Create Node-RED Service
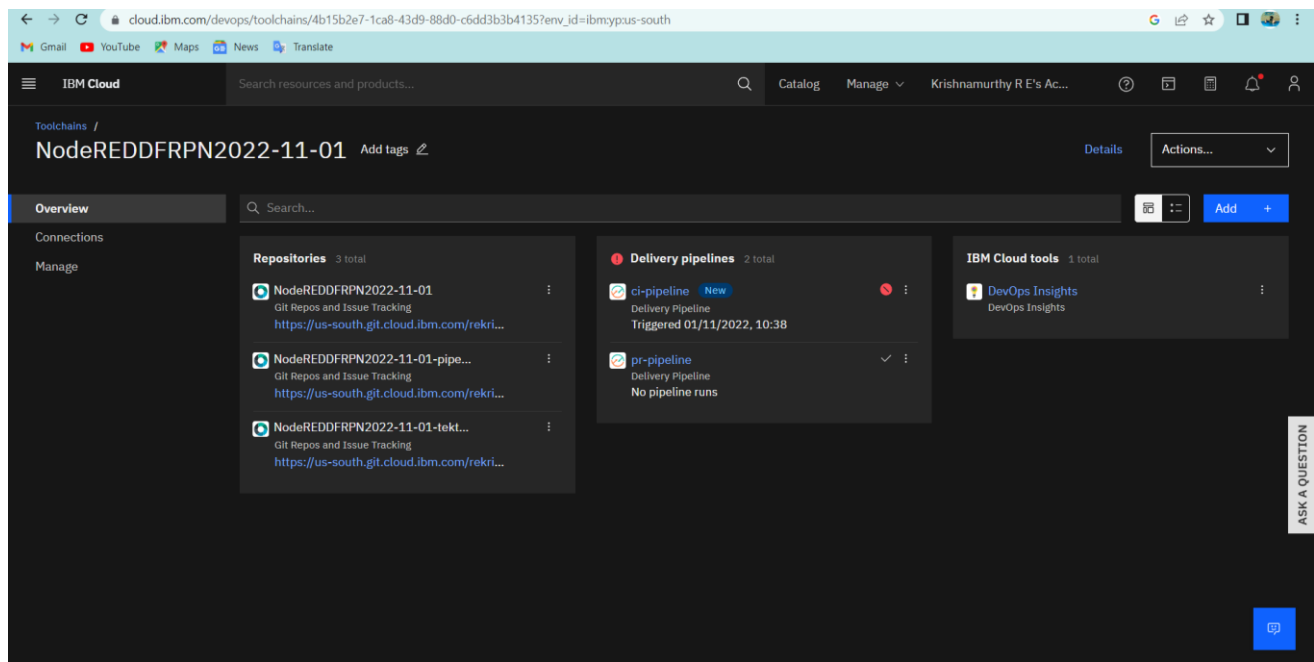
Date	09 NOVEMBER 2022
Team ID	PNT2022TMID28556
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Aim:

To create a web application, create a Node-RED service.

Steps to be followed

Step 1: Navigated to the App creation page.

Step 2: Entered project details and clicked on create

Step 3: Clicking on the "Deploy your App" Button.

containerized application
workloads to highly available
clusters.

installed with Red Hat
OpenShift on IBM Cloud.

applications without managing
servers or clusters. A Lite plan
is available for quick and easy
deployment.

platform. Auto-scale
workloads, and pay only for the
resources that you consume.

Before you begin

- One free Kubernetes cluster is available per account.

- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. Create cluster. ⬈

IBM Cloud API key

FhdC4fBEJ2BmkDNIrnmQjt3ITDLd4n9UUvu4iZk9euyD   New   +

Steps

1. Create an IBM Cloud API key, or select an existing one from a secrets store.

2. Select the container registry region.

Container registry region

Dallas

Container registry namespace

Container registry namespace

3. Enter the container registry namespace if it is not already completed.

4. Select the region where your Kubernetes cluster is located.

Cluster region

Frankfurt

Cluster resource group

Default

Cluster namespace

default

Cluster name

mycluster-free

5. Select the resource group, cluster namespace, and the cluster name.

6. The deployment type of Helm is selected for you.

Deployment type

HELM Helm   ✓

7. Click **Next**.

Cancel   Next

Toolchains / NodeREDDFRPN2022-11-01 / ci-pipeline /

ci-pipeline PipelineRun

Run Context   ✕

PipelineRuns

Definitions

Worker

Triggers

Environment properties

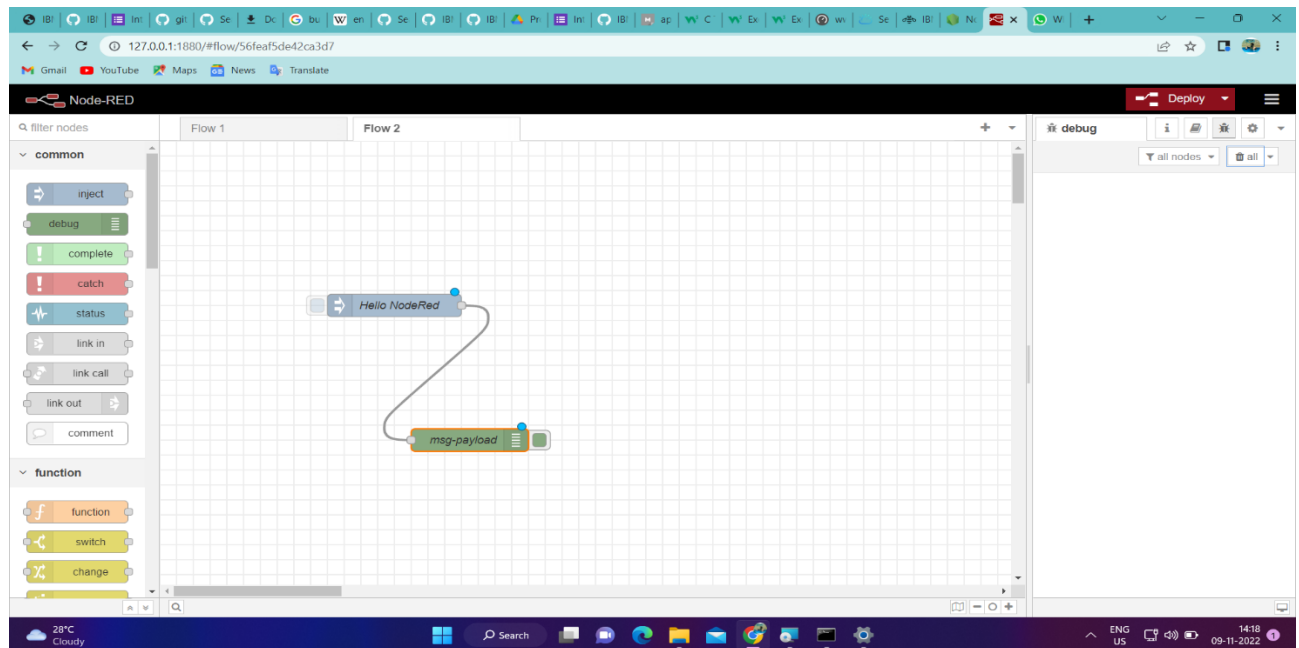Other settings

simple

Duration: 8

#2 Trigger

| Environment Pro... | Event Payload |

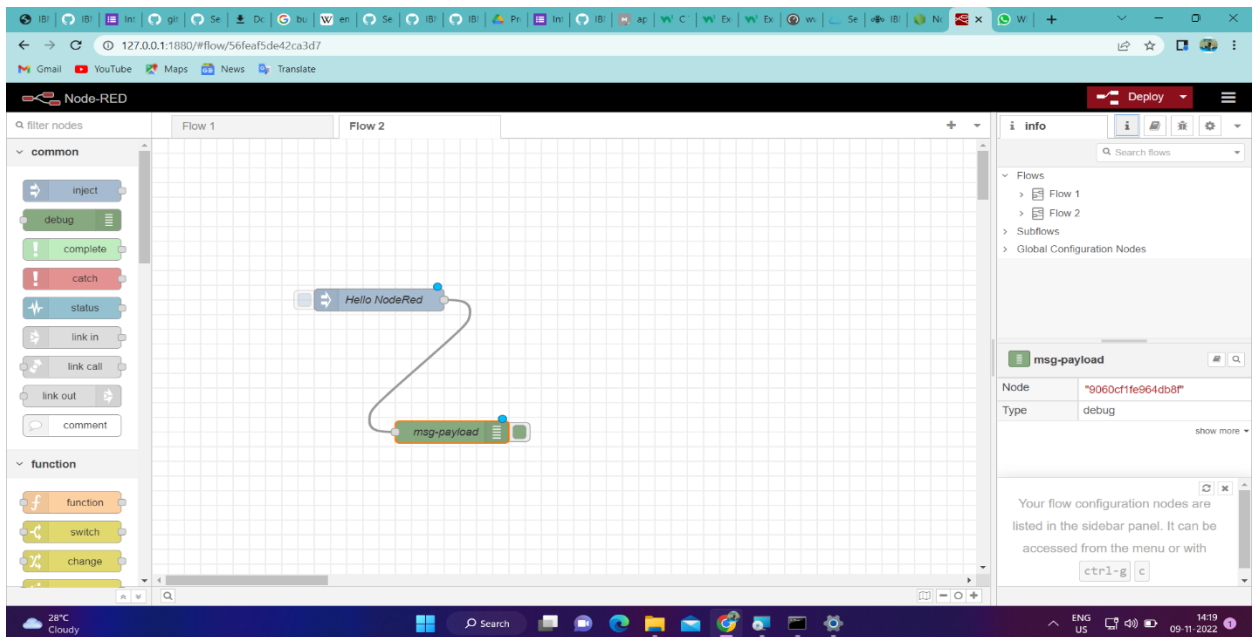| Name	Value
branch	master
apikey	**********
app-name	nodereddfrpn20221101
cluster-name	mycluster-free
commons-hosted-region	https://us-south.git.cloud.ibm.com/open-toolchain/commons/-/raw/main
dev-cluster-namespace	default
dev-region	ibm:yp:eu-de
dev-resource-group	Default
git-token	**********
ibmcloud-api	https://cloud.ibm.com
image-name	nodereddfrpn20221101
registry-namespace	test
registry-region	ibm:yp:us-south
toolchain-apikey	**********

Step 4: Setting up the environment and deploying the app.

Step 5: Dragged and dropped components into the editor

Step 6: Editing some values of the properties.

Step 7: Successfully deployed the app.

Result:

      Successfully created a Node RED service on IBM Cloud.