

## *Create and Configure IBM Cloud Service*

### *Create Node-RED Service*

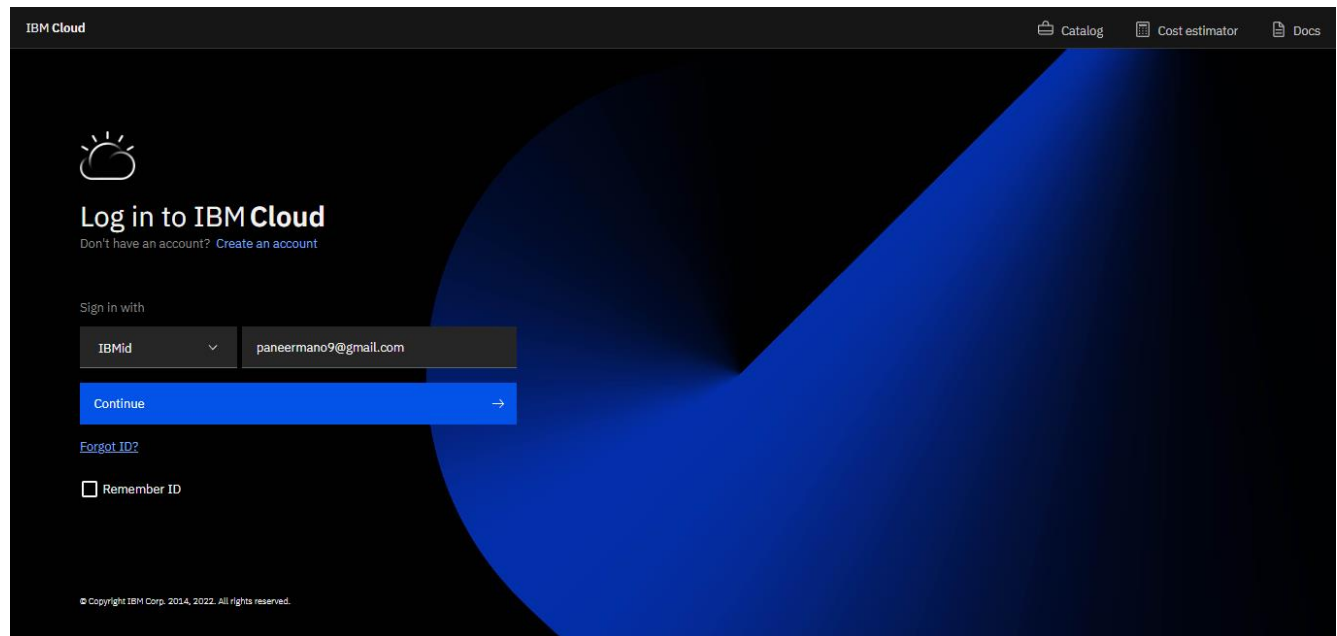
<i>Date</i>	<i>10 November 2022</i>
<i>Team ID</i>	<i>PNT2022TMID52173</i>
<i>Project Name</i>	<i>IoT Based Safety Gadget For Child Safety Monitoring &amp; Notification</i>
<i>Maximum Marks</i>	<i>4 Marks</i>

