

NODE RED CREATION

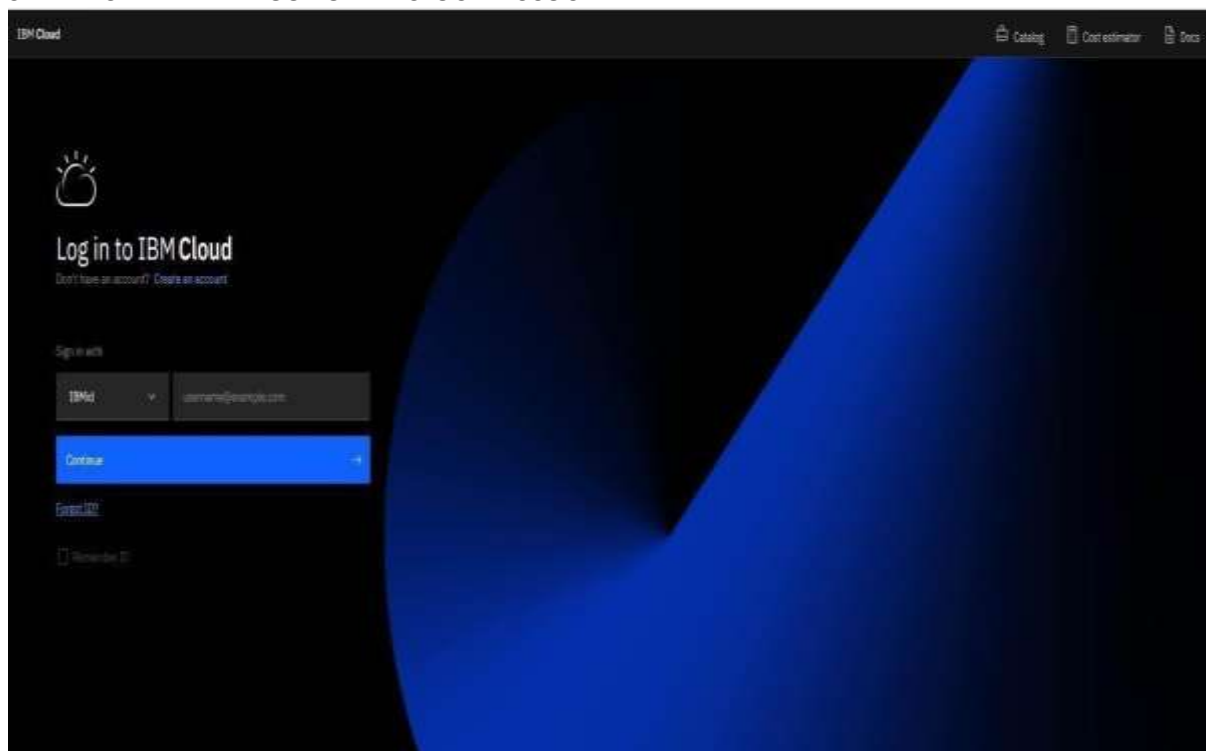
Date	07 NOVEMBER 2022
Team ID	PNT2022TMID02004
Project Name	SMART WASTE MANAGEMENT SYSTEM

AIM:

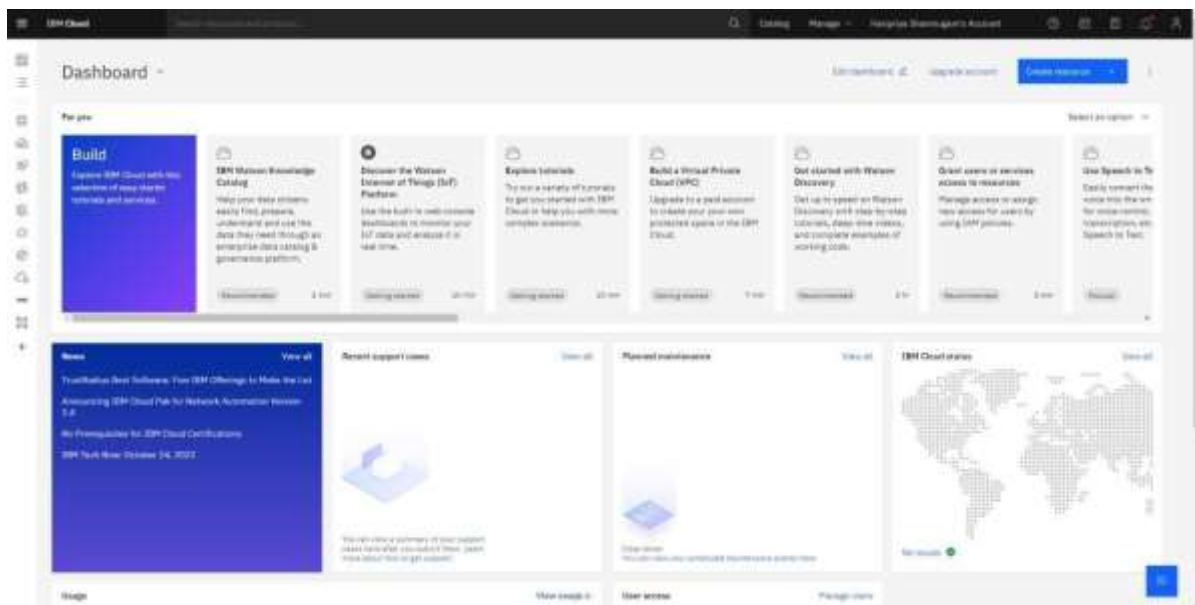
To create a Node-red service in our account and deploy the application.

