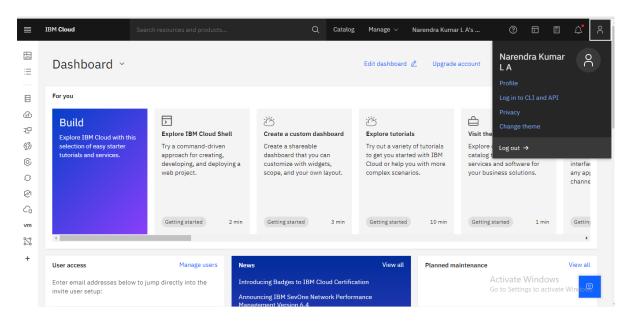
Create and Configure Node-Red service

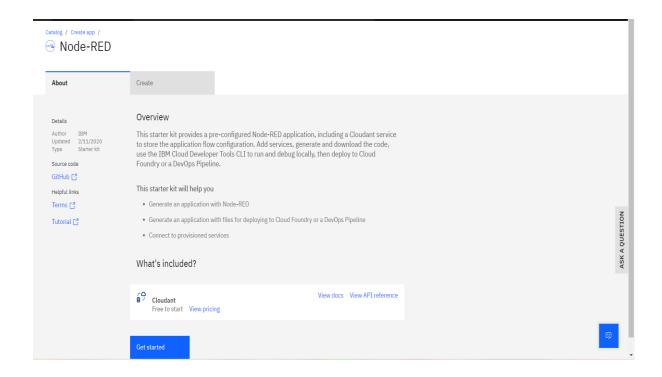
Date	05 November 2022
Team ID	PNT2022TMID33708
Project Name	SMART SOLUTIONS FOR RAILWAYS

CREATING NODE-RED IN IBM CLOUD

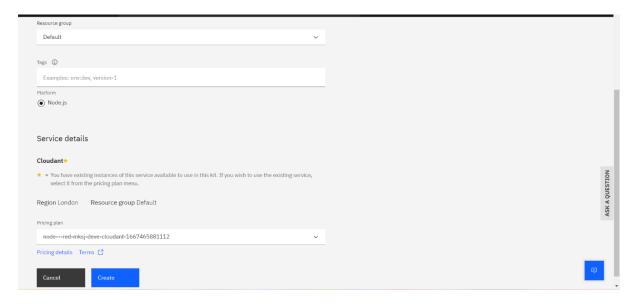
STEP 1: Open ibm cloud:



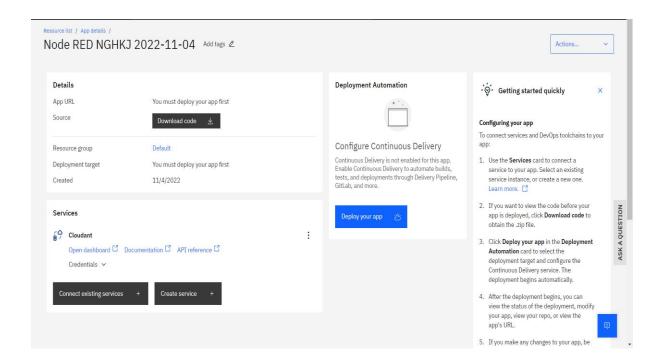
STEP 2: Go to catalog and search for node red app and open it:



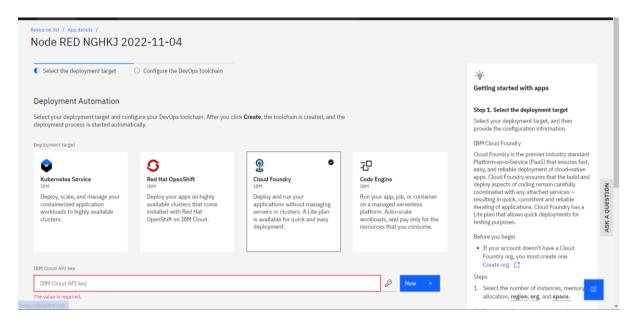
STEP 3: Enter the app name, location and select the plan and click on create.:



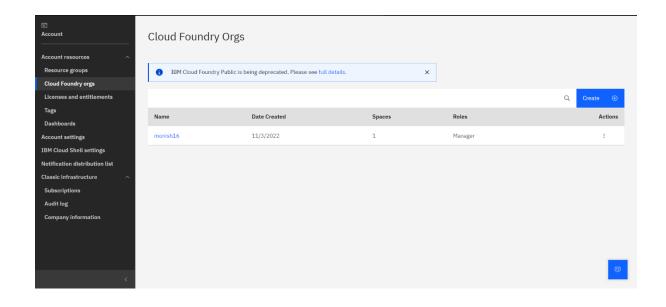
STEP 4: click on deploy your app button:



