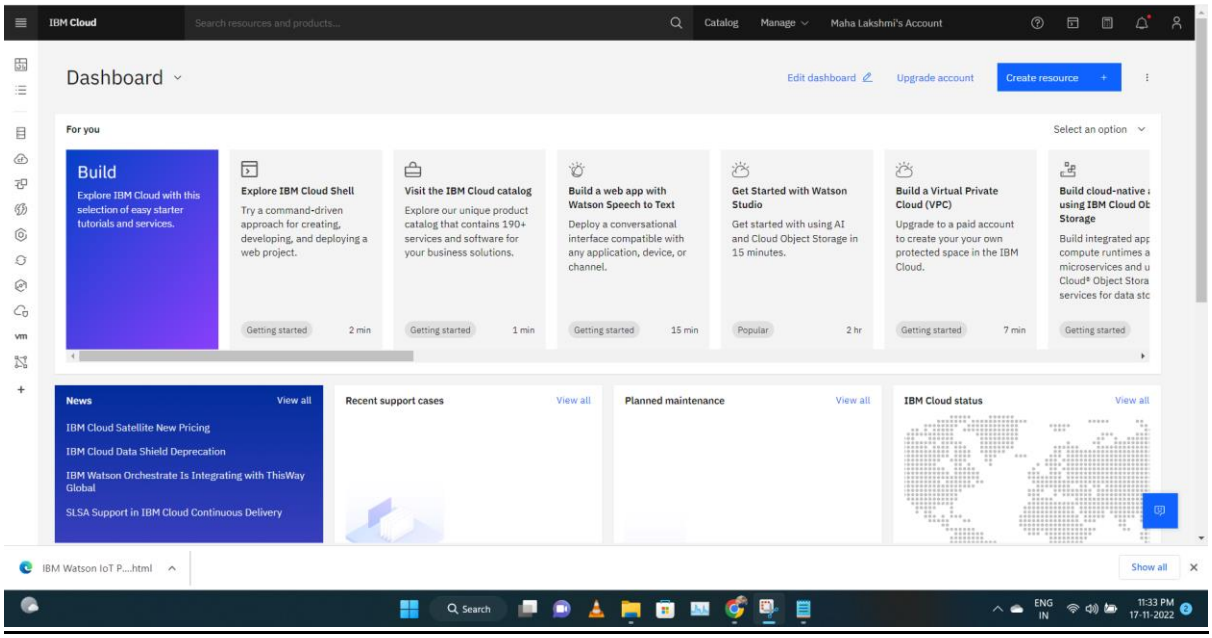
CREATE AND CONFIGURE IBM CLOUD SERVICE

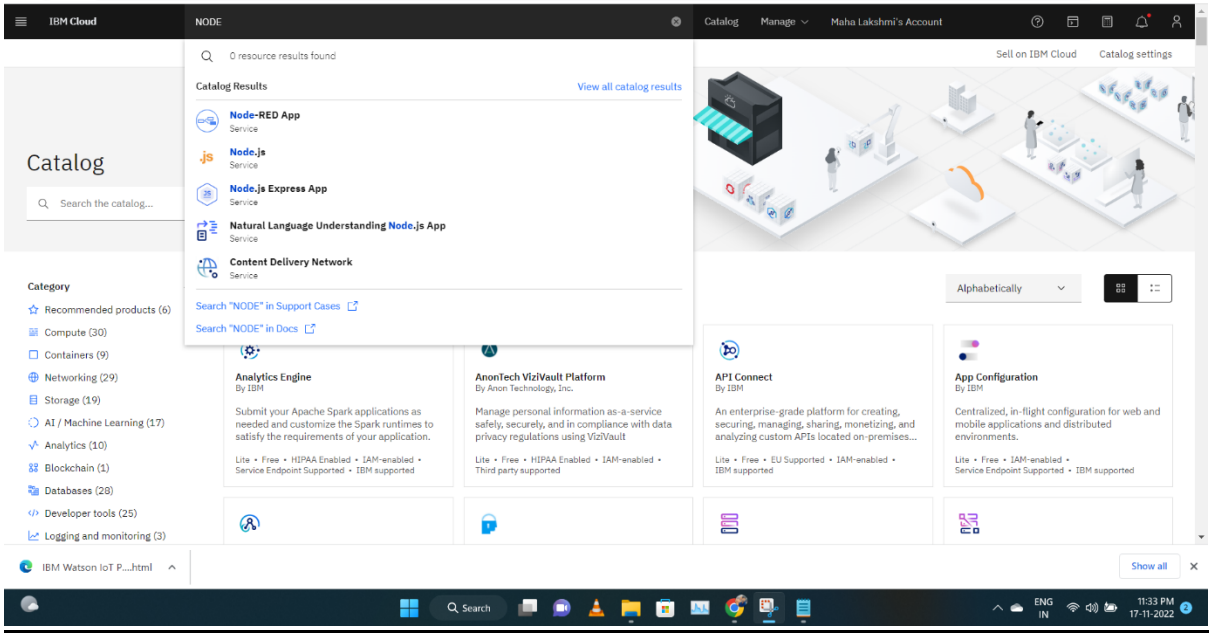
Date	18 November2022
Team id	PNT2022TMID38469
Project Name	Signs with smart connectivity for better road safety
Maximum Marks	

