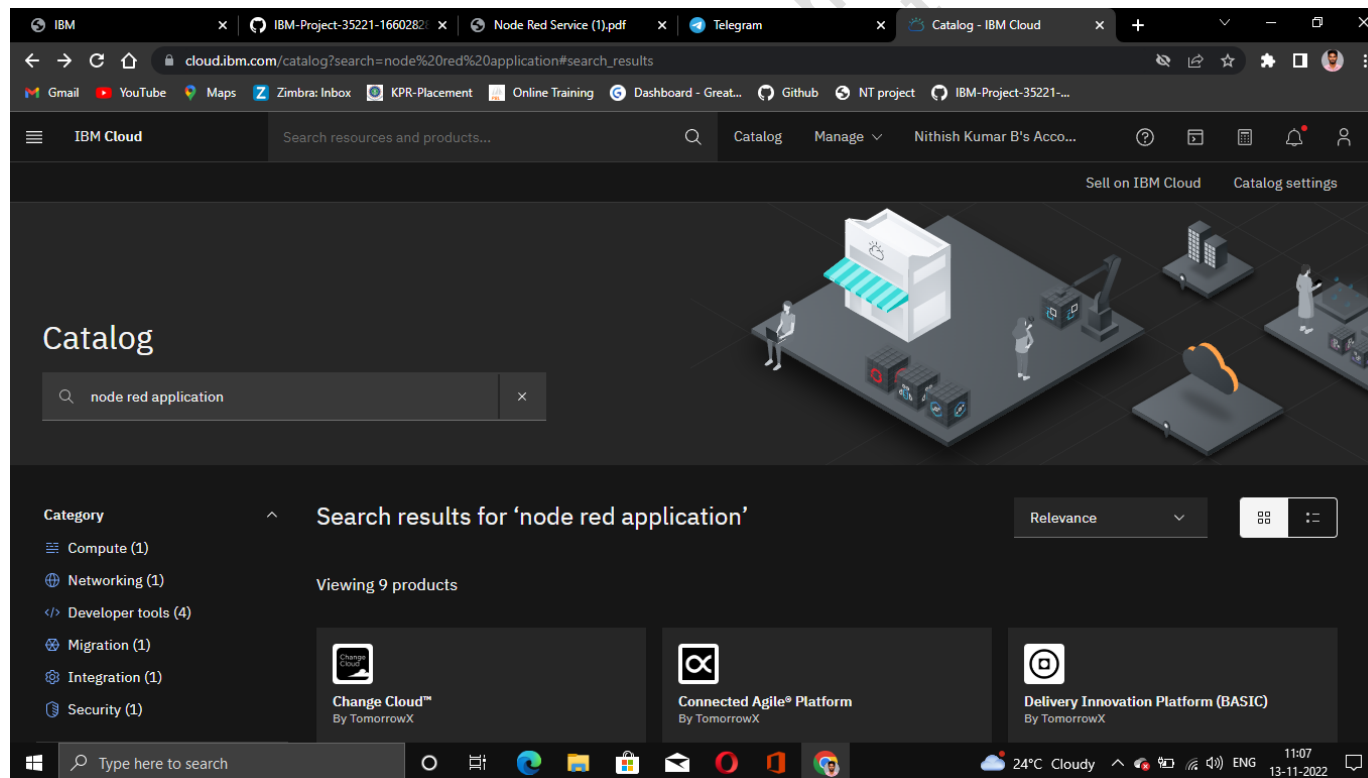


Create Node Red service

Team ID	PNT2022TMID14345
Project Name	Smart waste management system for metropolitan cities