### **AIM**

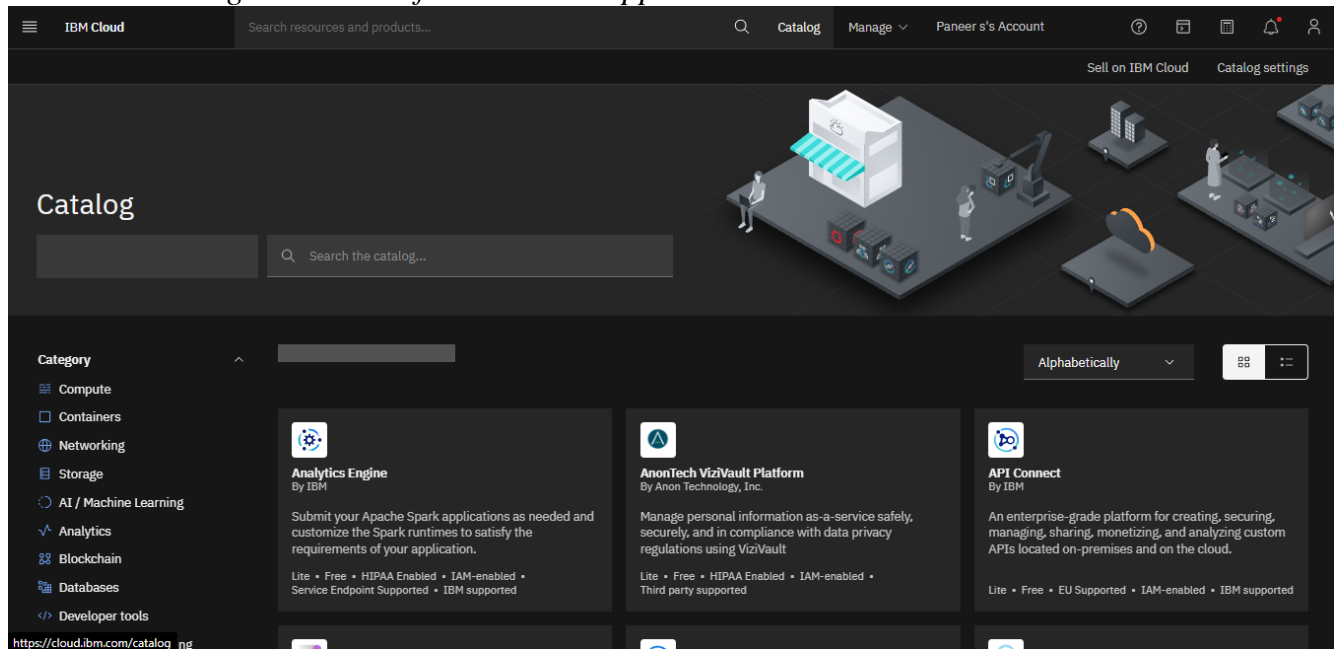
*To Create Node-RED service.*

### **STEPS**

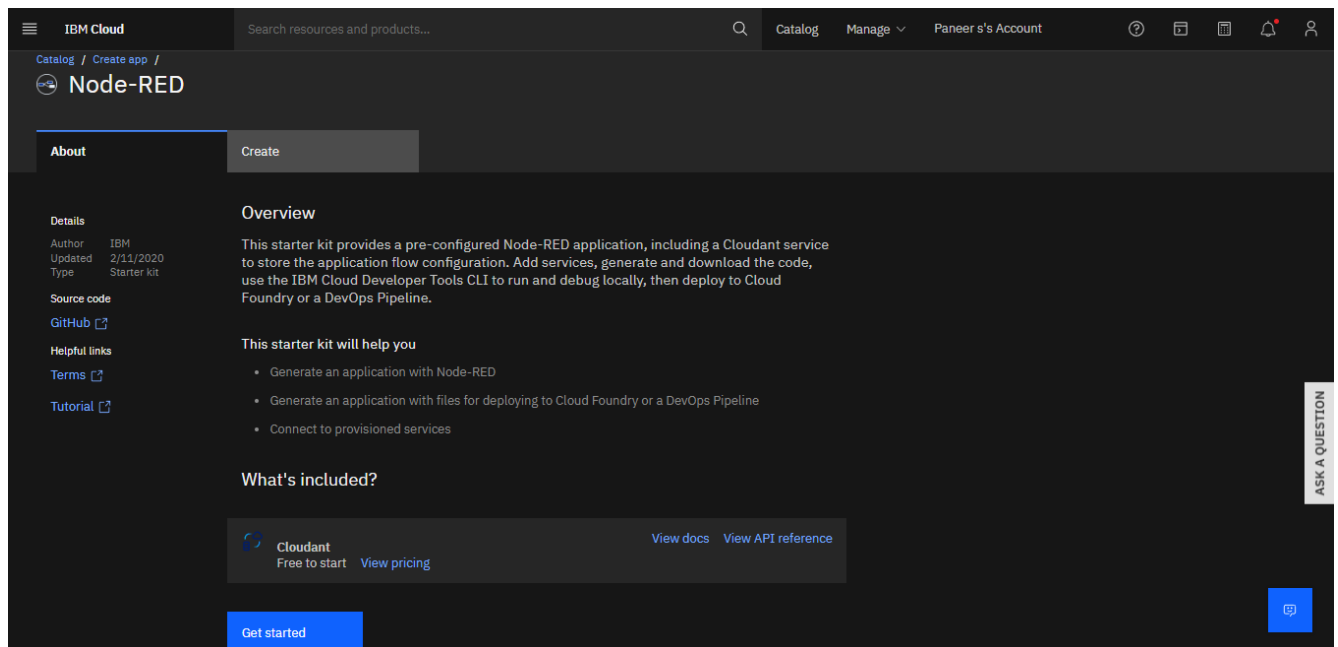
*1.Login to IBM Cloud with smartinternz mail ID and Password.*



2. Go to Catalog and Search for Node-red App in the search bar.



3. Open Node-red App and click get start.



4. In next page click create.

The screenshot shows the IBM Cloud 'Create app' page for Node-RED. The browser address bar shows the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f8&defaultLanguage=undefined`. The page has a dark theme. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog', 'Manage', and 'Paneer s's Account'. Below the navigation bar, there's a breadcrumb 'Catalog / Create app /' followed by the 'Node-RED' title. There are two tabs: 'About' and 'Create', with 'Create' being the active tab. The 'App details' section contains the following fields: 'App name' with the value 'Node RED SRLVY 2022-11-10', 'Resource group' with a dropdown menu showing 'Default', 'Tags' with a text input field containing 'Examples: env:dev, version-1', and 'Platform' with a radio button selected for 'Node.js'. Below this is the 'Service details' section. At the bottom of the page, there's a Windows taskbar with the search bar and several application icons. On the right side of the page, there's a vertical button labeled 'ASK A QUESTION'.

