

Create And Configure IBM Cloud Service

Create Node-RED Service

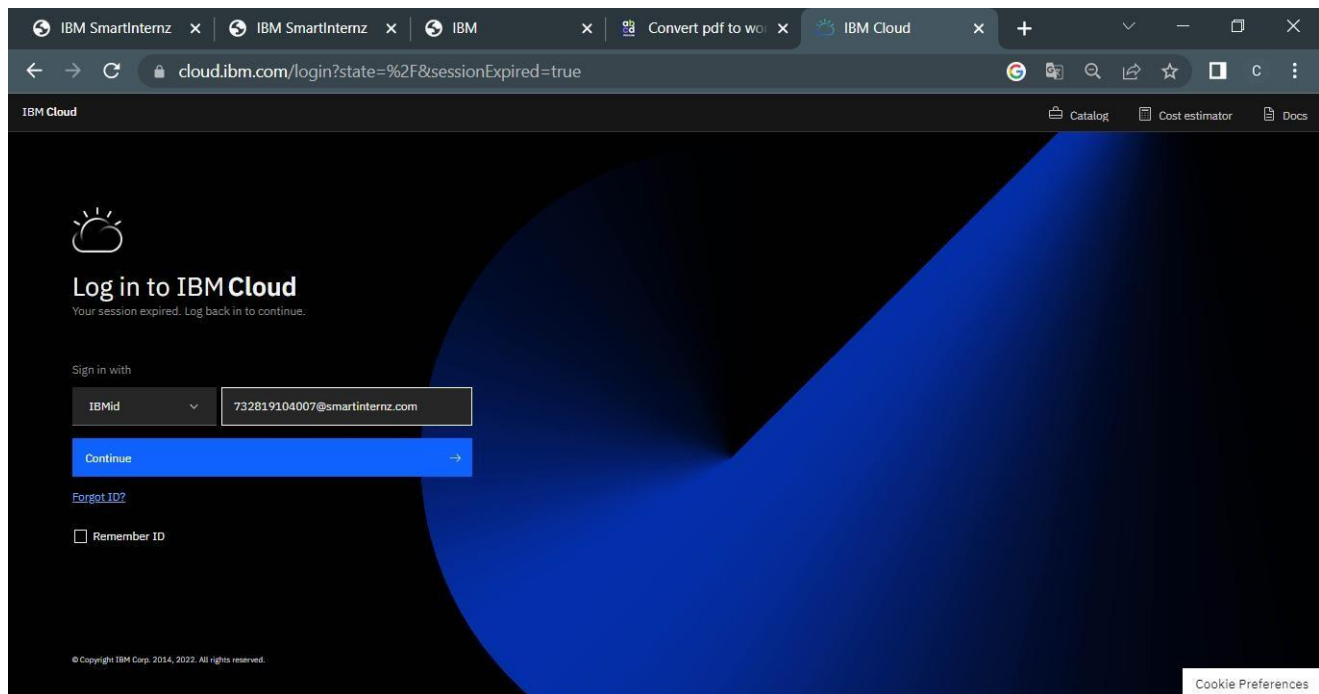
Date	05 November 2022
Team ID	PNT2022TMID44818
Project Name	IoT- Smart Solutions for Railways
Maximum Marks	4 Marks

