

## NODE RED CREATION

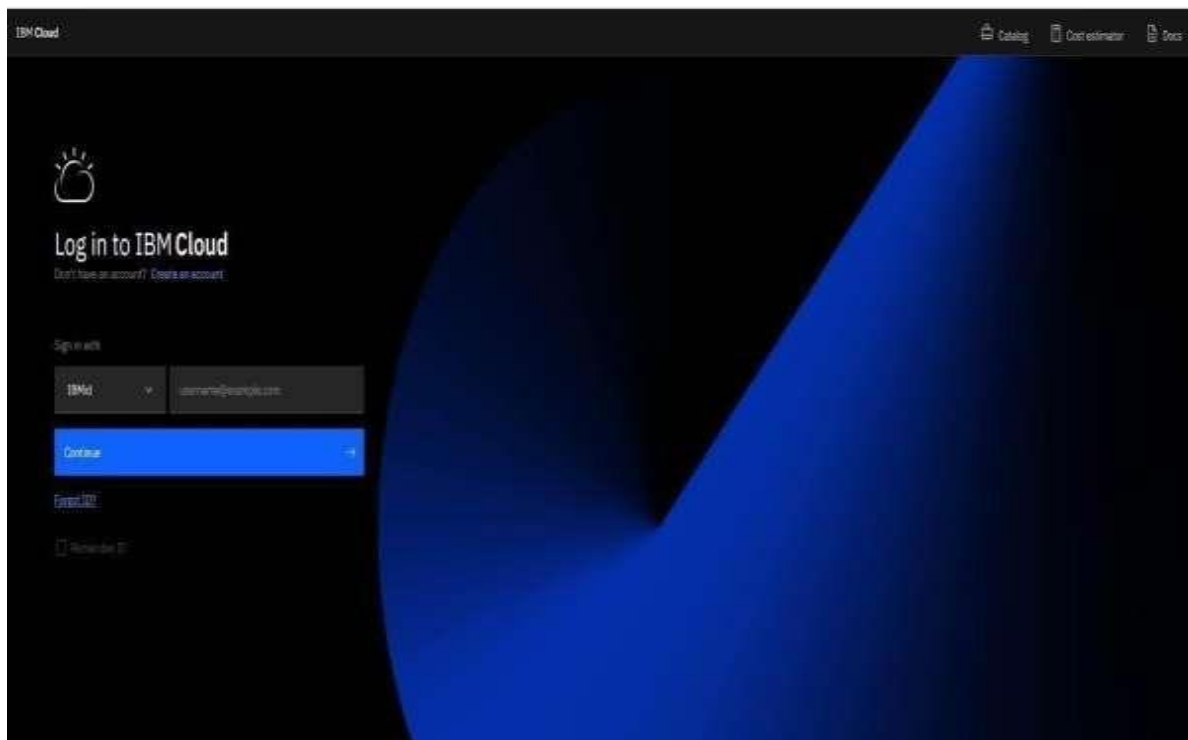
Date	07 NOVEMBER 2022
Team ID	B2-2M4E
Project Name	SMART WASTE MANAGEMENT SYSTEM