CREATE NODE-RED SERVICE

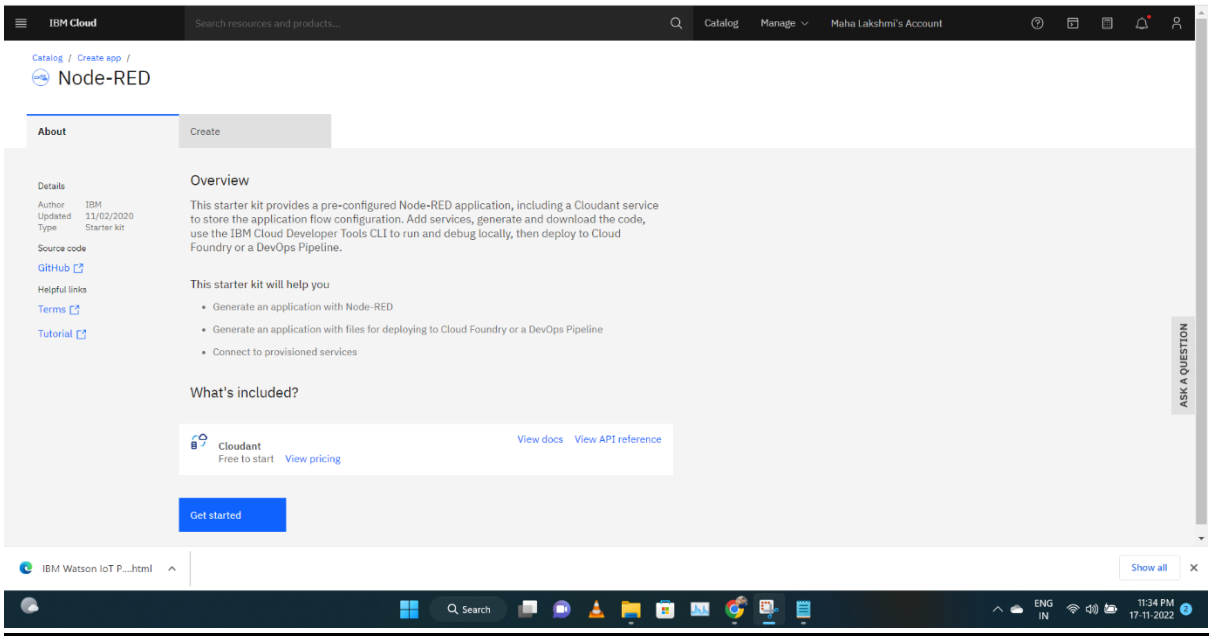
STEP:1



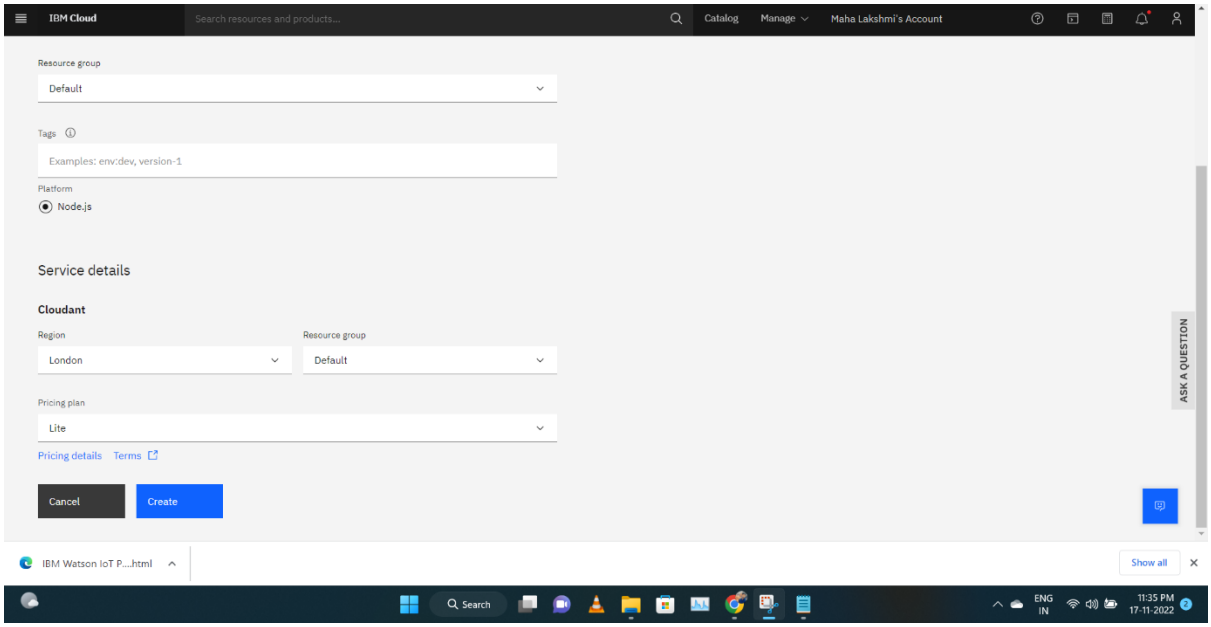
STEP:2


IBM Cloud
NODE
Catalog
Manage
Maha Lakshmi's Account
0 resource results found
Catalog Results
View all catalog results
Node-RED App
Service
Node.js
Service
Node.js Express App
Service
Natural Language Understanding Node.js App
Service
Content Delivery Network
Service
Search "NODE" in Support Cases
Search "NODE" in Docs
Sell on IBM Cloud
Catalog settings
Catalog
Search the catalog...
Category
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)
Alphabetically
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 ViziVault Platform
By Anon Technology, Inc.
Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault
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...
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
IBM Watson IoT P....html
Show all
Search
ENG
IN
11:33 PM
17-11-2022

STEP:3


IBM Cloud
Search resources and products...
Catalog
Manage
Maha Lakshmi's Account
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
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
IN
11:34 PM
17-11-2022