AIM

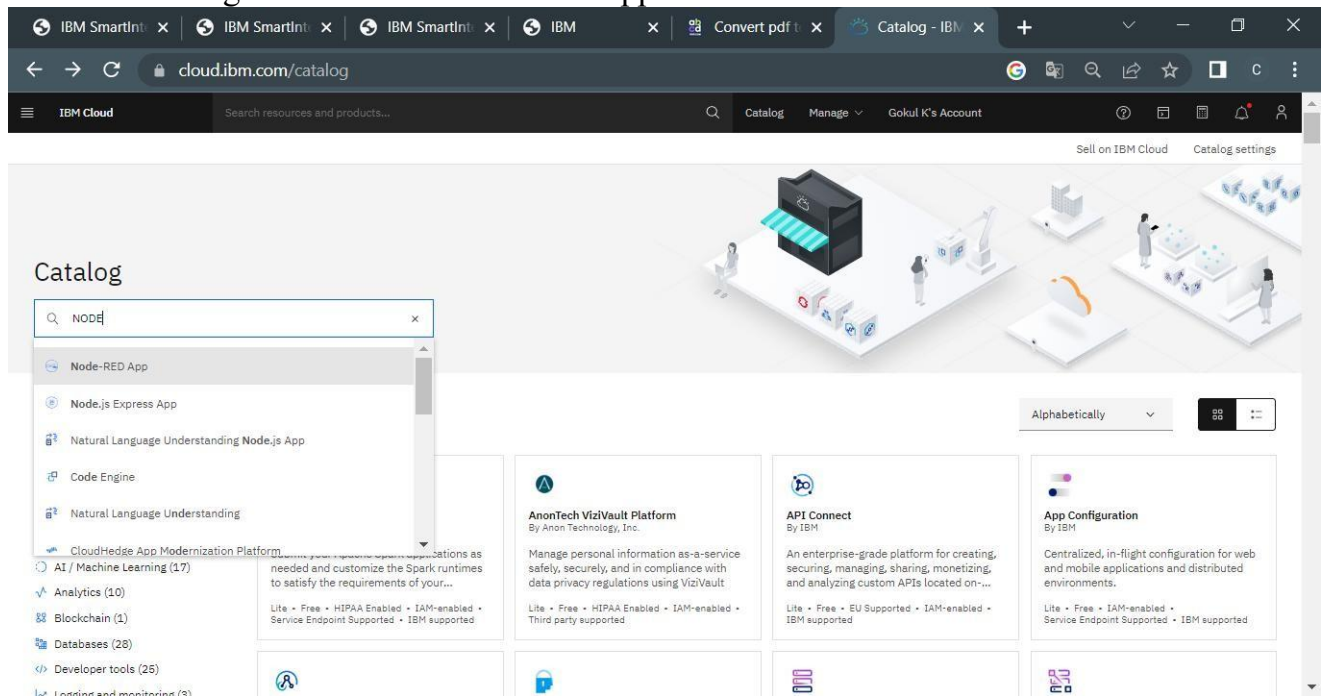
To Create Node-RED service.

STEPS

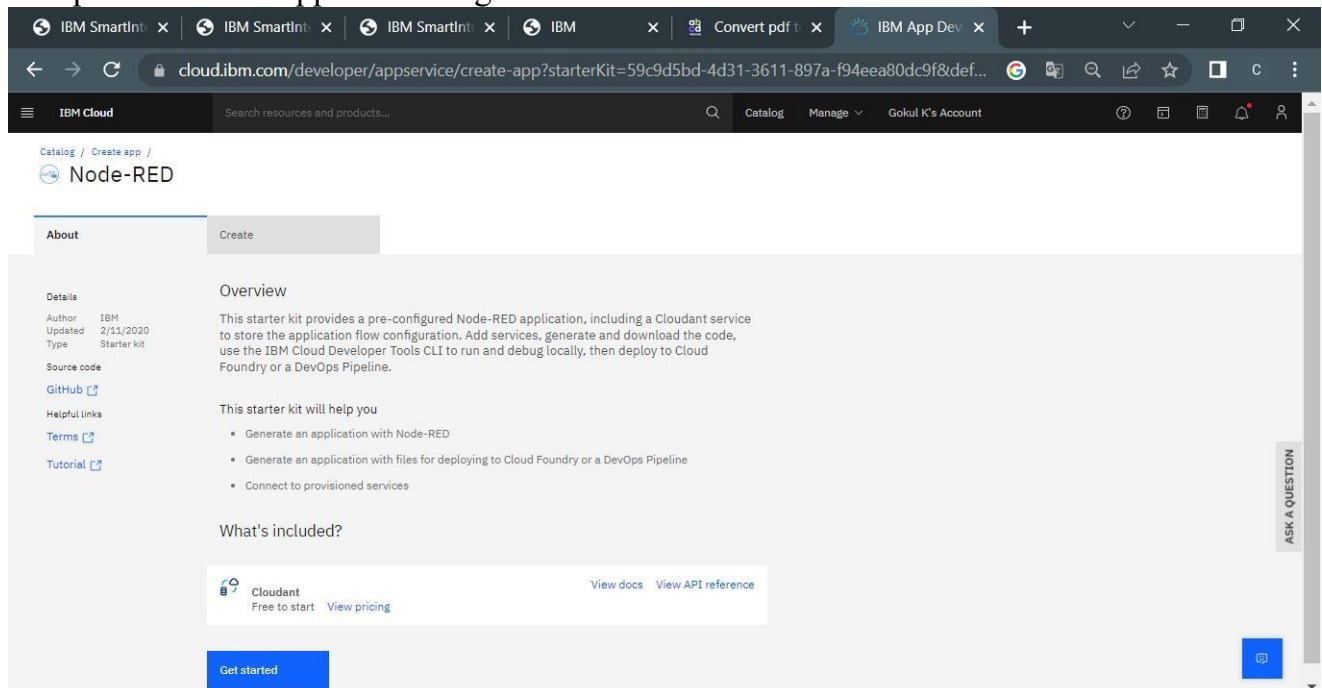
1. Login to IBM Cloud with smart internz mail ID and Password.