STEPS:

STEP 1: CREATE AND GO TO IBM CLOUD ACCOUNT



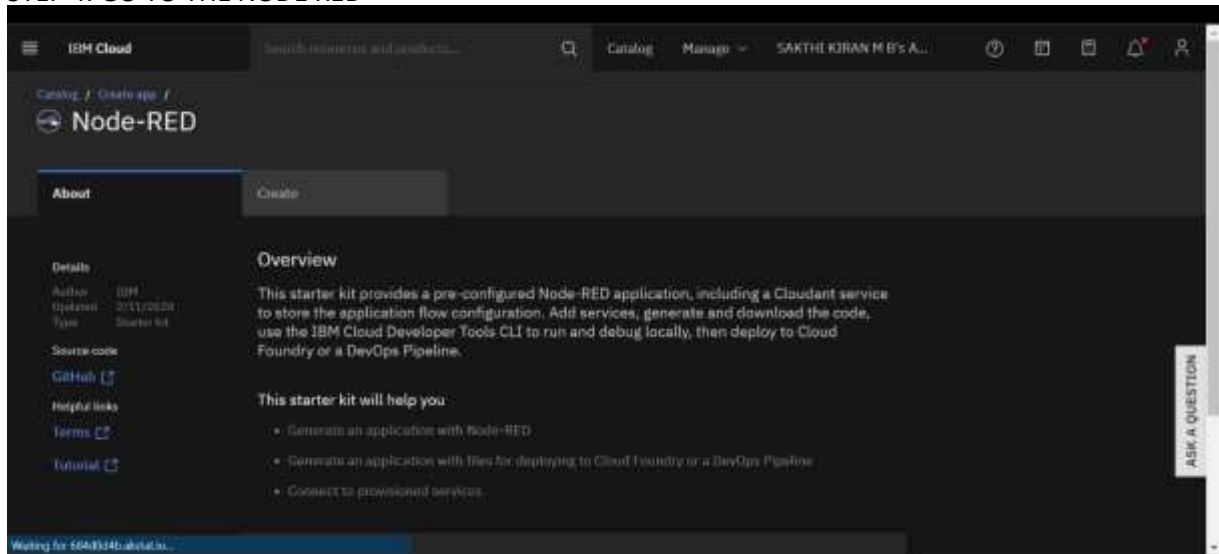
STEP 2: GO TO THE DASHBOARD AND VISIT THE CATALOG