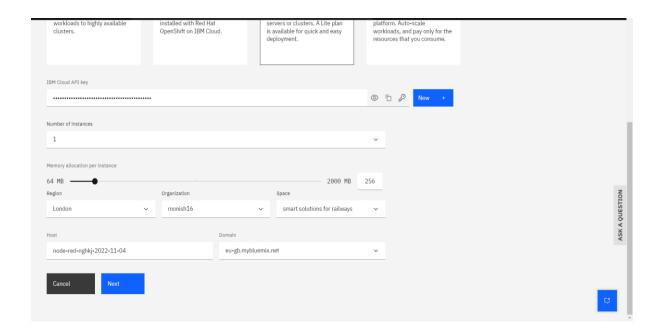
STEP 5: In deployment automation select cloud foundry and click on create.org:



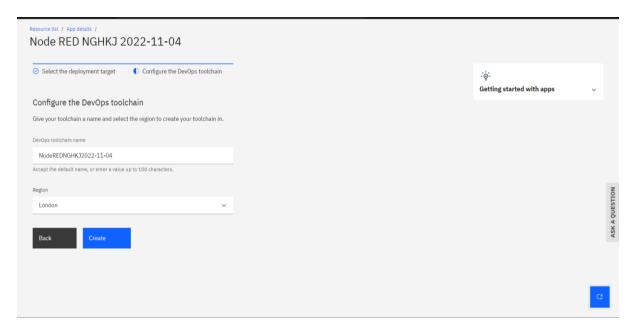
STEP 6: click on create button and enter the name and create a space:



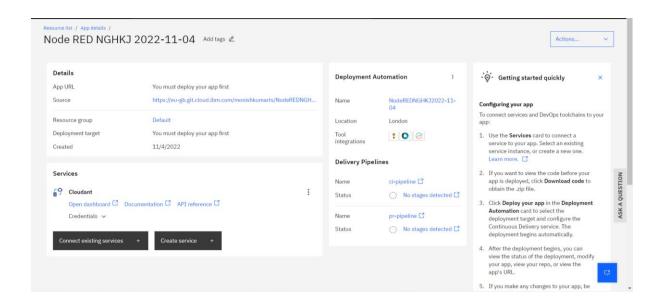
STEP 7: In app development click new on api key and select region and click next:



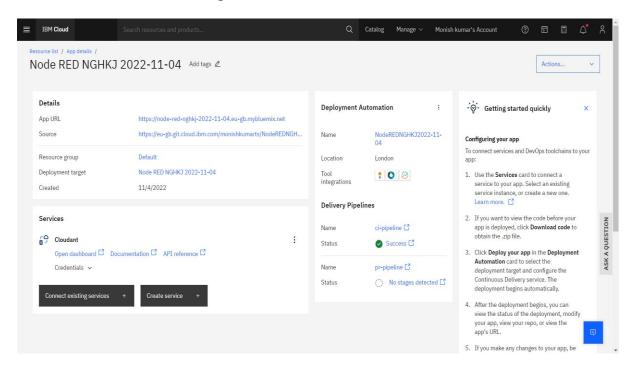
STEP 8: select the region and click create:



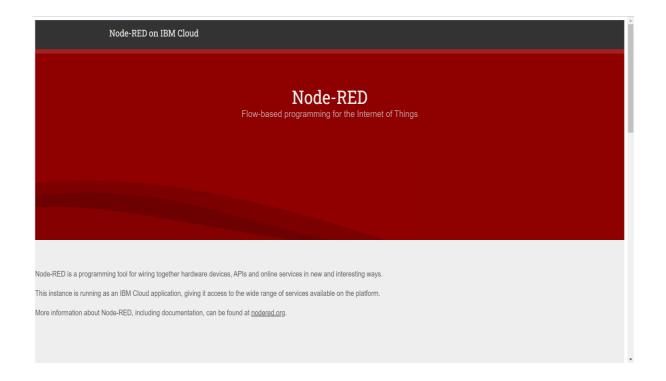
STEP 9: Wait till you get the success in ci-pipeline and app URL is generated:



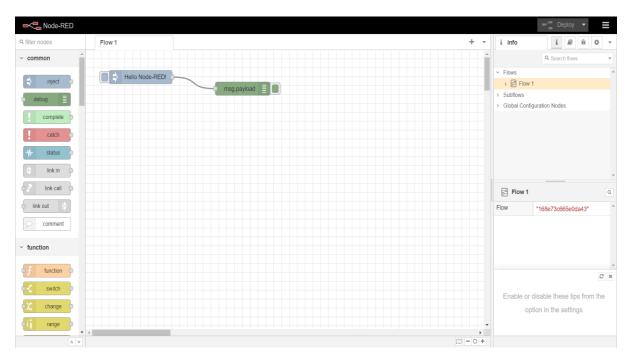
STEP 10: Now click on the generated APP URL:



STEP 11: You will redirected to your node-red on ibm cloud page:

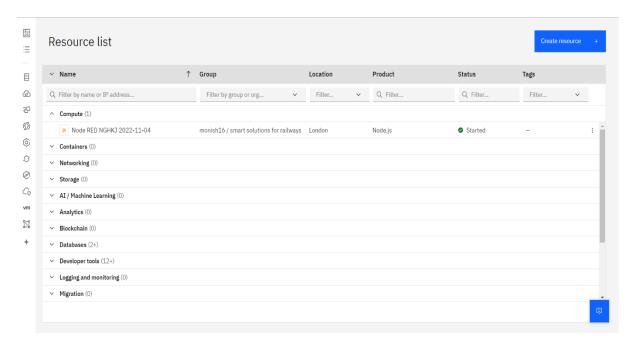


STEP 12: Click on node-red flow editor and you will be redirected to your node-red workspace:

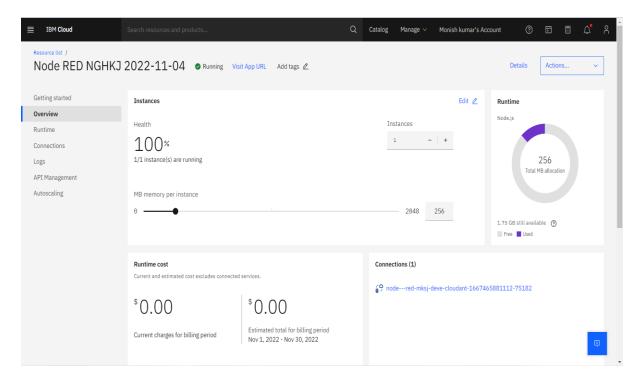


DIRECTING TO CREATED NODE-RED WORKSPACE

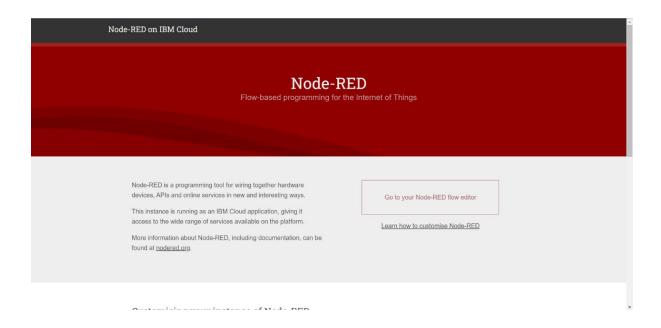
STEP 13: In resource select compute and click on node-red:



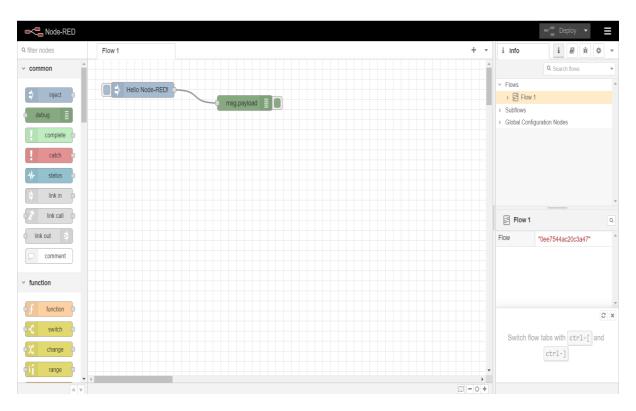
STEP 14: click on visit app url to be redirected to node red:



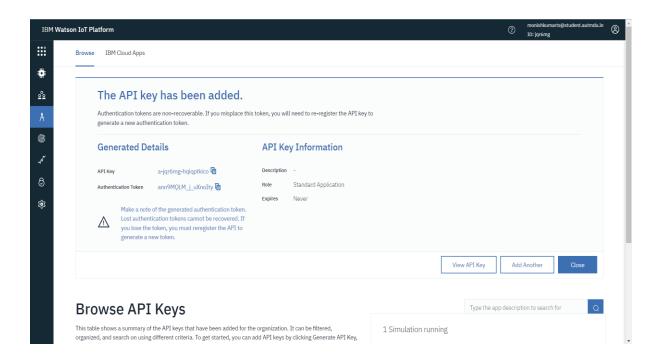
STEP 15: Click on go to your NODE-RED flow editor button:



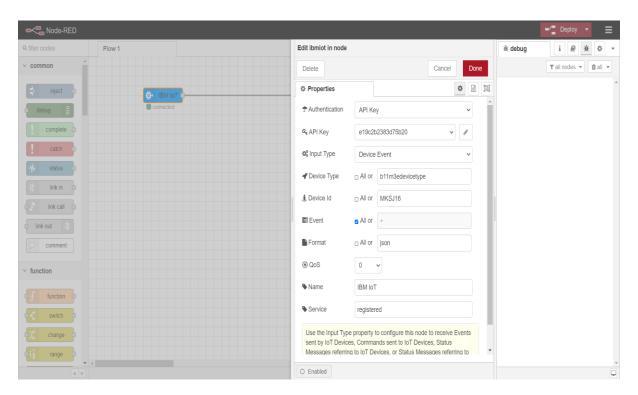
STEP 16: You will be redirected to the node red flow editor:



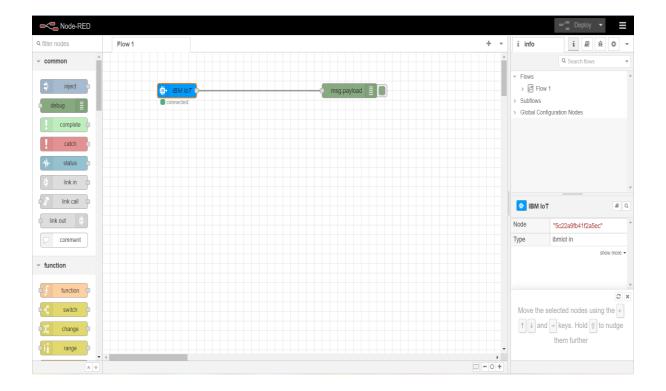
STEP 17: Generating API key and Authentication token:



STEP 18: Edit Ibmiot in node:



STEP 19: Connect Ibmiot in and debug 1 and deploy:



STEP 20: Edit gauge node (the gauge nodes named as latitude,longitude and available_seats as fig1,fig2,fig3):

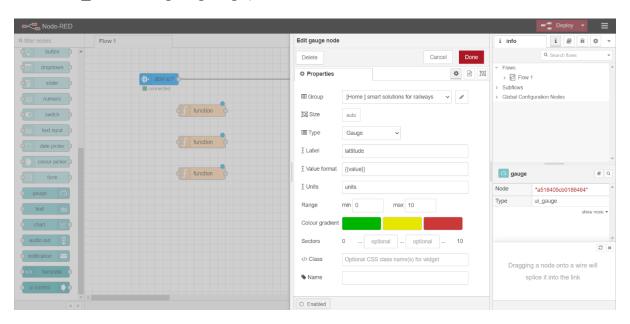


FIG 1

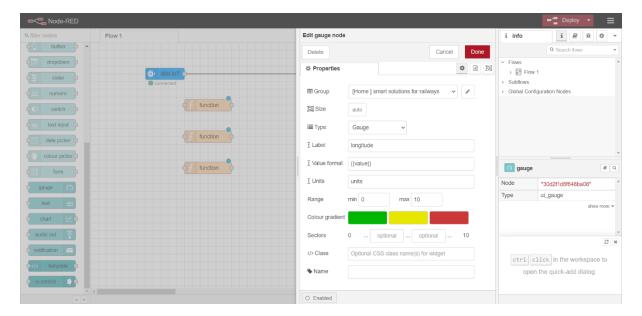


FIG 2

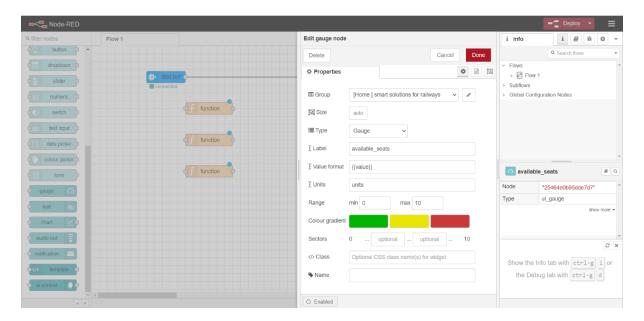


FIG 3

STEP 21: Generate debug message from IBM Watson IoT Platform and connect the nodes:

