ViziVault Platform

By Anon Technology, Inc.

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

Create

Learn more

Tags

Examples: env:dev, version-1

Platform

☒ Node.js

## Service details

**Cloudant**★

★ = You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region London    Resource group Default

Pricing plan

Cloudant-lq

[Pricing details](#)   [Terms](#)   [External link](#)

Cancel

Create

ASK A QUESTION

Resource list / App details /

## Node RED BZCYW 2022-11-15

Add tags

Actions...

### Details

App URL	You must deploy your app first
Source	<a href="#">Download code</a>
Resource group	Default
Deployment target	You must deploy your app first
Created	11/15/2022

### 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

IBM

IBM App Development

+

cloud.ibm.com/developer/appservice/apps/81d5cbb1-64ee-47de-b6fa-188855cac889

IBM Cloud

Search resources and products...

Catalog

Manage

LALITH KUMAR E's Account

?

Resource list / App details /

Node RED BZCYW 2022-11-15


Select the deployment target

Configure the DevOps toolchain

Deployment Automation

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.



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 API key

.....

👁️ 📄 🔗

New +

Number of instances

1

Getting started with apps

Step 1. Select the deployment target

Select your deployment target, and then provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one. [Create org.](#)

Steps

- Select the number of instances, memory allocation, region, org, and space.
- Select the domain and provide a host name.


ASK A QUESTION

18:49

15-11-2022

29

Type here to search



27°C

ENG

15-11-2022









Catalog /

## Internet of Things Platform

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Create

About

Type  
Service

Provider  
IBM

Last updated:  
08/15/2022

Category  
Internet of Things

Compliance  
IAM-enabled

Location  
Frankfurt  
London  
Dallas  
Washington DC

Related links  
[Docs](#)  
[Terms](#)

Select a location

London (eu-gb)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	<b>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</b> Maximum of 500 registered devices Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free
<p>The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>		

### Summary

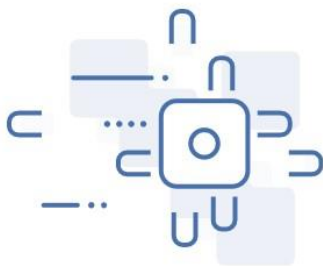
**Internet of Things Platform** **Free**  
Location: London  
Plan: Lite  
Service name: Internet of Things Platform-mi  
Resource group: Default

☐ I have read and agree to the following license agreements:  
[Terms](#)

Create

Add to estimate

- 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

☐ **Non-Production**

The Non-Production service plan is a full-featured, fully-integrated offering that enables

☐ **Production**

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

IBM Watson IoT Platform

211719106039@smartin...  
ID: (select org)

Collect data from

Buildings

and make value from it

Learn More

← → ↺

dvo306.internetofthings.ibmcloud.com/dashboard/devices/browse/add?type=sona22devicetype

🔖 ☆ ⚙️ 📄 🖨️ 🌐

Brown Purple Beige...

IBM Watson IoT Platform

211719106007@smartinternz.com  
ID: dvo306

⋮

🔧

👤

👤

📶

📶

🔧

Browse

Action

Device Types

Interfaces

Add Device

✕

✓ Identity

✓ Device Information

✓ Security

🎯 Summary

Verify that the following information is correct then select Finish

Device Type

sona22devicetype

Device ID

sona22

View Metadata

Security Token

sona22102001

Back

Finish

🪟

🔍 Type here to search

🔍 📺 📧 🌐 📁 📁 📁 99+ 📁 🌐

🌤️ 29°C Sunny

🔼 🔽 📶 🔊 🔊 🔊 ENG

16:03  
12-11-2022

Browse Action Device Types Interfaces

Add Device +

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☐ ☐ ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	sona22	Disconnected	sona22devicetype	Device	Nov 12, 2022 4:06 PM
Items per page 50   1-1 of 1 item					1 of 1 page < 1 >

## Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Compute (1)					
Node RED UWRPN 2022-11-12	Sona22 / sona22	London	Node.js	Started	
Containers (0+) (Error retrieving data)					
Networking (0+) (Error retrieving data)					
Storage (0+) (Error retrieving data)					
AI / Machine Learning ... (Error retrieving d...					
Analytics (0+) (Error retrieving data)					
Blockchain (0+) (Error retrieving data)					
Databases (2+) (Error retrieving data)					
Developer tools (3+) (Error retrieving data)					
Logging and monitoring ... (Error retrieving					

Node-RED

Deploy

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range

HELLO WORLD

msg.payload

debug

all nodes

all

11/12/2022, 10:35:04 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:05 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:06 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:07 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:08 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:09 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:10 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"

11/12/2022, 10:35:11 PM node: f2f2649a.0d0d98  
msg.payload : string[11]  
"HELLO WORLD"