

Create And Configure IBM Cloud Service

Create Node-RED Service

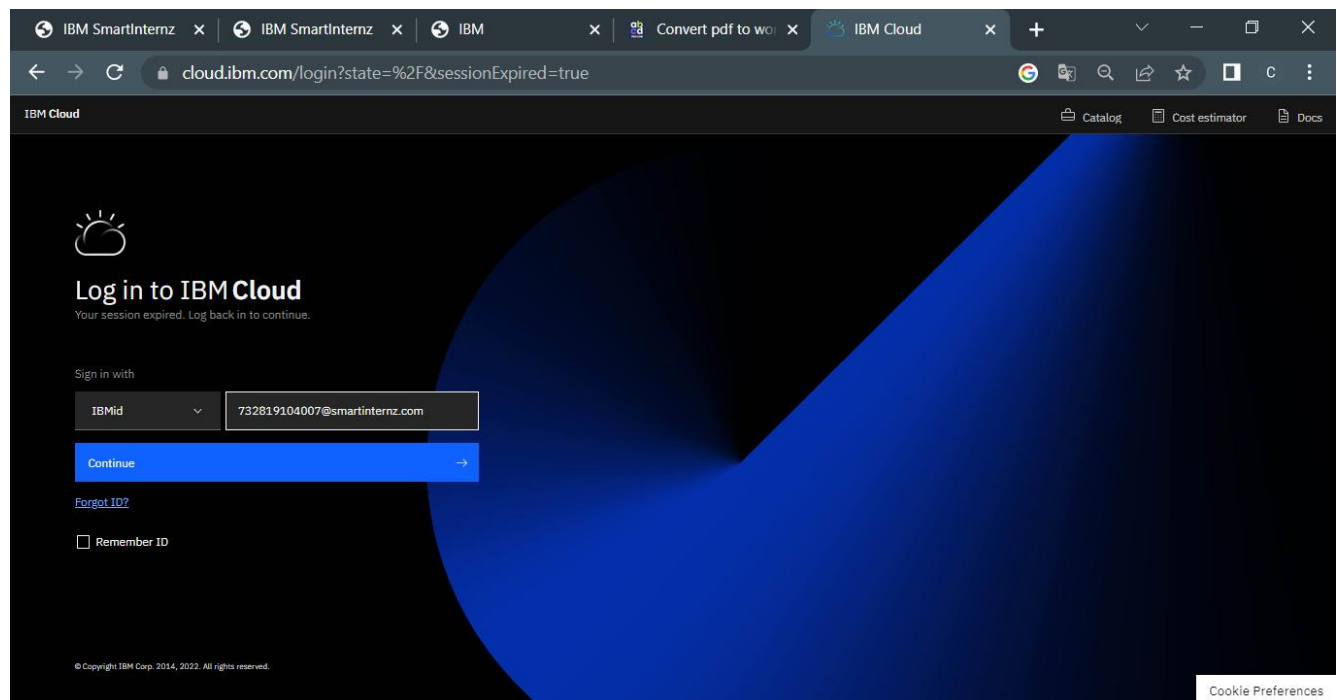
Date	28 October 2022
Team ID	PNT2022TMID44808
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

AIM

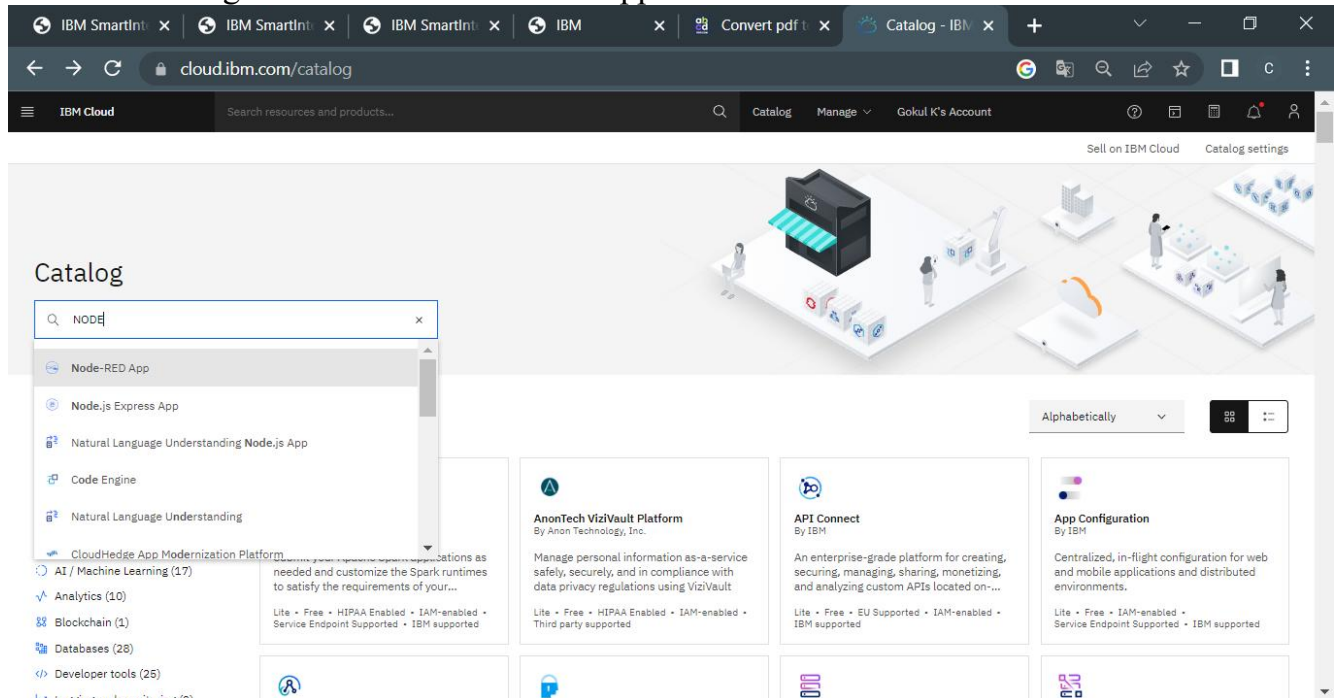
To Create Node-RED service.