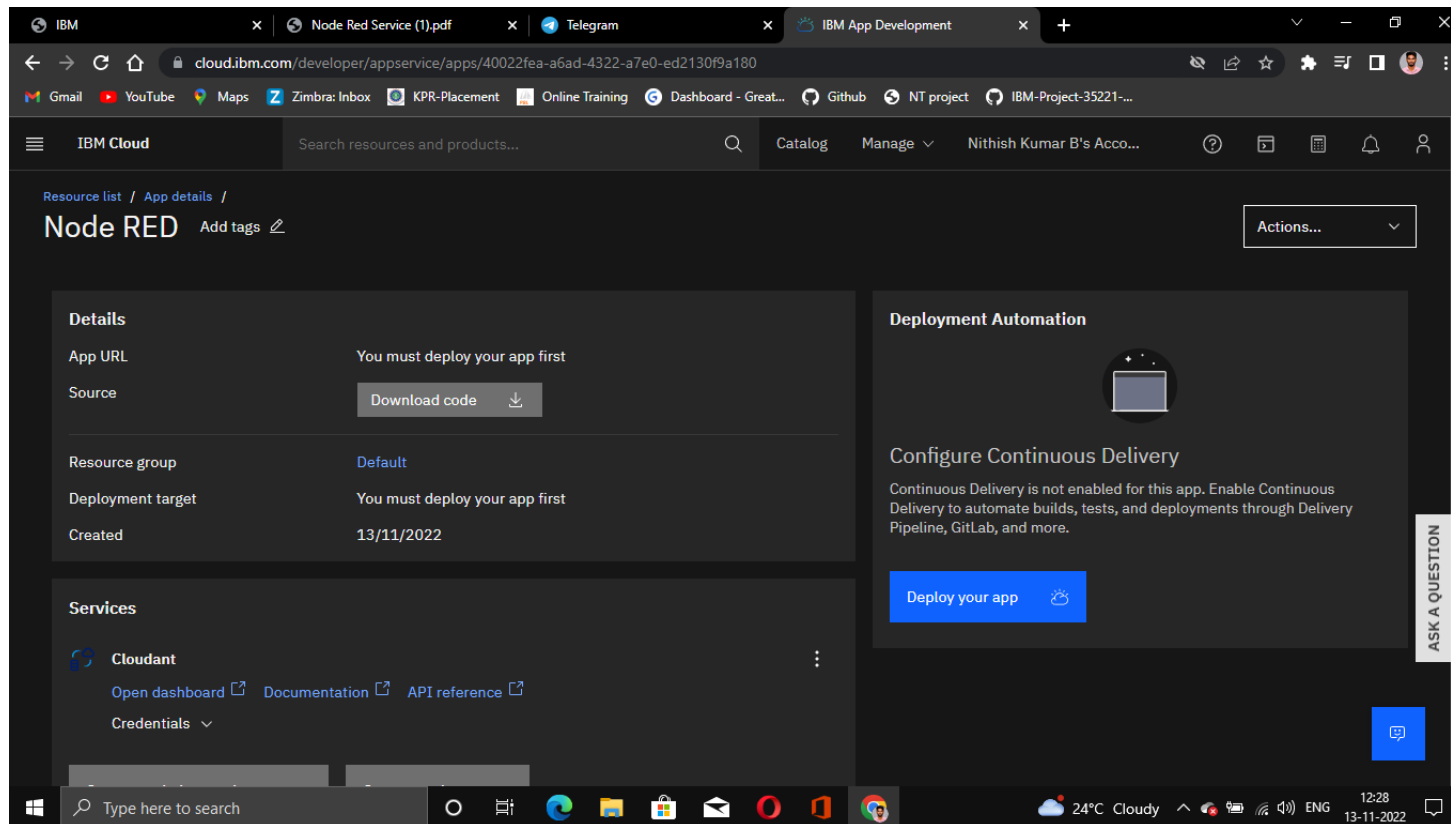
Step 1: Login into IBM CLOUD account

Step2: In catalog, search for node red application



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

The screenshot shows the IBM Cloud Developer console interface for configuring a new application. The browser tabs include IBM, Node Red Service (1).pdf, Telegram, IBM App Development, and IBM Cloud Account. The URL is cloud.ibm.com/developer/appservice/apps/38a3ca06-1a6c-499e-9a2a-d4a437309d4c. The page title is "IBM Cloud". The search bar contains "Search resources and products...". The navigation menu includes "Catalog", "Manage", and "Nithish Kumar B's Acco...". The main content area is titled "IBM Cloud API key" and shows a masked key with a "New +" button. Below this, the "Number of instances" is set to "1". The "Memory allocation per instance" is shown as a slider from "64 MB" to "2000 MB", with a value of "256" selected. The "Region" is set to "London", the "Organization" is "nithish0447", and the "Space" is "kumar". The "Host" is "node-red-wacuh-2022-11-13" and the "Domain" is "eu-gb.mybluemix.net". At the bottom, there are "Cancel" and "Next" buttons. A vertical "ASK A QUESTION" button is on the right side. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, along with the system tray displaying "24°C Cloudy" and the date "13-11-2022".

IBM Cloud API key

Number of instances

Memory allocation per instance

64 MB 2000 MB 256

Region Organization Space

London nithish0447 kumar

Host Domain

node-red-wacuh-2022-11-13 eu-gb.mybluemix.net

Cancel Next

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 in a browser. The address bar shows the URL: `node-red-wacuh-2022-11-13-gb.mybluemix.net/red/#flow/d28c52a452158693`. The interface includes a left sidebar with a 'filter nodes' search bar and two categories of nodes: 'common' and 'function'. The 'common' category contains nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The 'function' category contains a 'function' node. The main workspace, titled 'Flow 1', shows a flow diagram with an 'inject' node connected to a 'msg.payload' node. The right sidebar has an 'info' tab with a 'Search flows' bar, a list of flows (including 'Flow 1'), and a section for 'Flow 1' showing its ID as 'd28c52a452158693'. At the bottom, there is a search bar with the text 'Type here to search' and a system tray showing the date and time as 13:21 on 13-11-2022.

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

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with a single node labeled 'Hello Node-RED!'. The left sidebar contains a palette of nodes categorized under 'common' and 'function'. The right sidebar shows the 'Edit inject node' configuration panel. In this panel, the 'Name' field is empty, and the 'msg. payload' is set to 'Hello Node-RED!'. The 'msg. topic' is set to 'a_z'. Below these fields, there are options for 'Inject once after' (set to 0.1 seconds) and 'Repeat' (set to none). The 'Enabled' checkbox is checked. On the far right, a 'debug' console shows two log entries: '11/13/2022, 1:25:15 PM node: f2f2649a.0d0d98 msg.payload : string[15] "Hello Node-RED!"' and '11/13/2022, 1:25:24 PM node: f2f2649a.0d0d98 msg.payload : string[15] "Hello Node-RED!"'. The browser's address bar shows the URL 'node-red-wacuh-2022-11-13.eu-gb.mybluemix.net/red/#flow/d28c52a452158693'. The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the date and time as 13:27 on 13-11-2022.

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

The screenshot displays the Node-RED web interface in a browser. The top navigation bar includes a 'Deploy' button. The main workspace, titled 'Flow 1', contains a flow with two nodes: a 'Hello Node-RED!' node (highlighted with an orange border) and a 'msg.payload' node. The left sidebar shows the 'common' and 'function' node categories. The right sidebar features a 'debug' console with a dropdown menu set to 'all nodes'. The console displays two log entries, both showing the message 'Hello Node-RED!' with a timestamp of 11/13/2022, 1:25:15 PM and a node ID of f2f2649a.0d0d98. The bottom of the image shows the Windows taskbar with various application icons and the system clock indicating 13:38 on 13-11-2022.