### AIM:

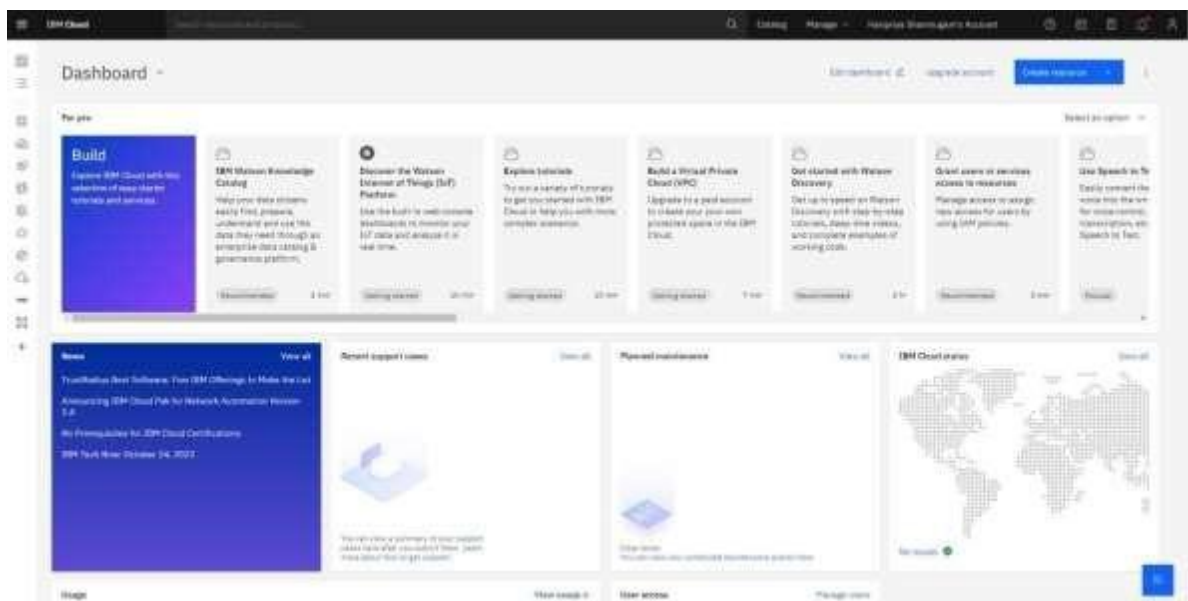
To create a Node-red service in our account and deploy the application.

### STEPS:

#### STEP 1: CREATE AND GO TO IBM CLOUD ACCOUNT



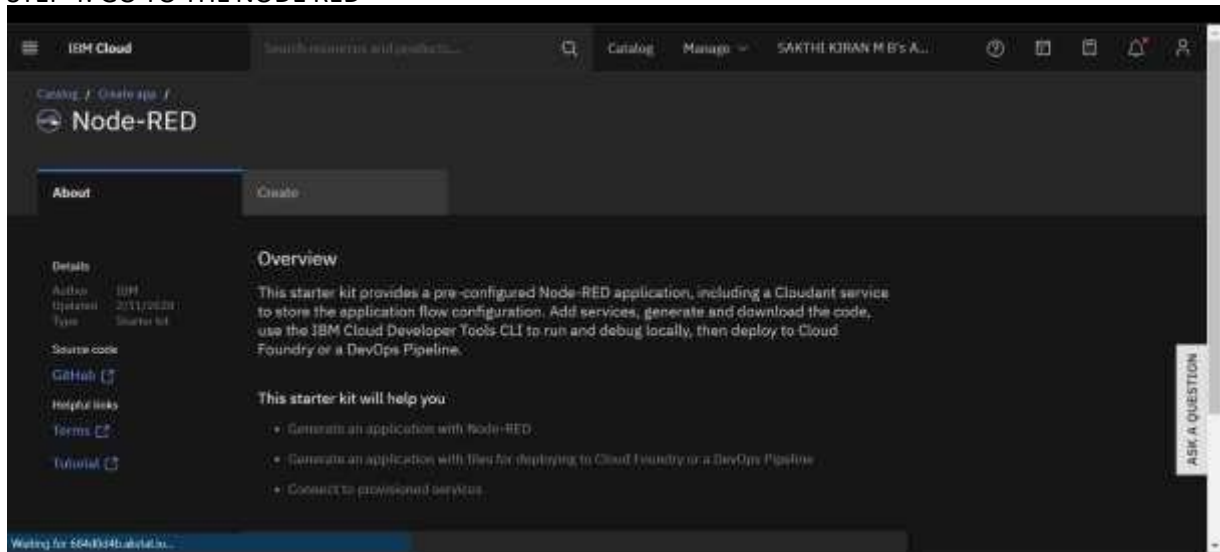
## STEP 2: GO TO THE DASHBOARD AND VISIT THE CATALOG