STEPS

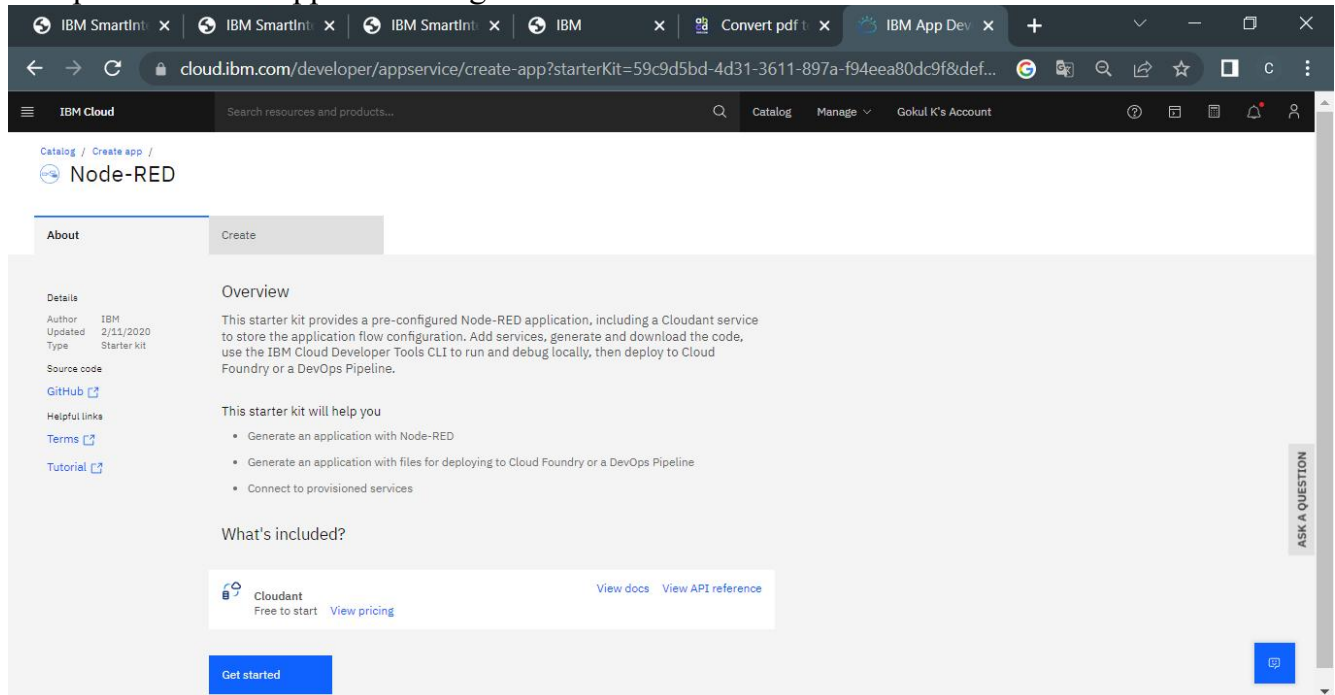
1.Login to IBM Cloud with smart internz mail ID and Password.



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 'Create app' page for Node-RED in the IBM Cloud Developer console. 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 has a header with 'IBM Cloud', a search bar, and navigation links for 'Catalog', 'Manage', and 'Gokul K's Account'. Below the header, there's a breadcrumb 'Catalog / Create app /' and the title 'Node-RED'. Two tabs are visible: 'About' and 'Create'. The 'Create' tab is active, showing 'App details'. Under 'App details', there are fields for 'App name' (containing 'Node RED XVGGE 2022-11-09'), 'Resource group' (set to 'Default'), 'Tags' (with an example 'env:dev, version-1'), and 'Platform' (set to 'Node.js'). A 'Service details' section is partially visible at the bottom. On the right side, there's a vertical 'ASK A QUESTION' button and a blue chat icon.