STEP:4


IBM Cloud
Search resources and products...
Catalog
Manage
Maha Lakshmi's Account
Resource group
Default
Tags
Examples: env:dev, version-1
Platform
Node.js
Service details
Cloudant
Region
London
Resource group
Default
Pricing plan
Lite
Pricing details
Terms
Cancel
Create
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
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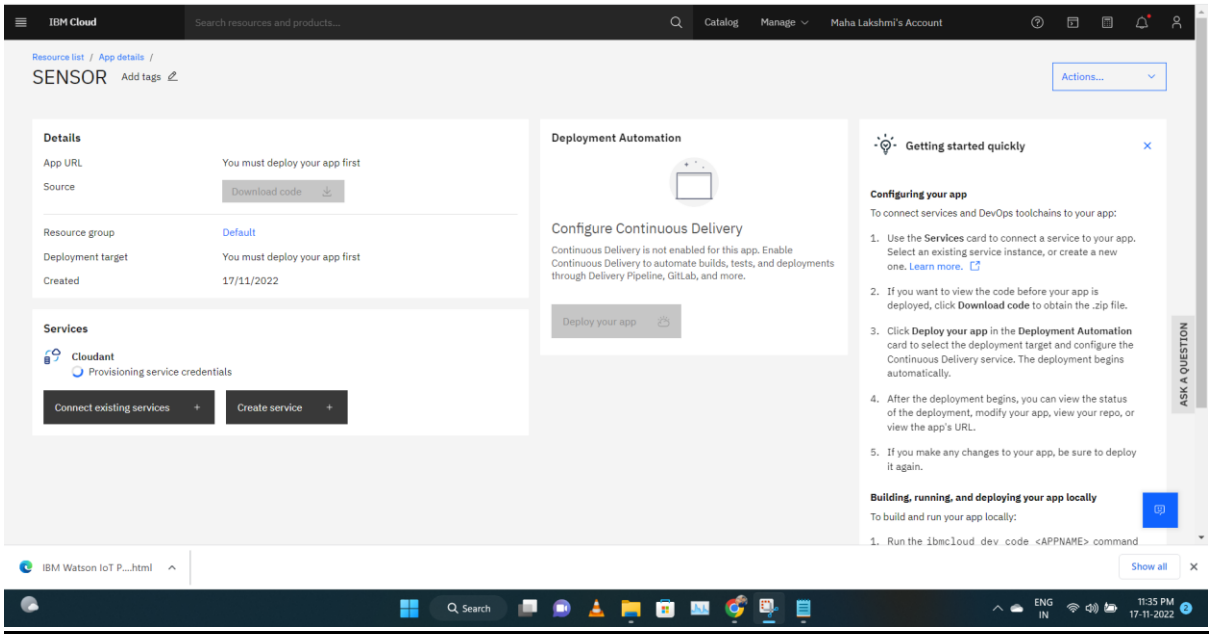
17-11-2022

STEP:5


IBM Cloud
Search resources and products...
Catalog
Manage
Maha Lakshmi's Account
Resource list / App details /
SENSOR
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
17/11/2022
Services
Cloudant
Provisioning service 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
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 sure to deploy it again.
Building, running, and deploying your app locally
To build and run your app locally:
1. Run the ibmcloud dev code <APPNAME> command
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
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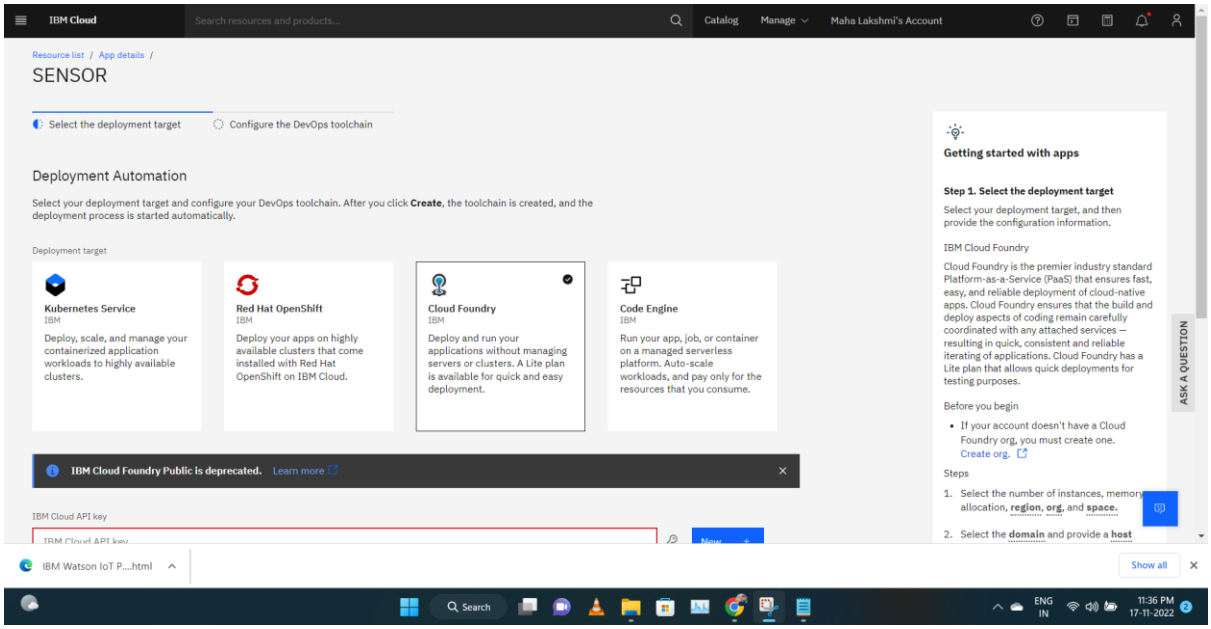
11:35 PM
17-11-2022

STEP:6


IBM Cloud
Search resources and products...
Catalog
Manage
Maha Lakshmi's Account
Resource list / App details /
SENSOR
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 Foundry Public is deprecated. Learn more
IBM Cloud API key
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
1. Select the number of instances, memory allocation, region, org, and space.
2. Select the domain and provide a host
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
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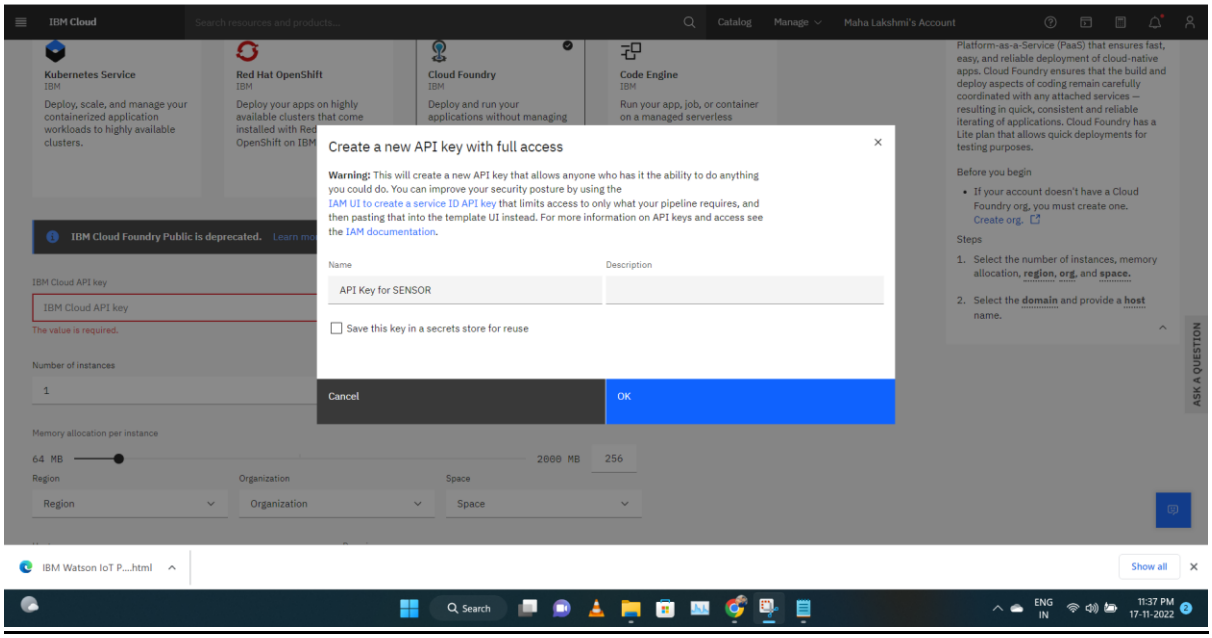
17-11-2022

