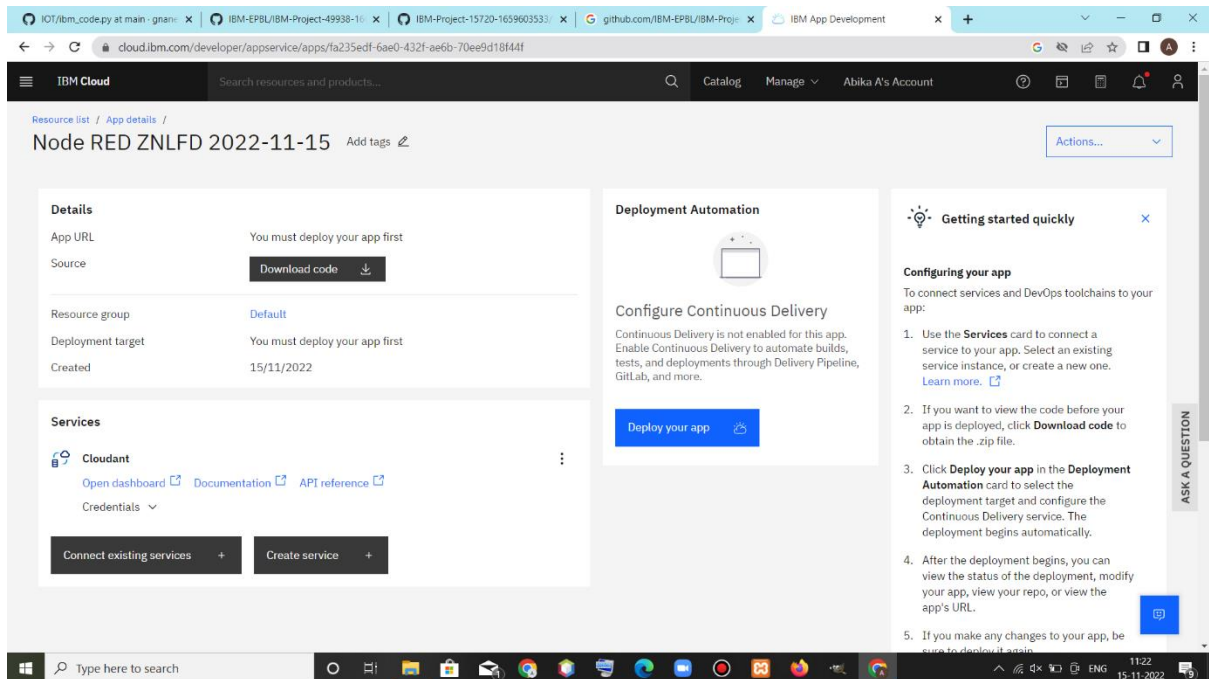
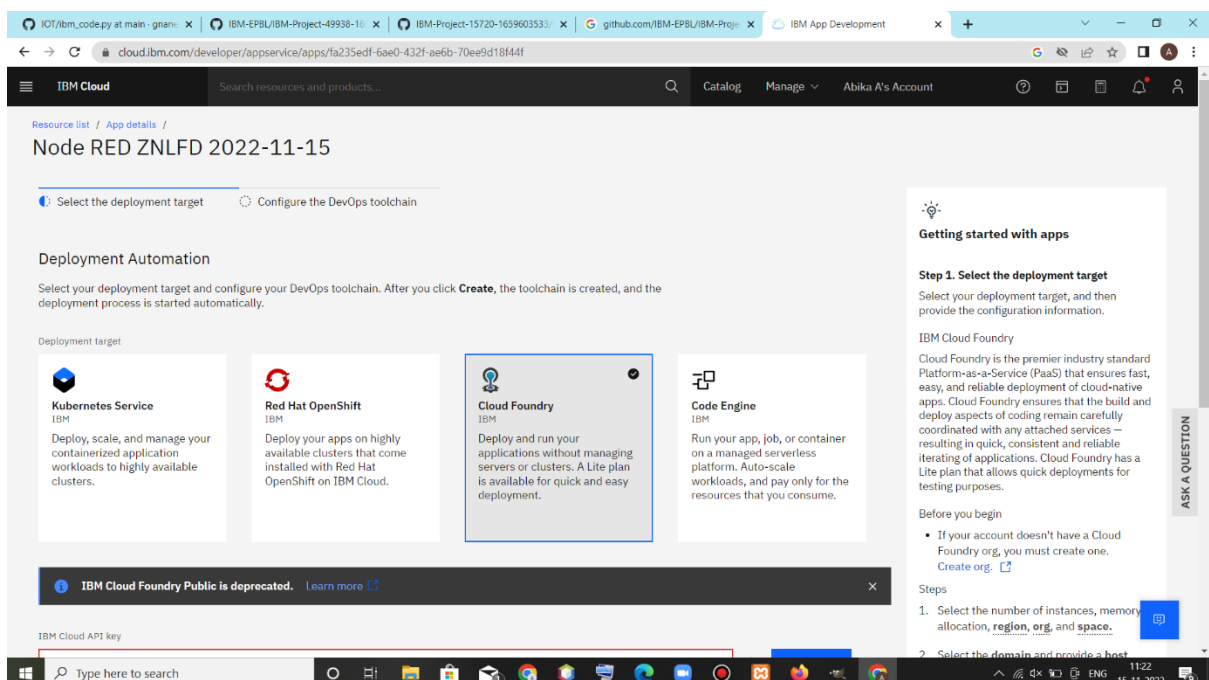


Create Node-RED Service

Step 1: Open the Node-red App



Step 2: Choose the cloud foundry option



Step 3: Fill the necessary credentials

The screenshot shows the IBM Cloud Foundry Public console. At the top, there is a navigation bar with the IBM Cloud logo and a search bar. Below the navigation bar, there is a message: "IBM Cloud Foundry Public is deprecated. Learn more". The main content area is titled "New" and contains the following fields:

- IBM Cloud API key: A text input field with a "New" button next to it.
- Number of instances: A dropdown menu set to "1".
- Memory allocation per instance: A slider ranging from 64 MB to 2000 MB, with a value of 256 MB selected.
- Region: A dropdown menu set to "Sydney".
- Organization: A dropdown menu set to "ACGCET".
- Space: A dropdown menu set to "New".
- Host: A text input field containing "node-red-znlf-2022-11-15".
- Domain: A dropdown menu set to "au-syd.mybluemix.net".