The screenshot shows the 'Overview' page for a deployed Node-RED application in the IBM Cloud Developer console. 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 header is similar to the previous screenshot. The breadcrumb is 'Resource list /'. The title is 'node-red-nkanl-2022---cloudant-1667740218343' with a green 'Active' status and an 'Add tags' link. There are 'Details' and 'Actions...' buttons. A 'Launch Dashboard' button is also present. The left sidebar has a 'Manage' tab selected, with sub-links for 'Service credentials', 'Plan', and 'Connections'. The main content area shows 'Deployment details' with fields for 'CRN', 'Location' (London), 'External endpoint', 'External endpoint (preferred)', 'Authentication methods' (IBM Cloud IAM and Cloudant credentials), 'Activity Tracker event types' (set to 'Management'), and 'Disk encryption' (Yes, Automatically generated disk encryption key). A 'Migrate to IAM Only' button is next to the authentication methods. A blue chat icon is at the bottom right.

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

Resource list / node-red-nkanl-2022--cloudant-1667740218343-64812

Provisioned Alias of node-red-nkanl-2022--cloudant-1667740218343 Add tags

Connections

Service credentials

Create connection +

Name	Group	Route	Status
Node RED NKANIL 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.

Node-RED on IBM Cloud

Node-RED

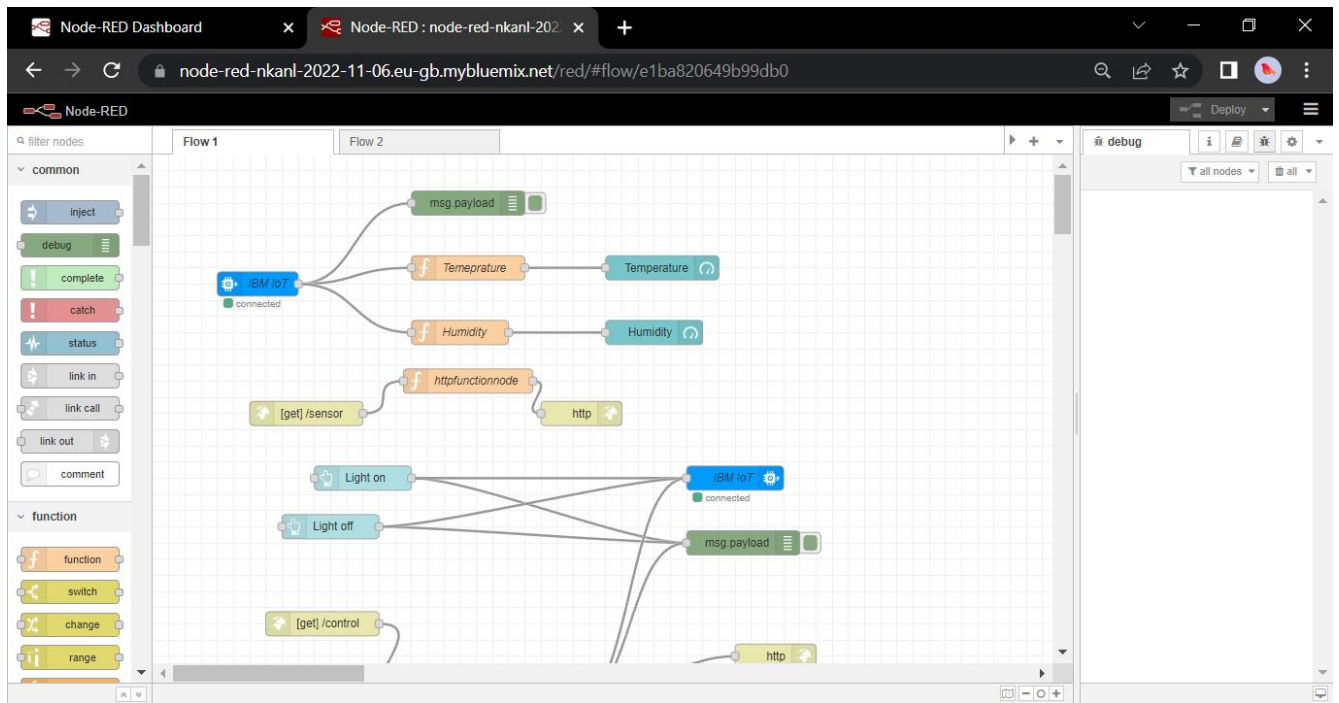
Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it

Go to your Node-RED flow editor

7. Successfully creating the app.



And it's work Successfully

RESULT:

Successfully created the Node-RED service.

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TEAM SIZE 4

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