STEP:7


IBM Cloud
Search resources and products...
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Manage
Maha Lakshmi's Account
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 OpenShift on IBM
Cloud Foundry
IBM
Deploy and run your applications without managing
Code Engine
IBM
Run your app, job, or container on a managed serverless
Create a new API key with full access
Warning: This will create a new API key that allows anyone who has it the ability to do anything you could do. You can improve your security posture by using the IAM UI to create a service ID API key that limits access to only what your pipeline requires, and then pasting that into the template UI instead. For more information on API keys and access see the IAM documentation.
Name
API Key for SENSOR
Description
Save this key in a secrets store for reuse
Cancel
OK
IBM Cloud Foundry Public is deprecated.
IBM Cloud API key
The value is required.
Number of instances
1
Memory allocation per instance
64 MB
2000 MB
256
Region
Organization
Space
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
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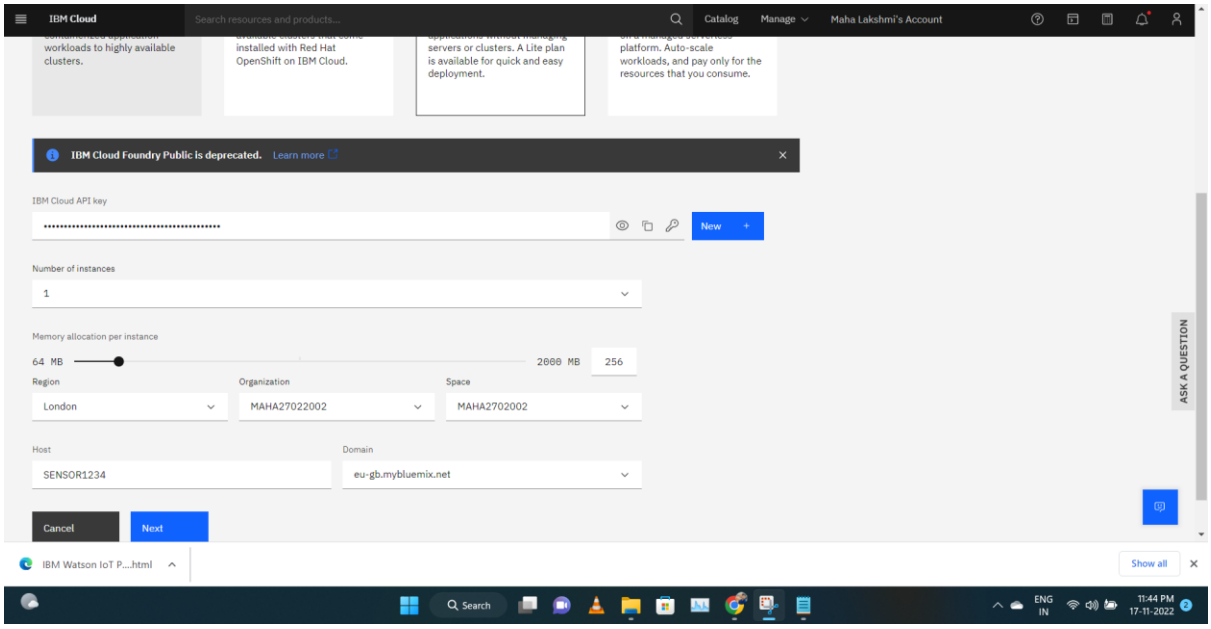
Create org.
Steps
1. Select the number of instances, memory allocation, region, org, and space.
2. Select the domain and provide a host name.
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
IN
11:37 PM
17-11-2022