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



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

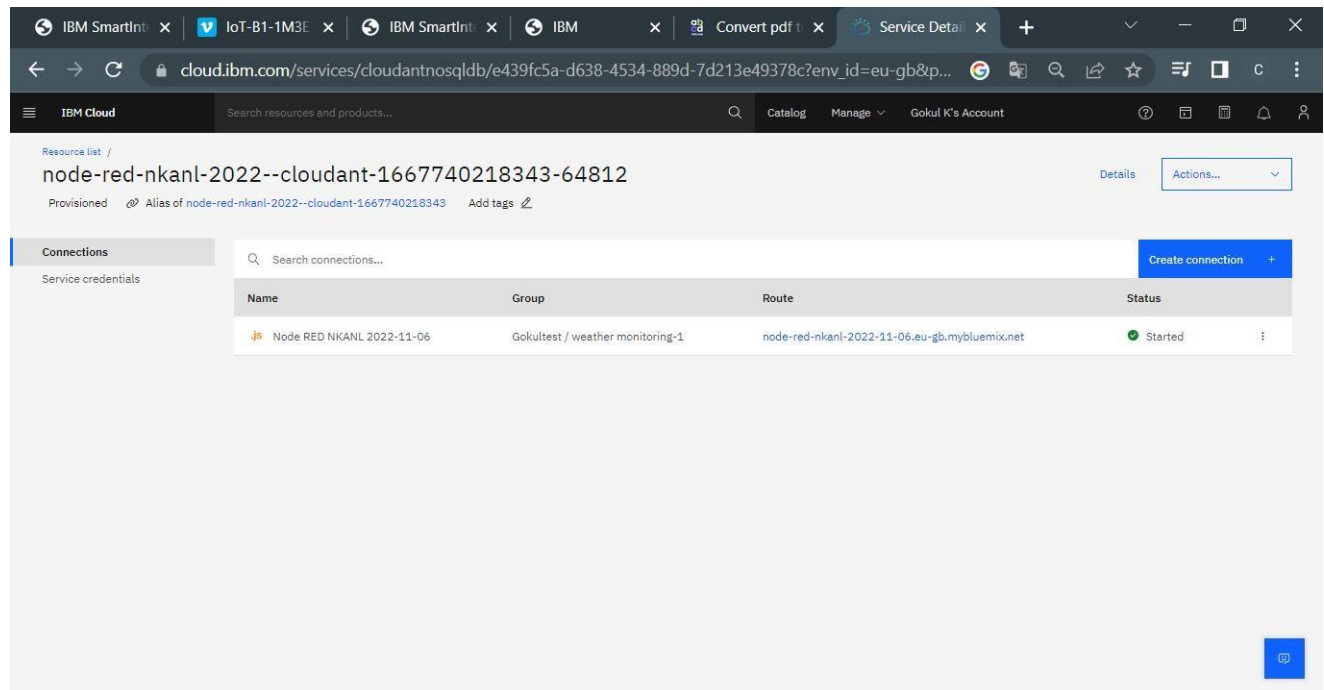


4. In next page click create.

The screenshot shows the IBM Cloud Developer console interface. The browser tabs include 'IBM SmartInt...', 'Convert pdf...', and 'IBM App Dev...'. The URL is 'cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&def...'. The page title is 'Node-RED'. There are two tabs: 'About' and 'Create'. The 'Create' tab is active. Under 'App details', the 'App name' field contains 'Node RED XVGGE 2022-11-09'. Below it, a note says 'Accept the default name, or enter a value between 2 and 128 characters.' The 'Resource group' is set to 'Default'. The 'Tags' field has 'Examples: env/dev, version-1'. The 'Platform' is set to 'Node.js'. The 'Service details' section is partially visible at the bottom. A vertical 'ASK A QUESTION' button is on the right side.

