

### Create Node Red service

Team ID	PNT2022TMID01028
Project Name	Smart farmer iot enabled smart farming application system

Step 1: Login into IBM CLOUD account

Step2: In catalog, search for node red application

## Catalog

node

- 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)

Customize your 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 and on the cloud.

Lite • Free • EU Supported • IAM-enabled • IBM supported

https://cloud.ibm.com/developer/appservice/starter-kits/59c9d5bd-4d31-3611-897a-f94eea80dc9f/nodored

Step 3: Enter the project details and click on create

Step 4: click on deploy option and deploy

## Step 5: Set up the environment for deploying and click on create

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

The value is required.

Number of instances

1

Memory allocation per instance

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

## Step 6: Now drag and drop the nodes and connect nodes with IOT Watson platform

The screenshot displays the Node-RED web interface within a browser. The browser's address bar indicates the URL: `node-red-ktsgd-2022-11-08.eu-gb.mybluemix.net/red/#flow/cd2a84c750274c77`. The Node-RED interface features a left sidebar with node categories, a central workspace for building flows, and a right sidebar with an 'info' panel. In the central workspace, a flow named 'Flow 1' is visible, consisting of two nodes: 'Hello Node-RED!' and 'msg.payload', connected by a wire. The right sidebar shows the 'info' panel with a search bar and a list of flows, including 'Flow 1' with ID 'cd2a84c750274c77'. The bottom of the screen shows a Windows taskbar with a search bar and system icons.

Step 7: setup the settings that connects node red service with Watson IOT

Step 8: Finally, output can be seen in node red service