STEP:8


IBM Cloud
Search resources and products...
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Manage
Maha Lakshmi's Account
workloads to highly available clusters.
installed with Red Hat OpenShift on IBM Cloud.
servers or clusters. A Lite plan is available for quick and easy deployment.
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
Organization
Space
London
MAHA27022002
MAHA2702002
Host
Domain
SENSOR1234
eu-gb.mybluemix.net
Cancel
Next
ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
ENG
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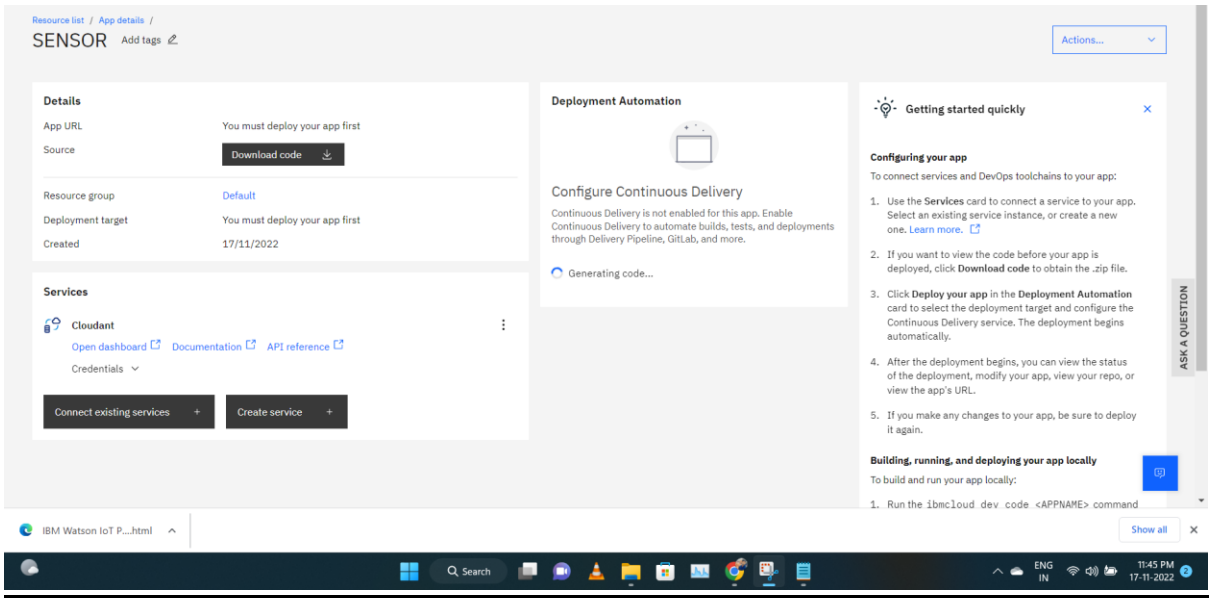
11:44 PM
17-11-2022

STEP:9


Resource list / App details /
SENSOR
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
17/11/2022
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.
Generating code...
Getting started quickly
Configuring your app
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ASK A QUESTION
IBM Watson IoT P....html
Show all
Search
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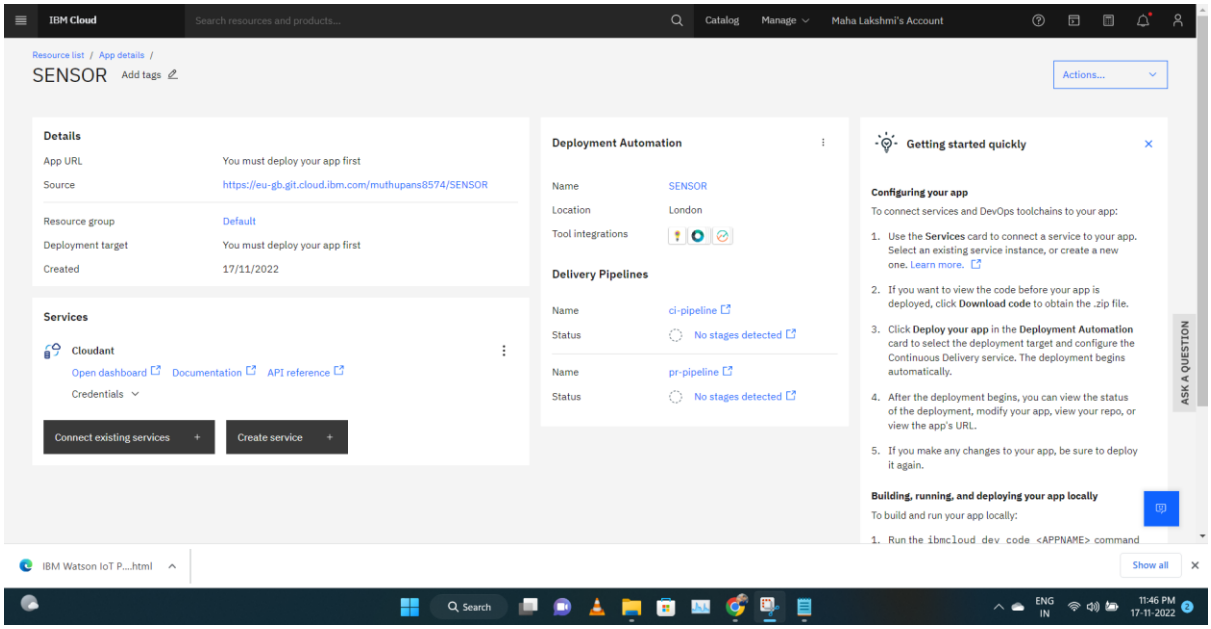
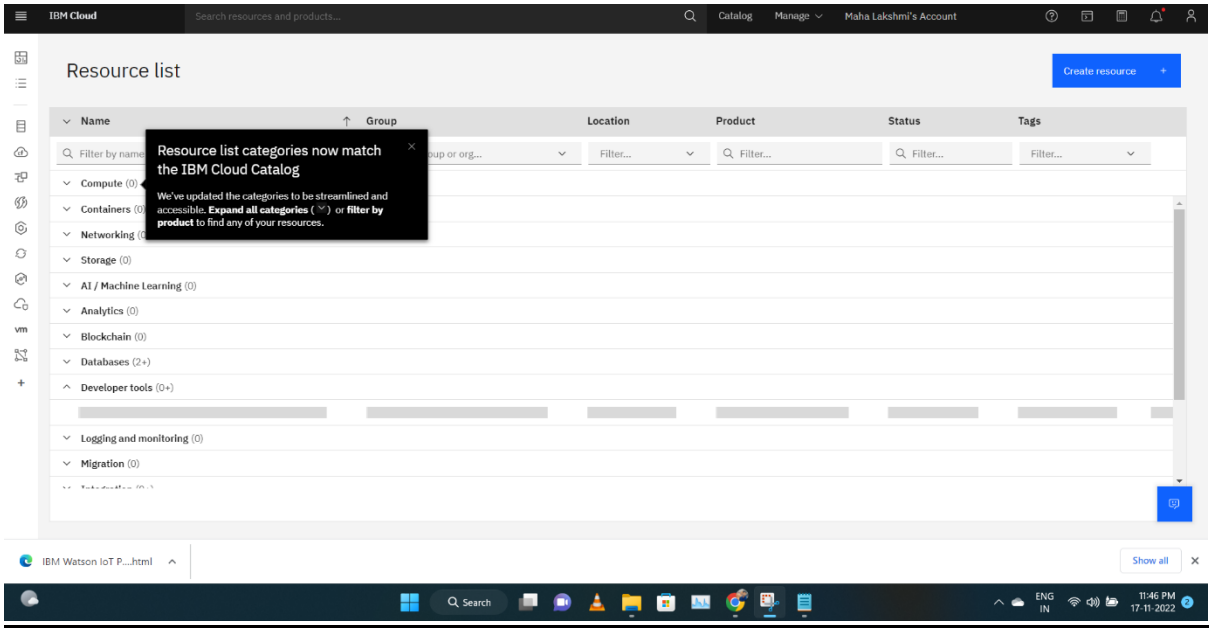
11:45 PM
17-11-2022