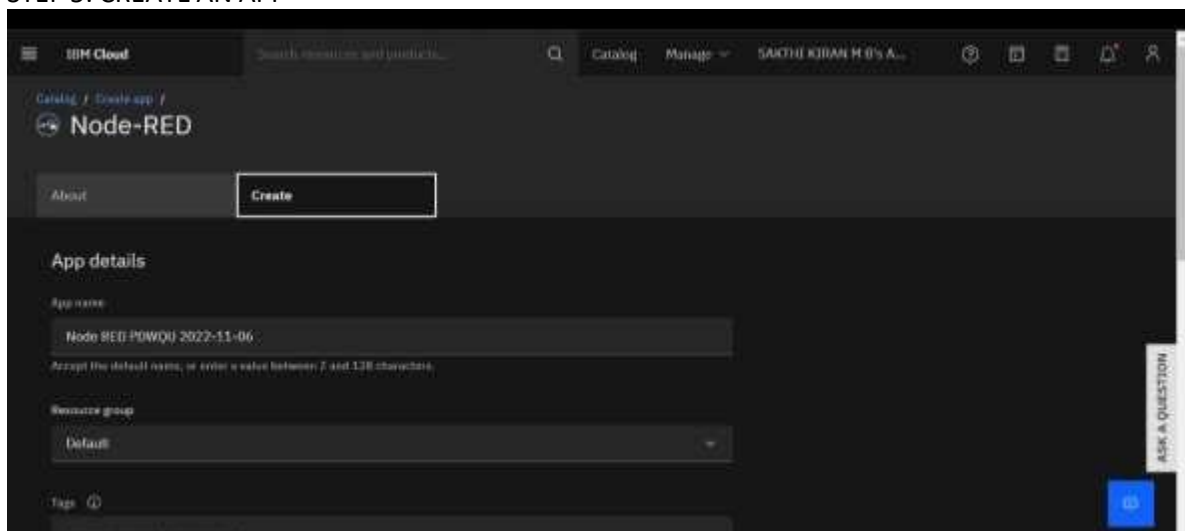
## STEP 3: REACH THE INTERNET OF THINGS FOLDER