The screenshot shows the 'Overview' page for a created Node-RED app. The browser tabs include 'IoT-B1-1M3E', 'IBM SmartInt...', 'Convert pdf...', and 'Service Detail...'. The URL is 'cloud.ibm.com/services/cloudantnosqldb/crn%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3Ae...'. The page title is 'node-red-nkanl-2022--cloudant-1667740218343'. The status is 'Active'. There are tabs for 'Manage', 'Overview', 'Capacity', and 'Docs'. The 'Overview' tab is active. On the left, there are links for 'Service credentials', 'Plan', and 'Connections'. On the right, there is a 'Launch Dashboard' button. The 'Deployment details' section shows the following information: CRN: 'crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/3c6c3170274140d5aa3655fdd637ef7d:62733921-86ec-4eed-b0af-e4da67b69c02::', Location: 'London', External endpoint: 'https://6c6a3e75-b0bf-44ac-b56e-5447fe43f64f-bluemix.cloudant.com', External endpoint (preferred): 'https://6c6a3e75-b0bf-44ac-b56e-5447fe43f64f-bluemix.cloudantnosqldb.appdomain.cloud', Authentication methods: 'IBM Cloud IAM and Cloudant credentials', Activity Tracker event types: 'Management', and Disk encryption: 'Yes. Automatically generated disk encryption key.' A 'Migrate to IAM Only' button is also present.

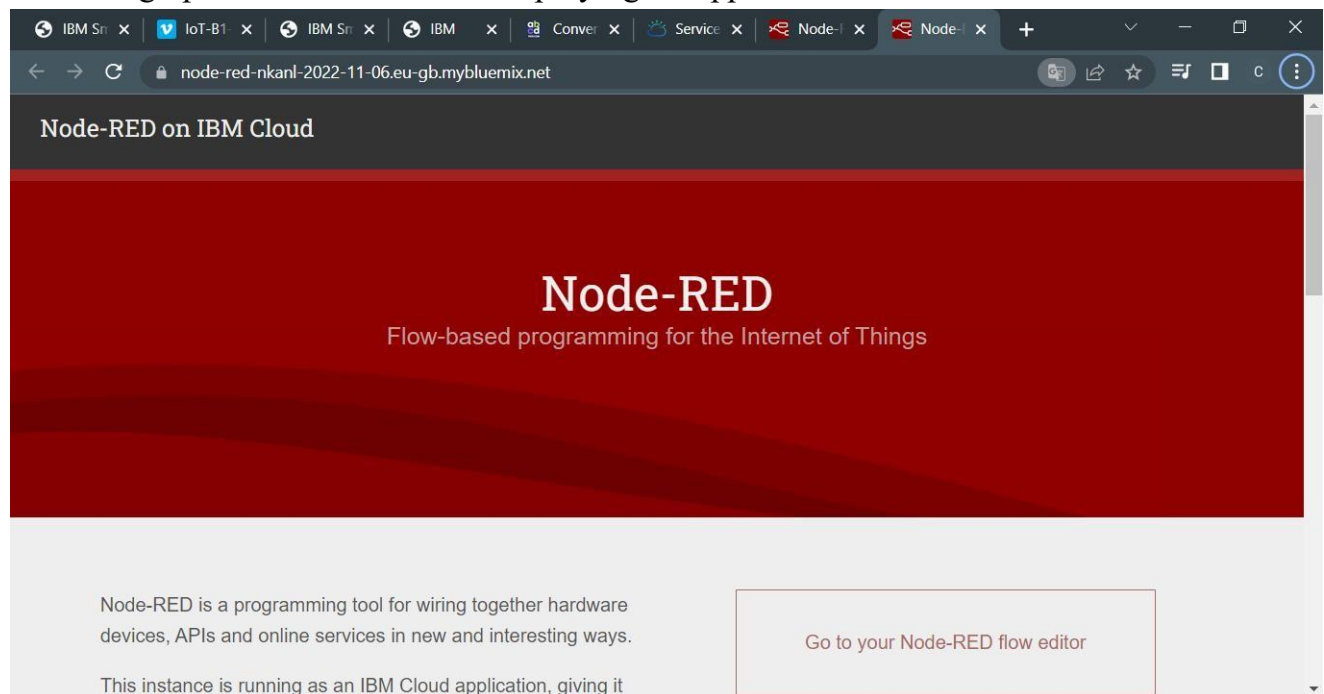
5. Click Deploy your app and it come to this page and select cloud foundry.