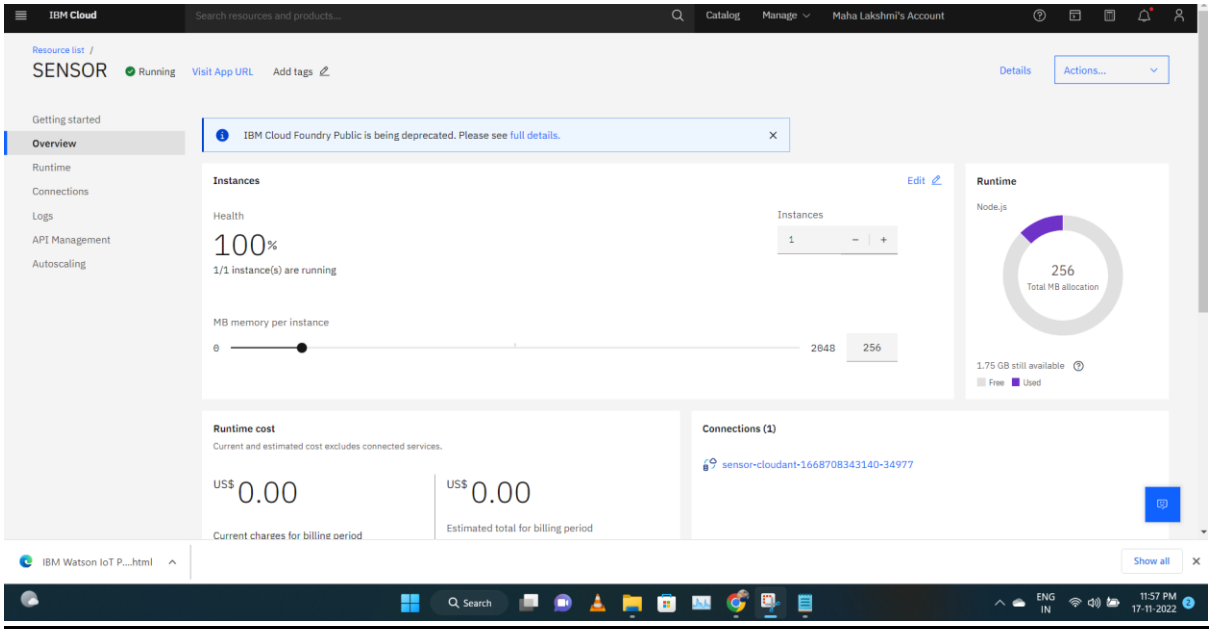
STEP:10



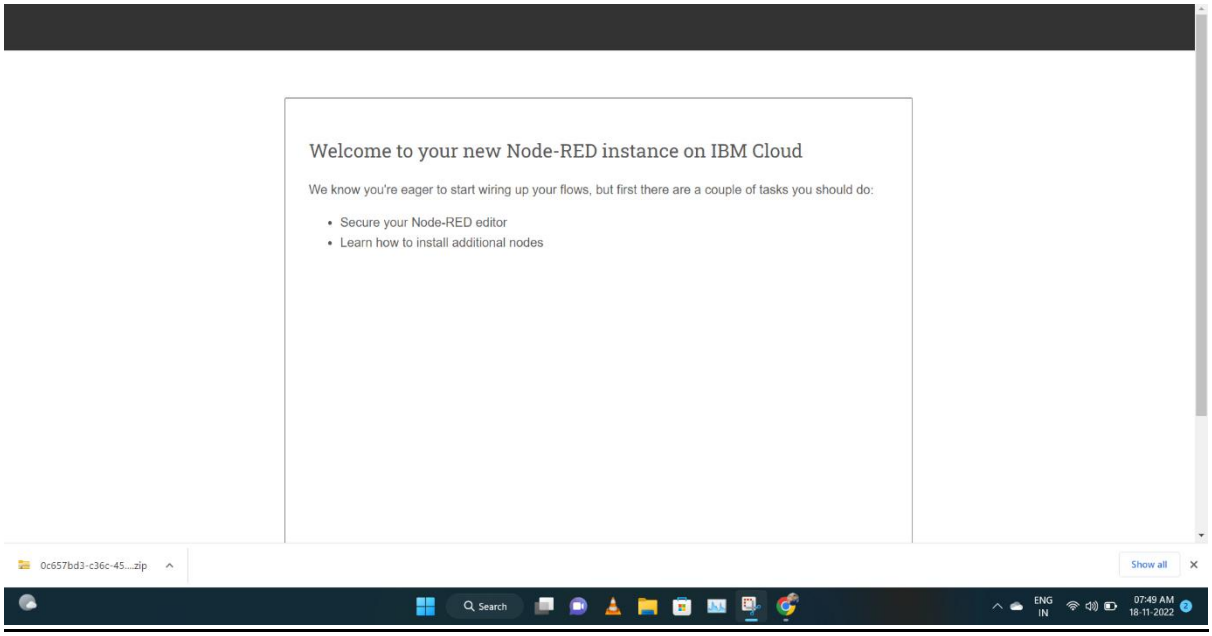
STEP:11



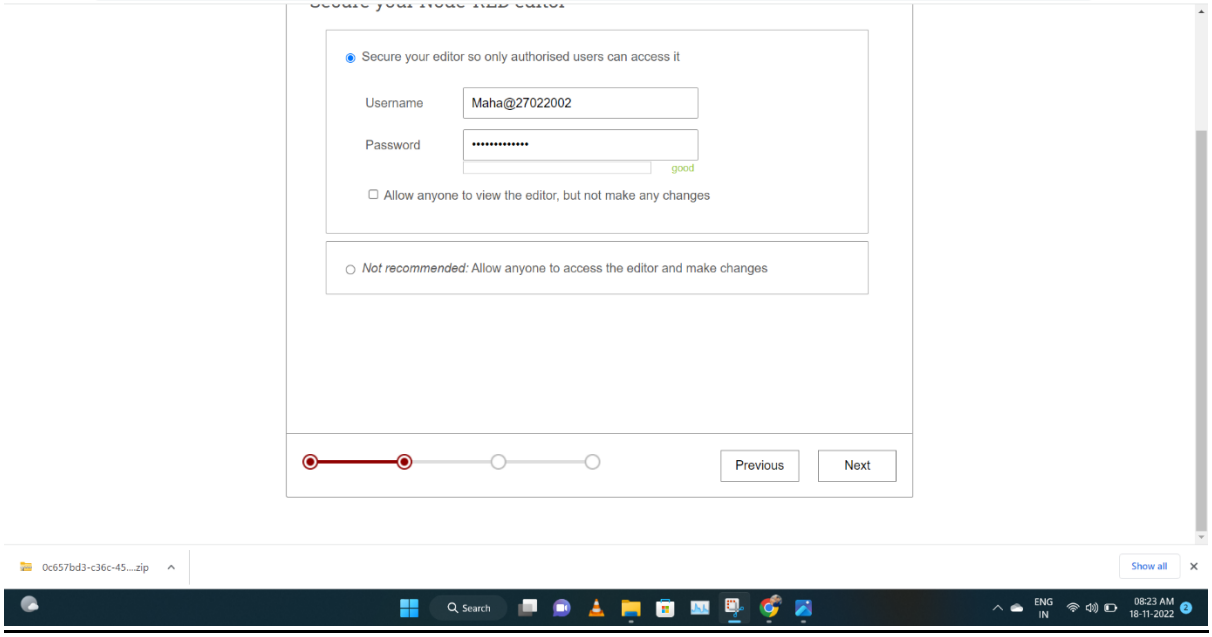