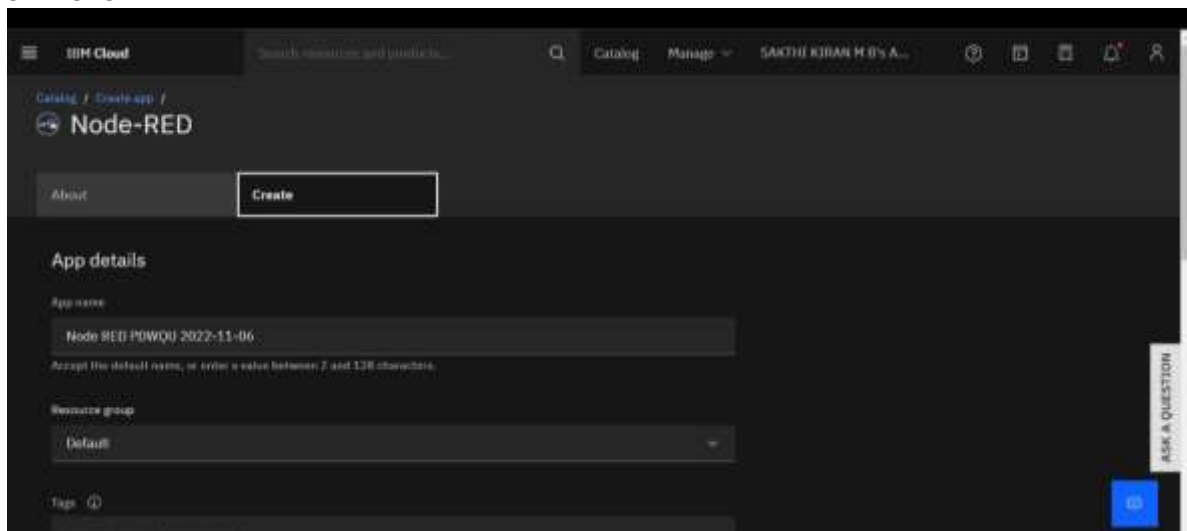
STEP 3: REACH THE INTERNET OF THINGS FOLDER