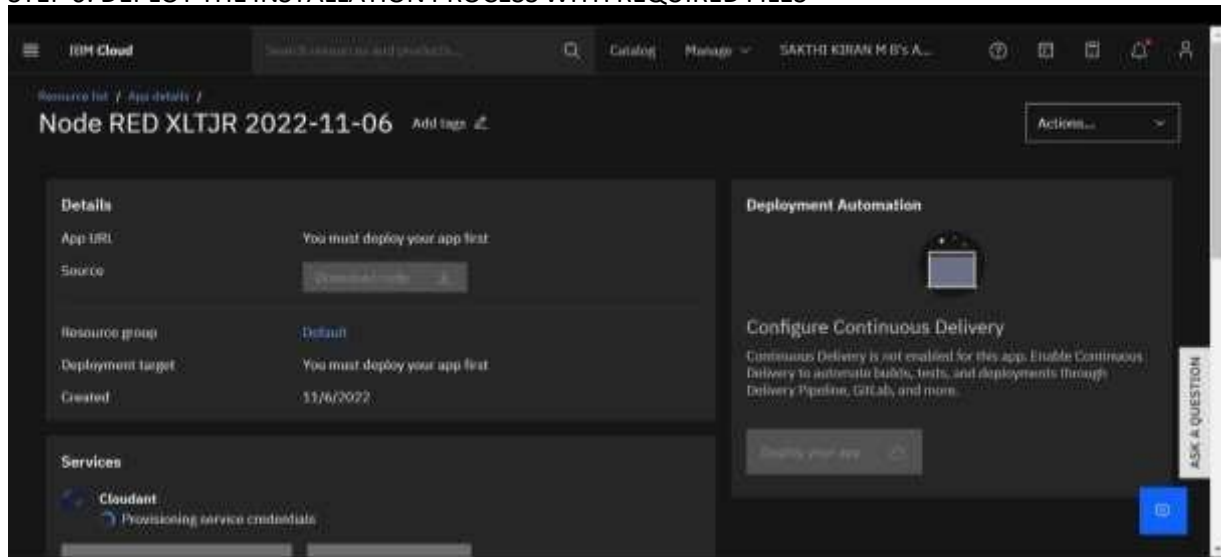
### STEP 4: GO TO THE NODE RED



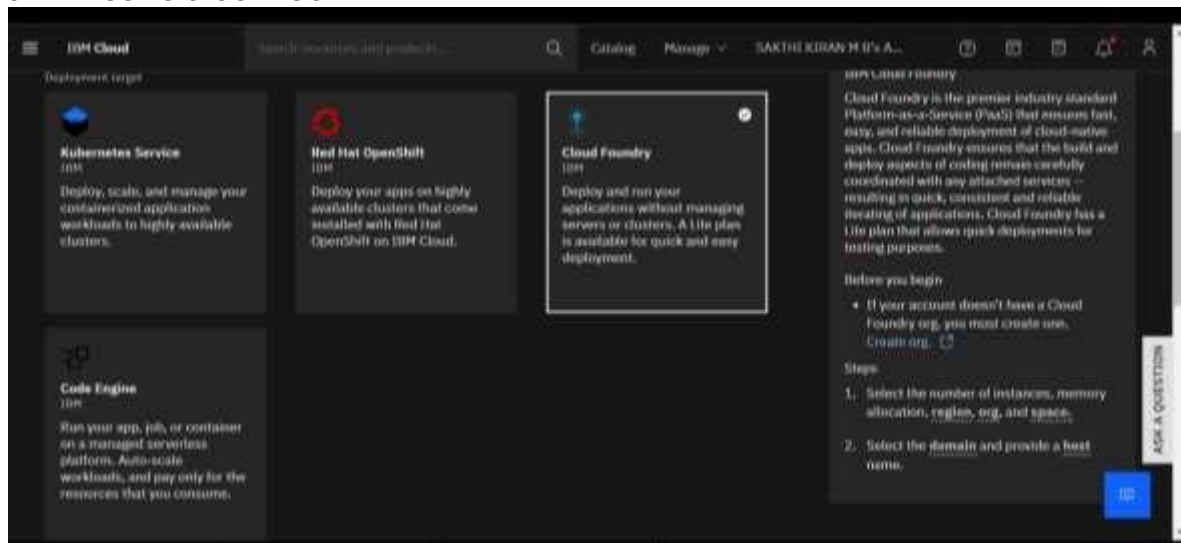
## STEP 5: CREATE AN APP



## 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 console. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user profile. A notification banner at the top states "IBM Cloud Foundry Public is deprecated." with a "Learn more" link. Below this, the "IBM Cloud API key" section shows a masked key and a "New" button. 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 "256" button. The "Region" is set to "Dallas". The "Organization" and "Space" dropdowns are highlighted with red boxes and show error messages: "The value is required." for both. A "Next" button is visible at the bottom right.

## STEP 9: FILL THE DETAILS AND GO NEXT

The screenshot shows the same IBM Cloud Foundry Public console, but with the details filled in. The "Region" is now "London". The "Organization" dropdown is set to "Sakthikiran IBM" and the "Space" dropdown is set to "Sakthikiran IBM". The "Host" field is filled with "onde-red-slip-2022-11-06" and the "Domain" dropdown is set to "eu-gb.mybluemix.net". The "Next" button is now highlighted in blue, and the "Cancel" button is visible at the bottom left. The "ASK A QUESTION" button is still present on the right side.

## STEP 10: RUN THE PIPELINE

The screenshot shows the IBM Cloud console for a resource named "Node RED XLTJR 2022-11-06". The interface is divided into several sections:

- Details:** Contains fields for App URL, Source, Resource group, Deployment target, and Created date. The App URL and Deployment target fields display a message: "You must deploy your app first".
- Services:** Lists the "Cloudant" service with links to "Open dashboard", "Documentation", and "API reference", and a "Credentials" link.
- Deployment Automation:** Shows the Name "NodeRED01382022-11-06", Location "London", and Tool integrations. It also lists two delivery pipelines: "ci-pipeline" and "pr-pipeline", both with a status of "No stages detected".

A "Run pipeline" button is visible in the top right corner of the console.