STEP:12



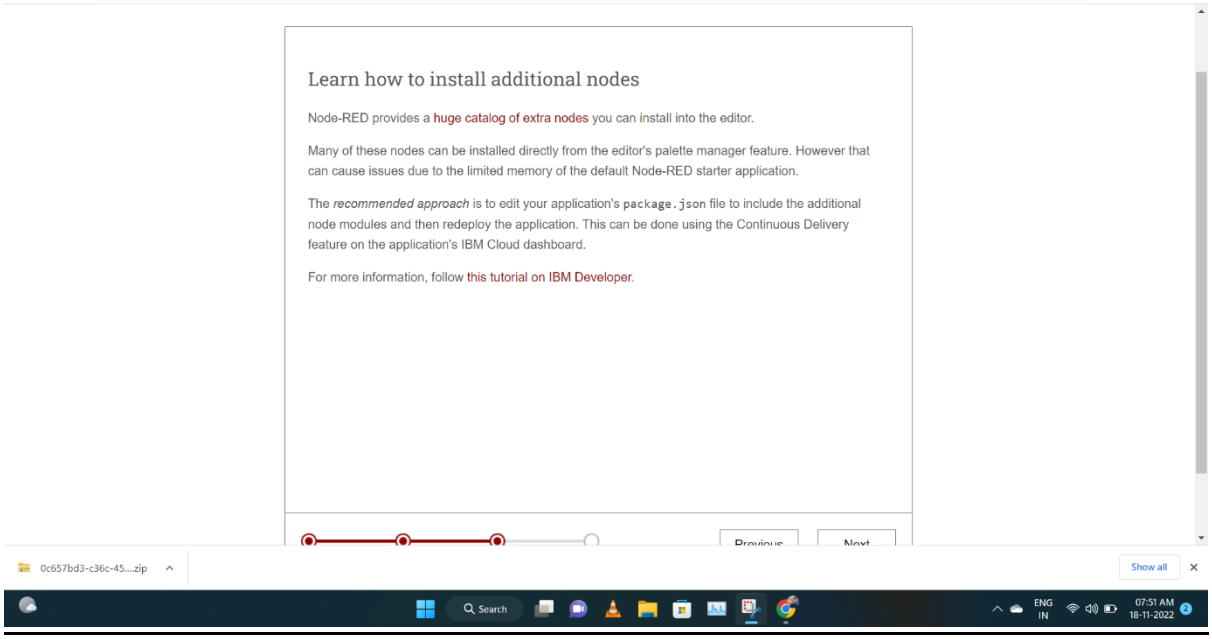
STEP:13



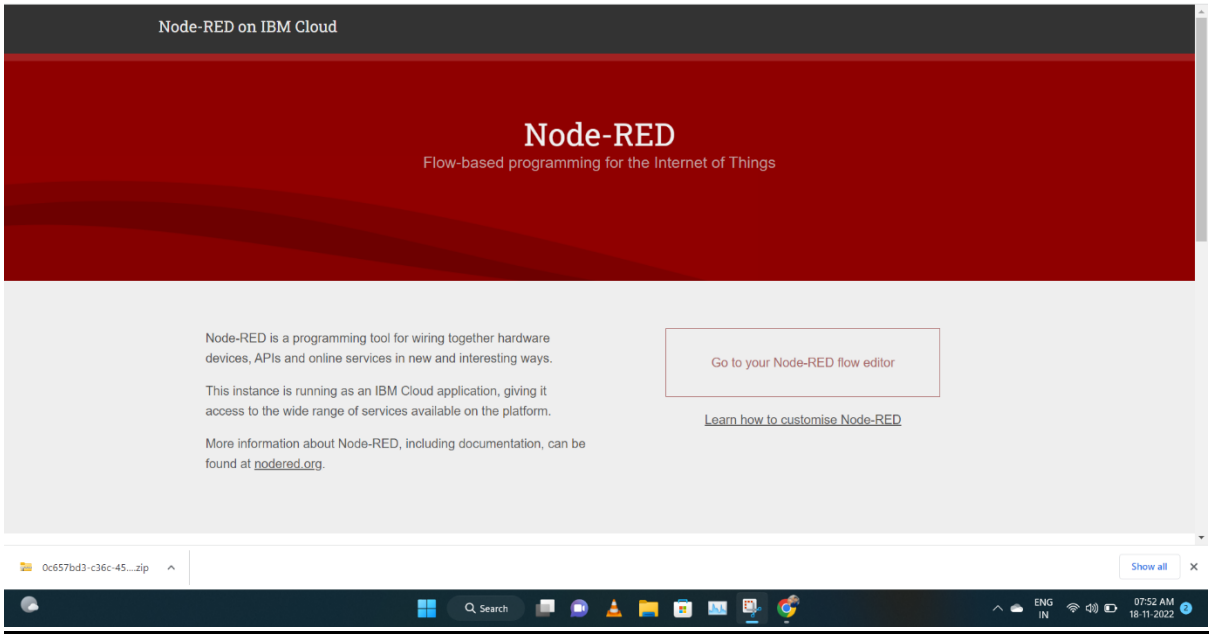
STEP:14