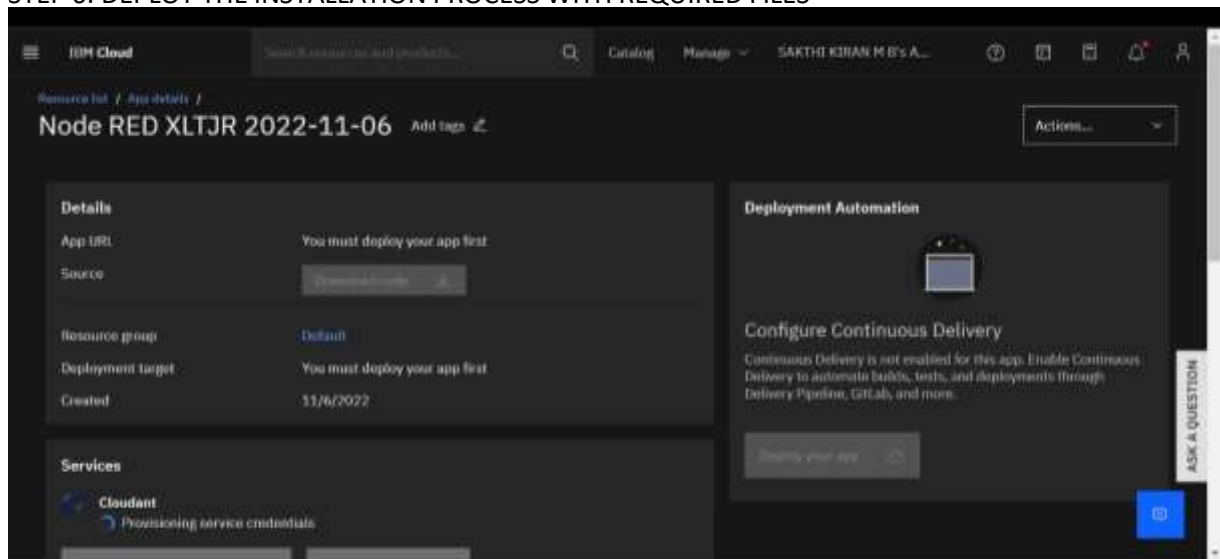
STEP 4: GO TO THE NODE RED



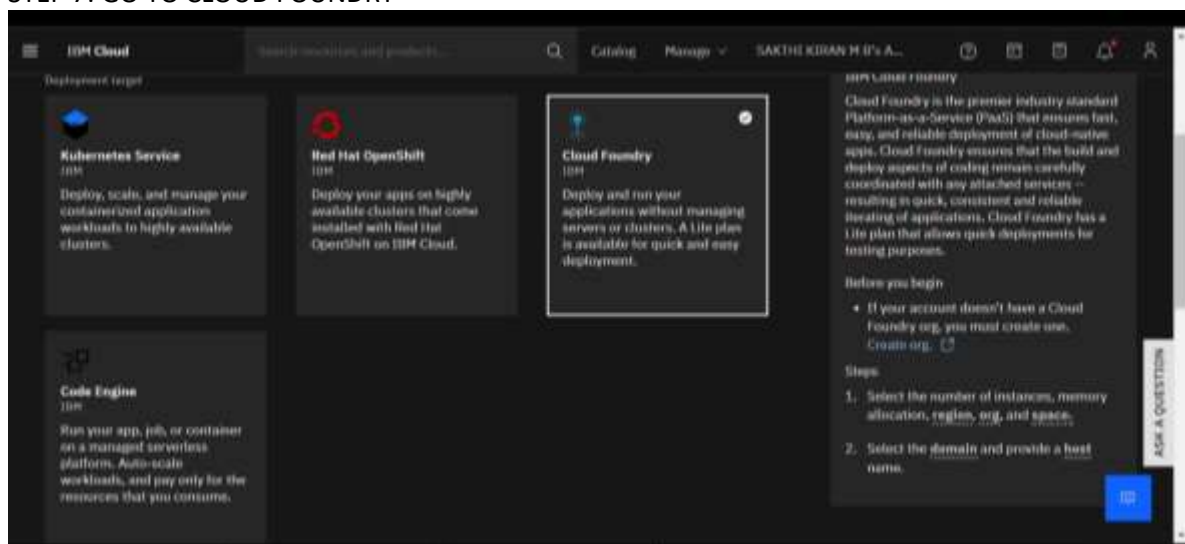
STEP 5: CREATE AN APP



STEP 6: DEPLOY THE INSTALLATION PROCESS WITH REQUIRED FILES



STEP 7: GO TO CLOUD FOUNDRY



STEP 8:DEPRECATE CLOUD FOUNDRY

The screenshot shows the IBM Cloud Foundry Public deprecation warning and the configuration form. The warning message states: "IBM Cloud Foundry Public is deprecated. Learn more". The configuration form includes fields for "IBM Cloud API key", "Number of instances" (set to 1), "Memory allocation per instance" (set to 2000 MB), "Region" (set to Dallas), "Organization" (set to Organization), and "Space" (set to Space). The "Organization" and "Space" fields are highlighted with red boxes and have a red error message: "The value is required.".

IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud API key

Number of instances

Memory allocation per instance

Region

Organization

Space

The value is required.

The value is required.

STEP 9: FILL THE DETAILS AND GO NEXT

The screenshot shows the IBM Cloud Foundry configuration form with details filled in. The "Region" is set to London, "Organization" is set to Sakthikiran_IBM, and "Space" is set to Sakthikiran_IBM. The "Host" is set to node-red-stijr-2022-11-06 and the "Domain" is set to eu-gb.mybluemix.net. The "Next" button is highlighted in blue.

IBM Cloud API key

Number of instances

Memory allocation per instance

Region

Organization

Space

Host

Domain

node-red-stijr-2022-11-06

eu-gb.mybluemix.net

Cancel

Next

STEP 10: RUN THE PIPELINE

The screenshot shows the IBM Cloud console interface for a resource named 'Node RED XLTJR 2022-11-06'. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area is divided into several sections:

- Details:** Contains fields for App URL, Source, Resource group, Deployment target, and Created date.
- Services:** Lists available services like Cloudant with links to Open dashboard, Documentation, and API reference.
- Deployment Automation:** Shows the Name, Location, and Tool integrations for the deployment.
- Delivery Pipelines:** Lists the Name and Status of the delivery pipelines.

A 'Run pipeline' button is located in the bottom right corner of the console.

STEP 11: CLICK ON THE LINK

The screenshot shows the 'ci-pipeline Dashboard' in the IBM Cloud console. The dashboard includes a sidebar with navigation links for PipelineRuns, Definitions, Worker, Triggers, Environment properties, and Other settings. The main content area displays a table of pipeline runs with the following columns: Status, Trigger, and Run. A 'Run pipeline' button is located in the top right corner.

Status	Trigger	Run
Running	Manual	81 Simple-based-pipeline-550e505a-d0c8-4473-b238-4d5c0e066b3

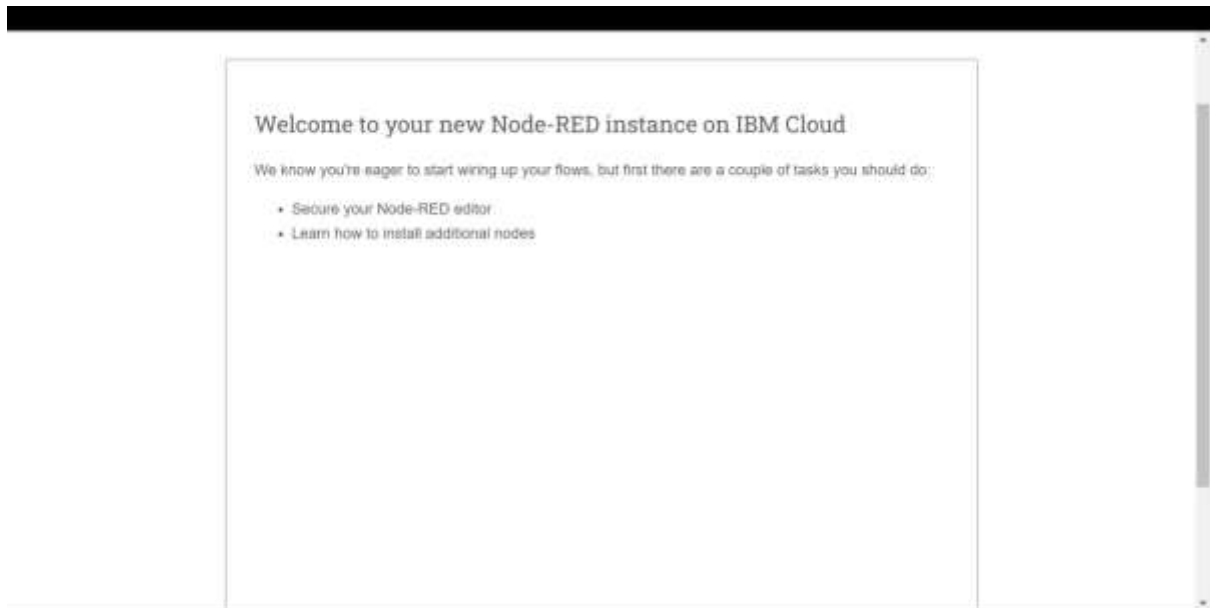
STEP 12: RUN THE EXTRACTION PROCESS

The screenshot shows the IBM Cloud DevOps console with a pipeline in a 'Running' state. The left sidebar lists 'Worker', 'Triggers', 'Environment properties', and 'Other settings'. The main area displays the pipeline's progress: 'Tasks Completed: 1 (Failed: 0, Cancelled 0), Incomplete: 5, Skipped: 0'. The duration is 42s. The trigger is '#1 Triggered by sakthikiran079@gmail.com manual-run Worker: IBM Managed workers in LONDON'. The task list on the left includes 'extract-repository-url', 'extract-value-jq', 'clone-task', 'code-risk-analyzer', 'build', 'rolling-deploy-task', and 'publish-deployable...'. The 'extract-value-jq' task is highlighted as 'Completed' with a duration of 0s. The 'Logs' tab shows the URL 'https://en-gb-01f.cloud.ibm.com/devops/pipelines/904034730322-11-06' and the message 'Step completed successfully'.

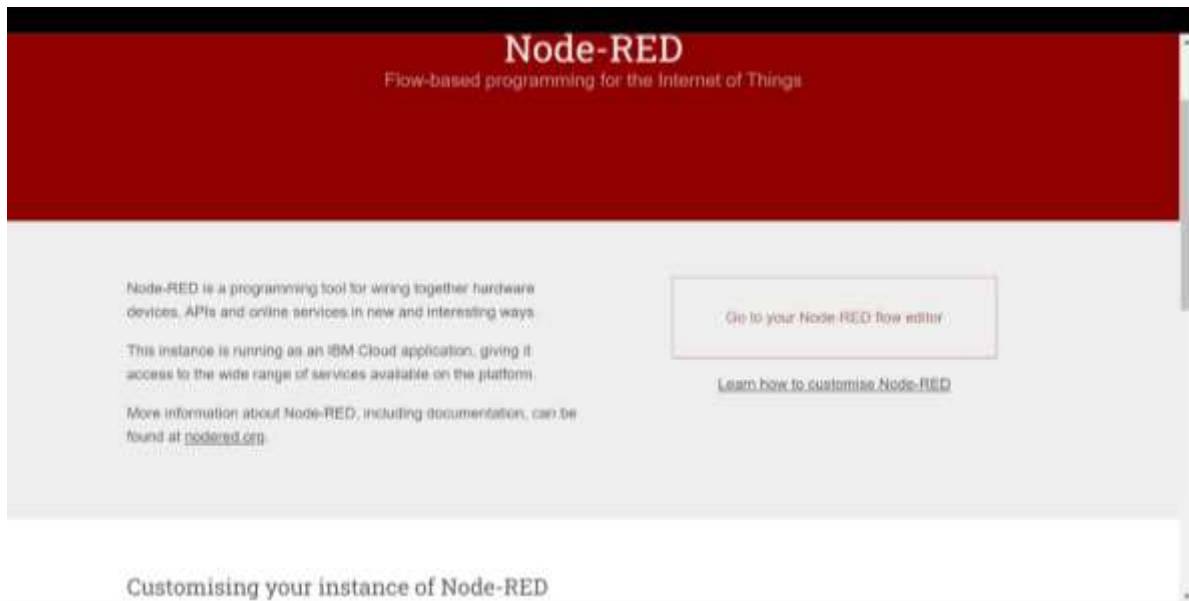
STEP 13: WAIT UNTIL ALL THE RESOURCES ARE INSTALLED