The screenshot shows the 'Service details' section of the IBM Cloud 'Create app' page. The 'Default' resource group is selected. The 'Tags' field contains 'Examples: env:dev, version-1'. The 'Platform' is set to 'Node.js'. The 'Service details' section shows 'Cloudant' as the selected service, indicated by a star icon. Below this, there's a note: '\* = 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.' The 'Region' is set to 'Sydney' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown menu shows 'Cloudant-bu'. There are links for 'Pricing details' and 'Terms'. At the bottom, there are 'Cancel' and 'Create' buttons. On the right side of the page, there's a vertical button labeled 'ASK A QUESTION'.

5. Click *Deploy your app* and it come to this page and select cloud foundry.

IBM Cloud

Search resources and products...

Resource list / App details /

## Node RED SRLVY 2022-11-10

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

### Getting started with apps

#### Step 1. Select the deployment target

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

IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

Before you begin

- One free Kubernetes cluster is available per account.
- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. [Create cluster.](#)

Steps

1. Create an IBM Cloud API key, or select an existing one from a secrets store.

ASK A QUESTION

6. Setting up the environment and deploying the app.

IBM Cloud

Search resources and products...

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

Washington DC vins christian college of engineeri Prem kumar

Host Domain

node-red-iwlyr-2022-11-10 us-east.mybluemix.net

Cancel Next

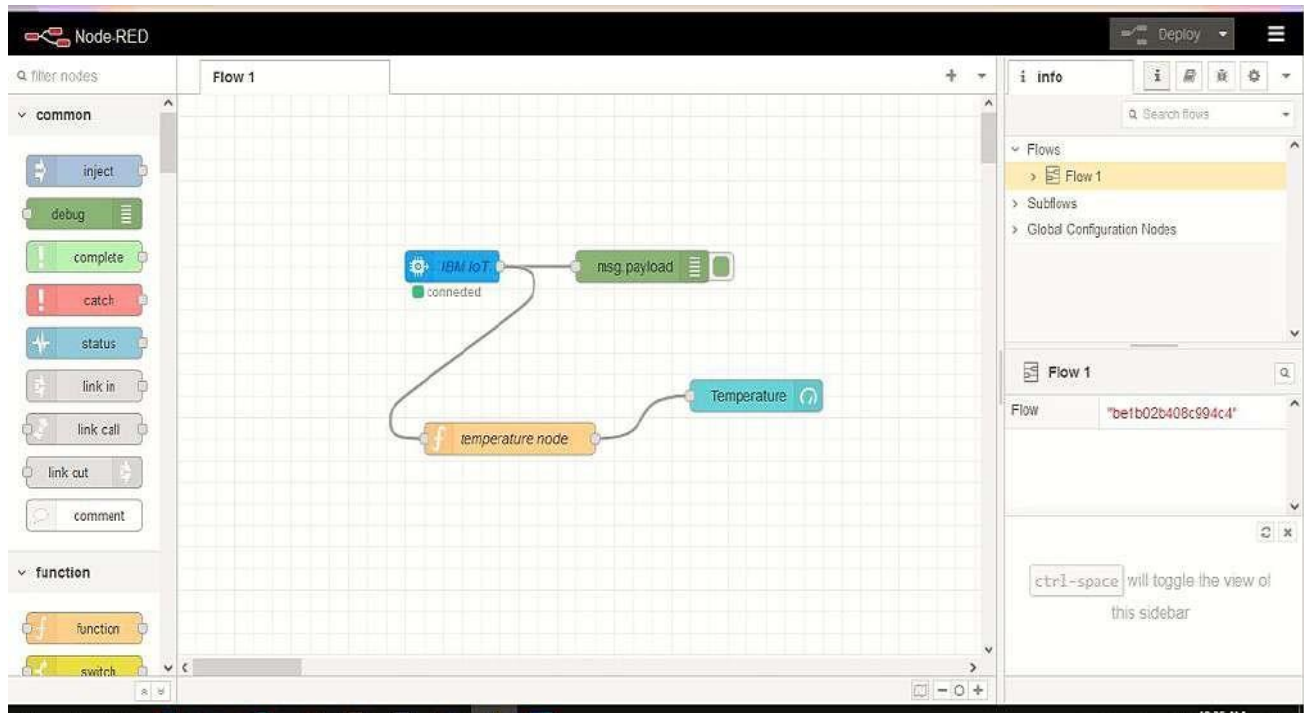
ASK A QUESTION

## 7. Successfully creating the app.

### Delivery Pipelines

Name	ci-pipeline <a href="#">↗</a>
Status	<span>✓</span> Success <a href="#">↗</a>
Last input	Last commit by IBM Cloud DevOps Services (7 minutes ago) <a href="#">Clone from zip</a> <a href="#">↗</a>

*And it's work Successfully*



## **RESULT:**

*Successfully created the Node-RED service.*

***TEAM ID : PNT2022TMID52173***  
***TEAM LEADER : M.PREM KUMAR***  
***TEAM MEMBER 1 : M.PANEER SELVAM***  
***TEAM MEMBER 2 : M.JIJO***  
***TEAM MEMBER 3 : M.ASWIN***