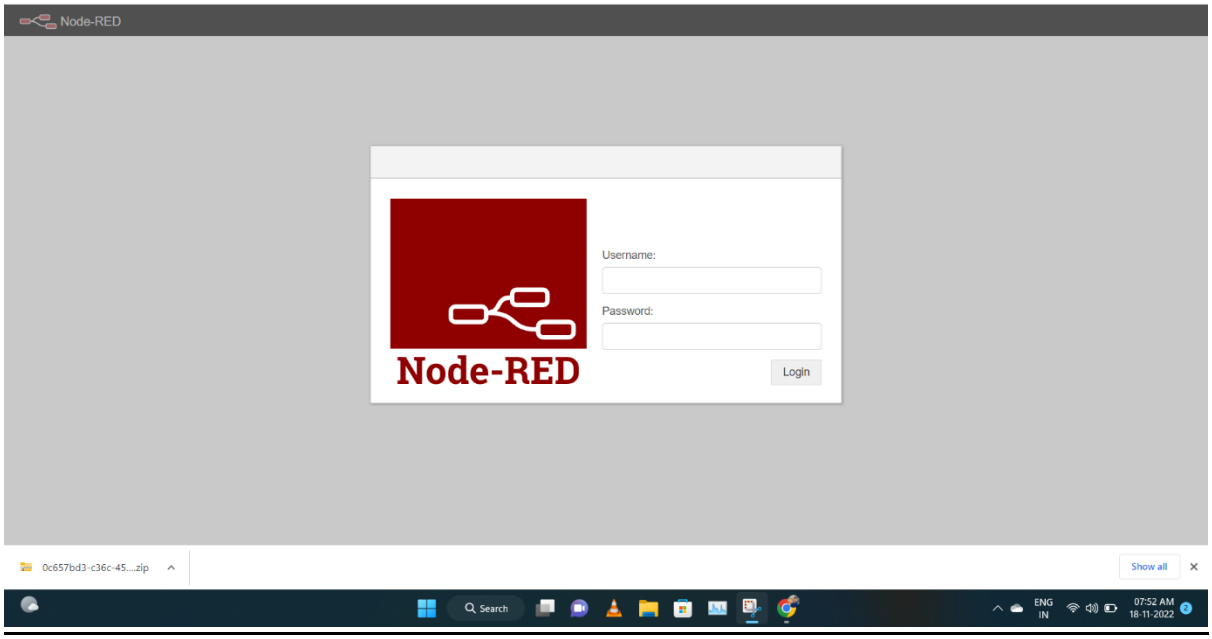
STEP:15



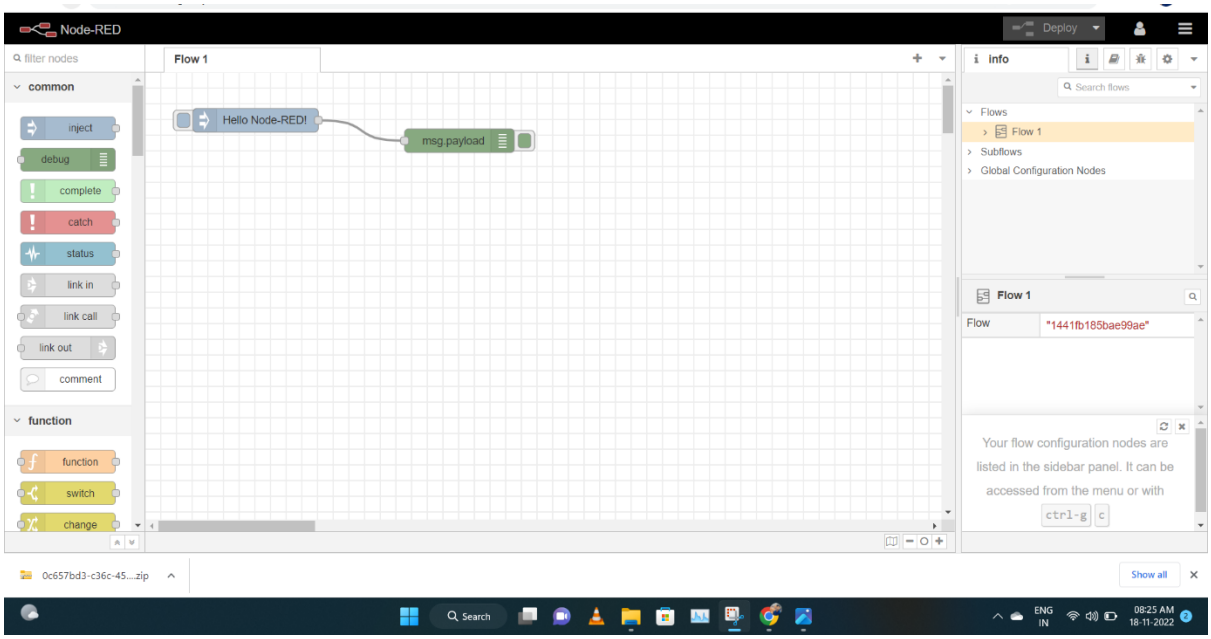
STEP:16



STEP:17



STEP:18



STEP:19