The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and 'Gokul K's Account'. The main content area displays the 'Connections' tab for a resource named 'node-red-nkanl-2022--cloudant-1667740218343-64812'. A table lists the connections, with one entry 'Node RED NKANL 2022-11-06' in the 'Group' column, 'Gokultest / weather monitoring-1' in the 'Route' column, and 'node-red-nkanl-2022-11-06.eu-gb.mybluemix.net' in the 'Status' column. The status is 'Started'.

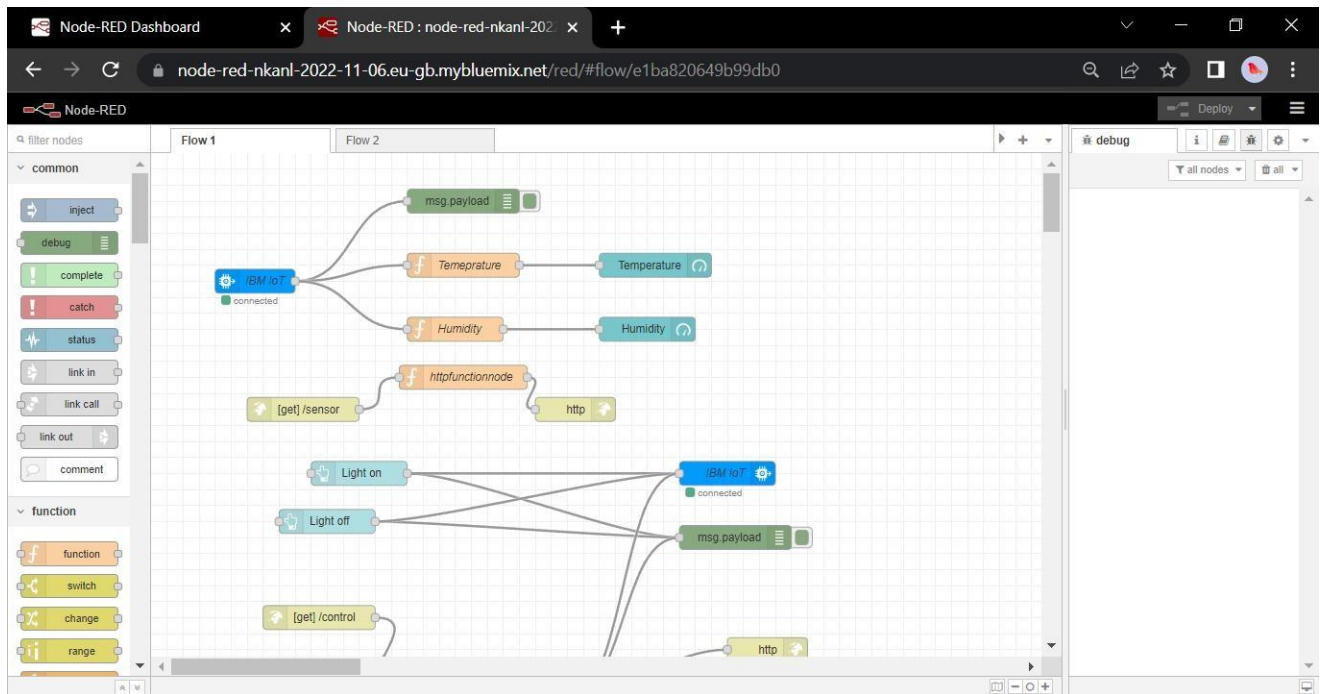
Name	Group	Route	Status
Node RED NKANL 2022-11-06	Gokultest / weather monitoring-1	node-red-nkanl-2022-11-06.eu-gb.mybluemix.net	Started

6. Setting up the environment and deploying the app.



The screenshot shows the Node-RED web interface on IBM Cloud. The header reads 'Node-RED on IBM Cloud'. The main content area features a large red banner with the text 'Node-RED' and 'Flow-based programming for the Internet of Things'. Below the banner, there is a section titled 'Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.' and a button labeled 'Go to your Node-RED flow editor'.

7. Successfully creating the app.



And it's work Successfully

RESULT:

Successfully created the Node-RED service.