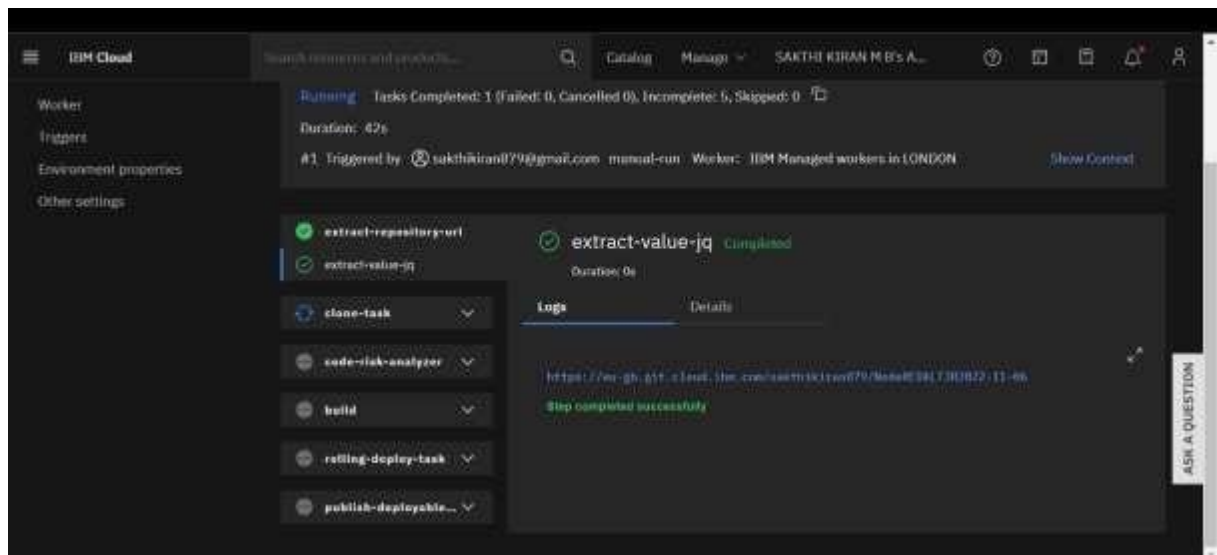
## STEP 11: CLICK ON THE LINK

The screenshot shows the "ci-pipeline Dashboard" in the IBM Cloud console. The dashboard includes a sidebar with navigation links: "PipelineRuns", "Definitions", "Worker", "Triggers", "Environment properties", and "Other settings".

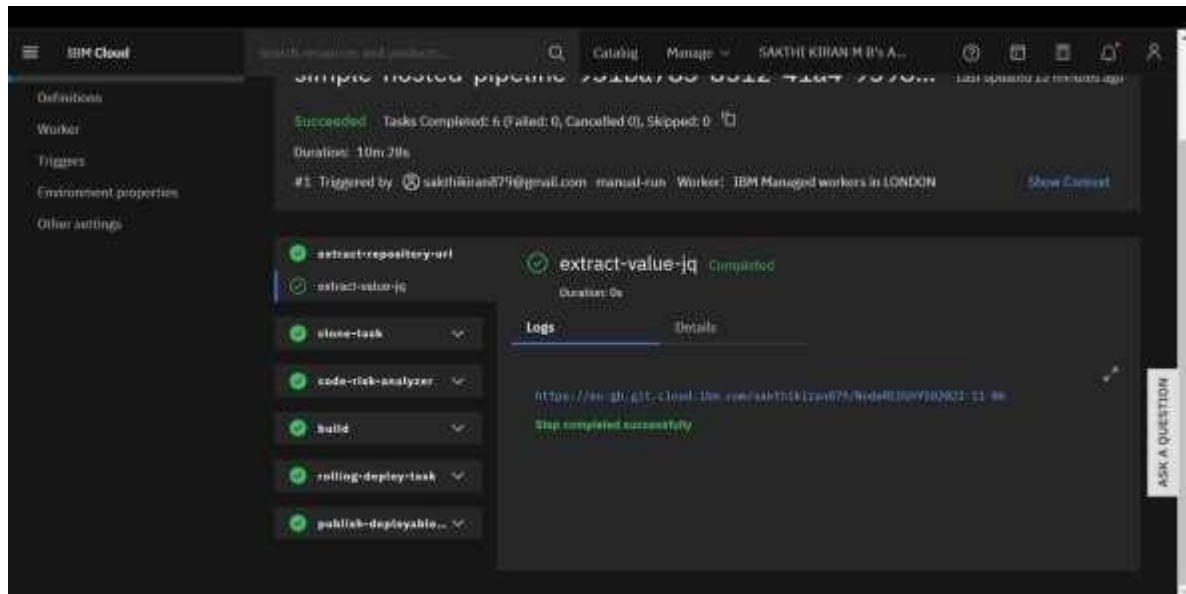
The main content area displays a table of pipeline runs with the following columns: "Run", "Status", and "Time". The table shows one run with the ID "a1-simple-based-pipeline-550a505a-d0c8-4470-b230-4ed50c066b3" in a "Running" status, starting at "Nov 4, 3:15 PM".