At the bottom of the form, there are "Cancel" and "Next" buttons. A "Talk to Cortana" button is also visible. On the right side, there is a sidebar with an "ASK A QUESTION" button.

Step 4: View the details

The screenshot shows the IBM Cloud Foundry Public console displaying the details of an application named "Node RED ZNLF 2022-11-15". The page has a navigation bar with the IBM Cloud logo and a search bar. Below the navigation bar, there is a message: "IBM Cloud Foundry Public is deprecated. Learn more". The main content area is titled "Node RED ZNLF 2022-11-15" and contains the following sections:

- Details**: A table with the following information:
 - App URL: You must deploy your app first
 - Source: Download code (button)
 - Resource group: Default
 - Deployment target: You must deploy your app first
 - Created: 15/11/2022
- Services**: A section with a "Cloudant" service listed. Below it, there are links for "Open dashboard", "Documentation", and "API reference". There is also a "Credentials" dropdown menu. At the bottom, there are buttons for "Connect existing services" and "Create service".
- Deployment Automation**: A section with the following information:
 - Name: NodeREDZNLF2022-11-15
 - Location: Dallas
 - Tool integrations: A set of icons representing different tool integrations.
 - Delivery Pipelines**: A table with the following information:
 - Name: ci-pipeline
 - Status: No stages detected
 - Name: pr-pipeline
 - Status: No stages detected
- Getting started quickly**: A section with a "Configuring your app" subsection. It contains a list of steps:
 - Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more.](#)
 - If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.
 - Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
 - After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL.
 - If you make any changes to your app, be sure to deploy it again.

At the bottom of the page, there is a sidebar with an "ASK A QUESTION" button.

Step 5: Open ci-pipeline Dashboard

The screenshot shows the IBM Cloud ci-pipeline Dashboard. The left sidebar contains navigation links: PipelineRuns, Definitions, Worker, Triggers, Environment properties, and Other settings. The main content area displays a table of pipeline runs. The table has columns for Status, Trigger, and a list of runs. One run is visible: #1 simple-hosted-pipeline-8d6c7638-6c67-46c9-92ab-99dfe6912f3, which is in a 'Running' state. The table also shows 'Items per page: 25' and '1 • 1 items'. A 'Run pipeline' button is located in the top right corner. The bottom of the screen shows a Windows taskbar with various application icons and the system clock.

Step 6: Get all the packages run

The screenshot shows the IBM Cloud ci-pipeline PipelineRun details page. The left sidebar is the same as in Step 5. The main content area displays the details for the pipeline run 'simple-hosted-pipeline-8d6c7638-6c67-46c9-92ab-99dfe6912f3'. It shows the status 'Running', tasks completed (5), failed (0), cancelled (0), incomplete (1), and skipped (0). The duration is 7m 55s. The trigger is 'Manual' and the worker is 'IBM Managed workers in DALLAS'. A list of tasks is shown on the left: extract-repository-url, extract-value-jq, clone-task, code-risk-analyzer, build, rolling-deploy-task, and publish-deployable-t... The 'extract-value-jq' task is highlighted, showing its status as 'Completed' and a duration of 1s. The logs for this task are displayed in a dark box, showing the URL 'https://us-south.git.cloud.ibm.com/91761915001/NodeREDZMLFD2022-11-15' and the message 'Step completed successfully'. A 'Show Context' link is available. The bottom of the screen shows a Windows taskbar with various application icons and the system clock.

Step 7: Get the Node-Red App URL

The screenshot shows the IBM Cloud Developer console for a Node-RED application named "Node RED ZNLFD 2022-11-15". The interface is divided into several sections:

- Details:** Displays the App URL (<https://node-red-znlfd-2022-11-15.au-syd.mybluemix.net>), Source, Resource group (Default), Deployment target (Node RED ZNLFD 2022-11-15), and Created date (15/11/2022).
- Services:** Shows the Cloudant service with links to Open dashboard, Documentation, and API reference. There are buttons for "Connect existing services" and "Create service".
- Deployment Automation:** Lists the deployment automation configuration with Name (NodeREDZNLFD2022-11-15), Location (Dallas), and Tool integrations. It also shows Delivery Pipelines for ci-pipeline (Success) and pr-pipeline (No stages detected).
- Getting started quickly:** A sidebar with instructions for configuring the app, including connecting services, downloading code, and deploying the app.

Step 8: Design the application and deploy using IBM Watson IoT

The screenshot shows the Node-RED web interface in the browser. The main workspace displays a flow diagram with the following components:

- AbikaBoard:** A custom node at the start of the flow.
- msg.payload:** A message node that receives data from the AbikaBoard node.
- Function Node:** A node labeled "Read values in from IBM Watson and particular dev" that processes the data.
- Output Node:** A node that outputs the processed data.

The left sidebar shows the "common" and "function" node palettes. The right sidebar shows the "dashboard" configuration panel with tabs for Layout, Site, and Theme, and a "Tabs & Links" section listing "Abika" and "BME280 Sensor".