The screenshot shows the IBM Cloud DevOps console with a pipeline in a 'Succeeded' state. The left sidebar lists 'Definitions', 'Worker', 'Triggers', 'Environment properties', and 'Other settings'. The main area displays the pipeline's progress: 'Tasks Completed: 6 (Failed: 0, Cancelled 0), Skipped: 0'. The duration is 10m 28s. The trigger is '#1 Triggered by sakthikiran079@gmail.com manual-run Worker: IBM Managed workers in LONDON'. The task list on the left includes 'extract-repository-url', 'extract-value-jq', 'clone-task', 'code-risk-analyzer', 'build', 'rolling-deploy-task', and 'publish-deployable...'. The 'extract-value-jq' task is highlighted as 'Completed' with a duration of 0s. The 'Logs' tab shows the URL 'https://en-gb-01f.cloud.ibm.com/devops/pipelines/904034730322-11-06' and the message 'Step completed successfully'.

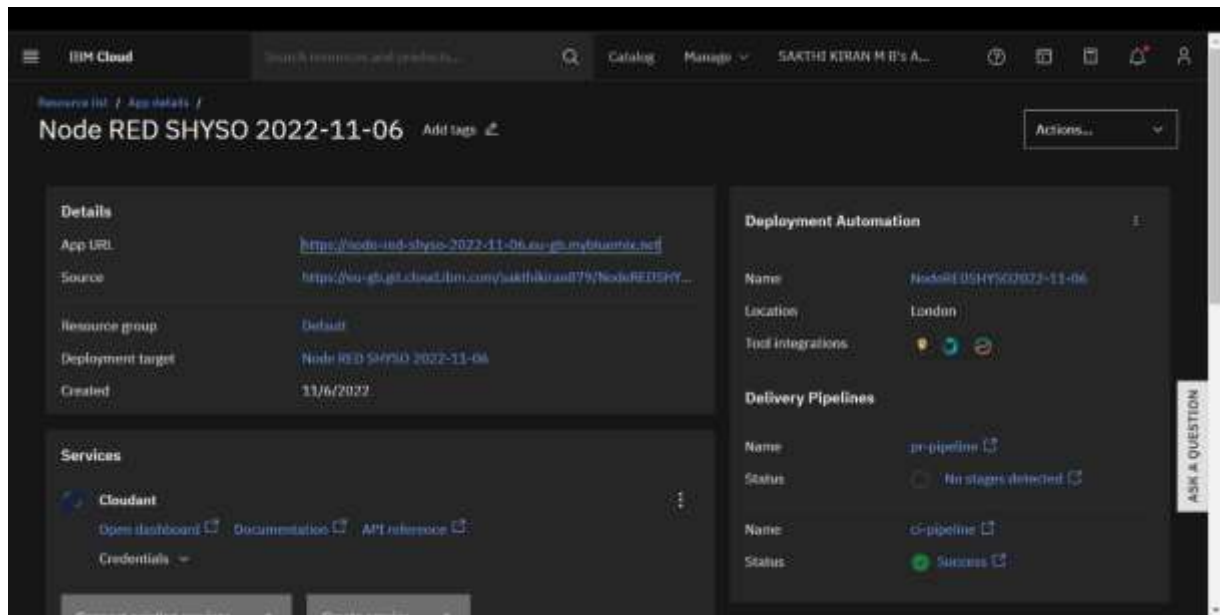
STEP 14: THE NODE RED IS CREATED



STEP 15: GO TO THE NODE RED EDITOR



STEP 16: CLICK ON THE URL LINK



STEP 17: THE APPLICATION IS READY TO BE CREATED



RESULT:

The Node Red is Service is thus created successfully.