At the bottom of the table, there is a "Items per page" dropdown set to "25" and a "Page 1" indicator.

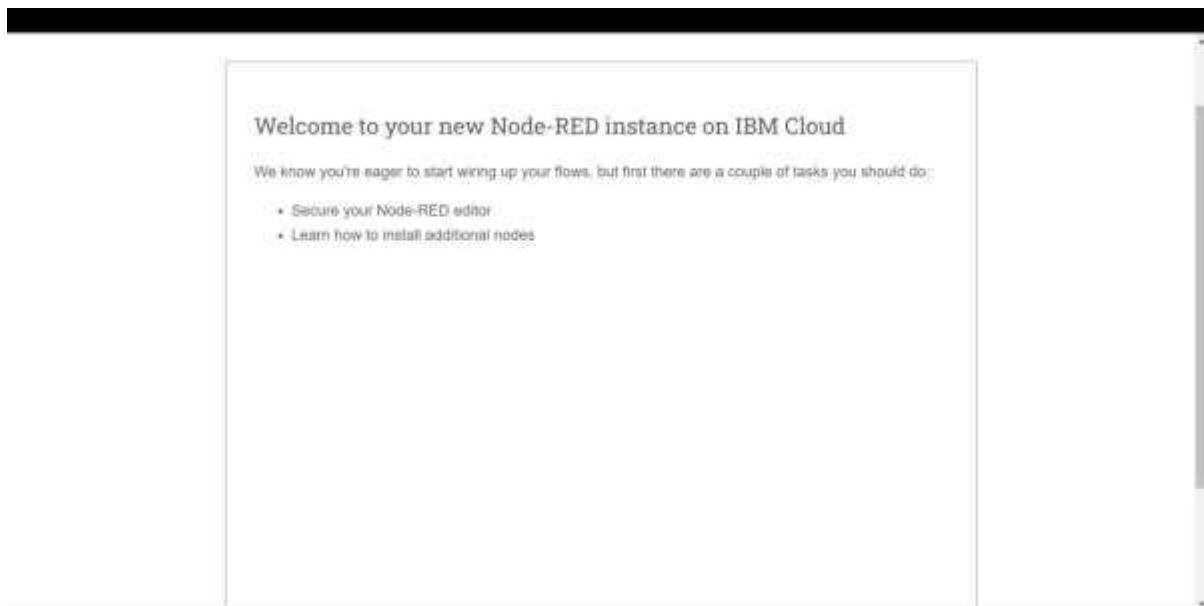
## STEP 12: RUN THE EXTRACTION PROCESS



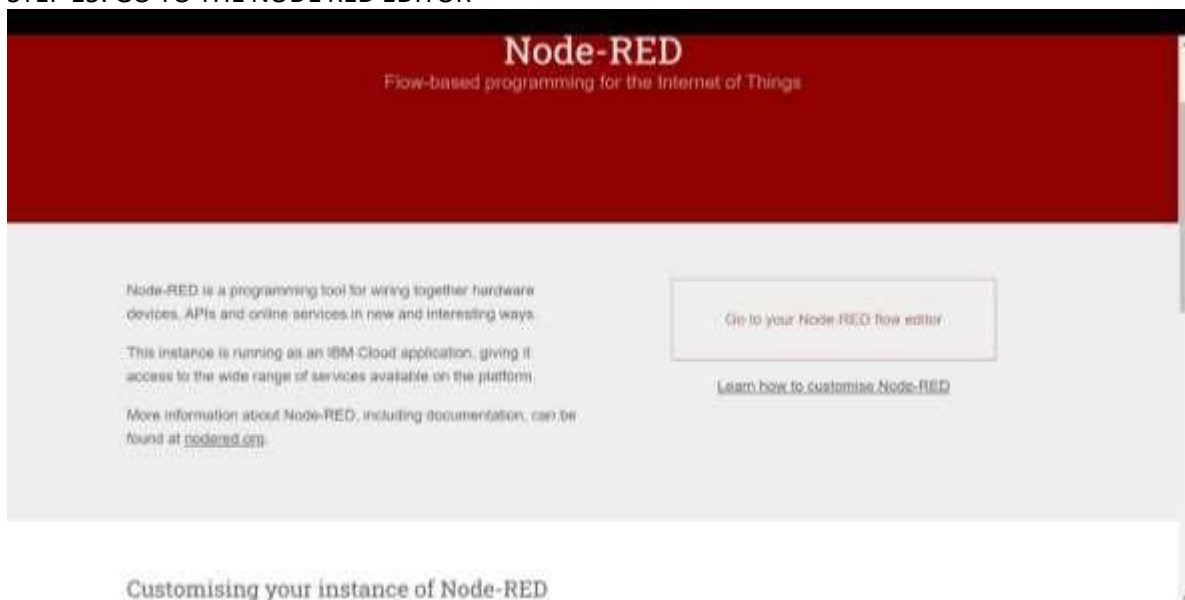
## STEP 13: WAIT UNTIL ALL THE RESOURCES ARE INSTALLED



## STEP 14: THE NODE RED IS CREATED

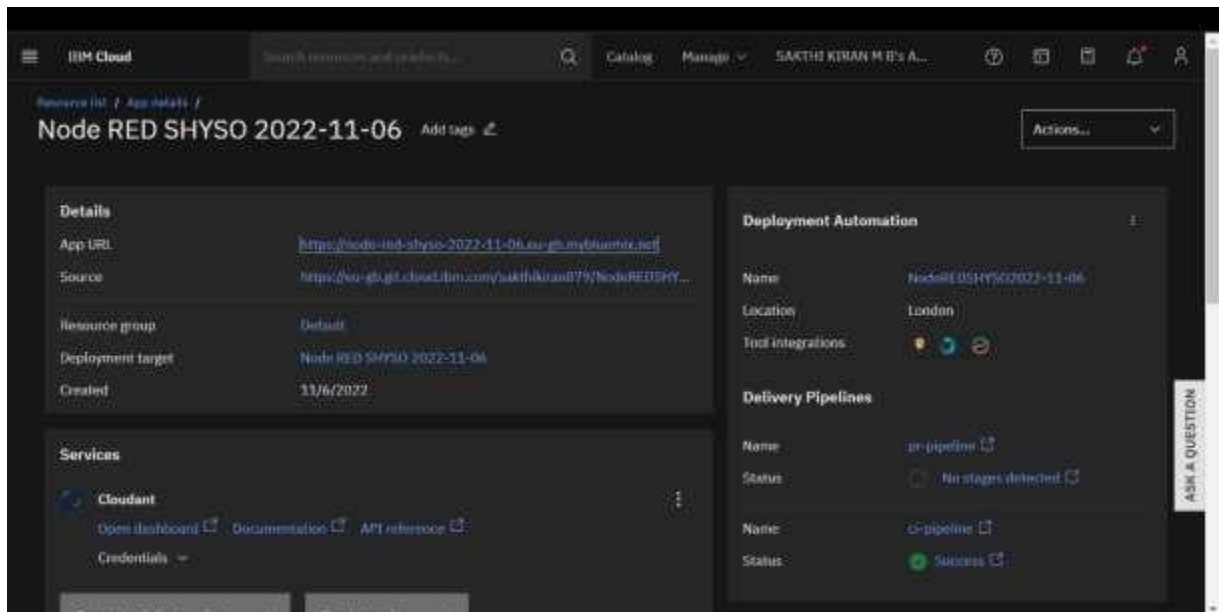


## STEP 15: GO TO THE NODE RED EDITOR





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.