

CREATE NODE-RED SERVICE

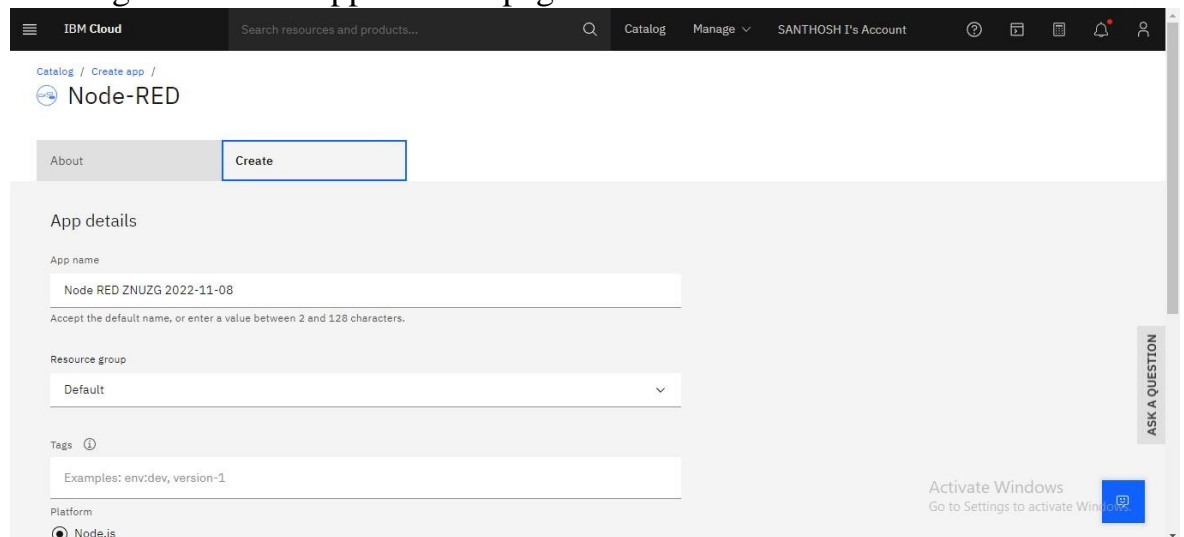
Team ID: PNT2022TMID51110

Aim:

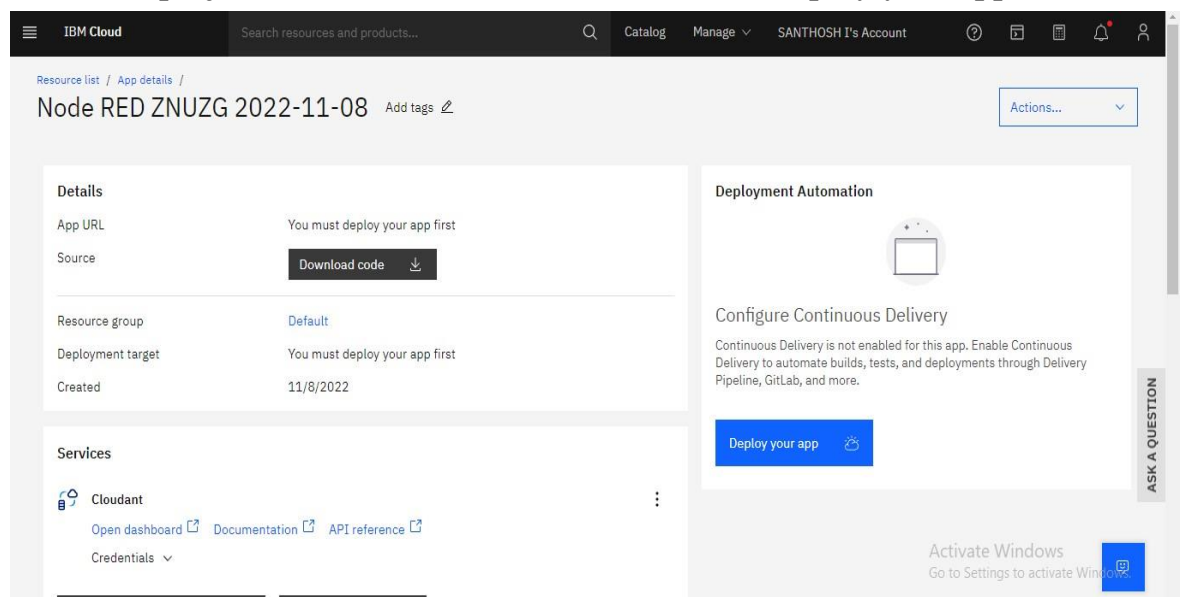
To create a web application create a Node-RED service.

Step followed:

➤ Navigated to the App creation page



➤ Entered project details and clicked on create and Deploy your app



➤ After this move towards the cloud Factory

IBM Cloud

Select the deployment target

Configure the DevOps toolchain

Deployment Automation

Select your deployment target and configure your DevOps toolchain. After you click **Create**, the toolchain is created, and the deployment process is started automatically.

Deployment target

Kubernetes Service
IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.

Red Hat OpenShift
IBM
Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.

Cloud Foundry
IBM
Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.

Code Engine
IBM

Getting started with apps

Step 1. Select the deployment target

Select your deployment target, and then provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services – resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one.
[Create org.](#)

Steps

1. Select the number of instances, memory allocation, **region**, **org**, and **space**.

➤ Setting up the environment and deploying the app

IBM Cloud

Search resources and products...

IBM Cloud API key

Number of instances

Memory allocation per instance

Region

Organization

Space

Host

Domain

Cancel

Next

Activate Windows
Go to Settings to activate Windows.

➤ Pipeline Succeeded and Running

IBM Cloud

Search resources and products...

Toolchains / NodeREDZNUZ2022-11-08 /

ci-pipeline Dashboard

Run pipeline

PipelineRuns

Status: All

Trigger: All

Run

	Status
#1 simple-hosted-pipeline-885c98d4-bd83-489a-aac8-48b41a305a10 Manual manual-run	Running

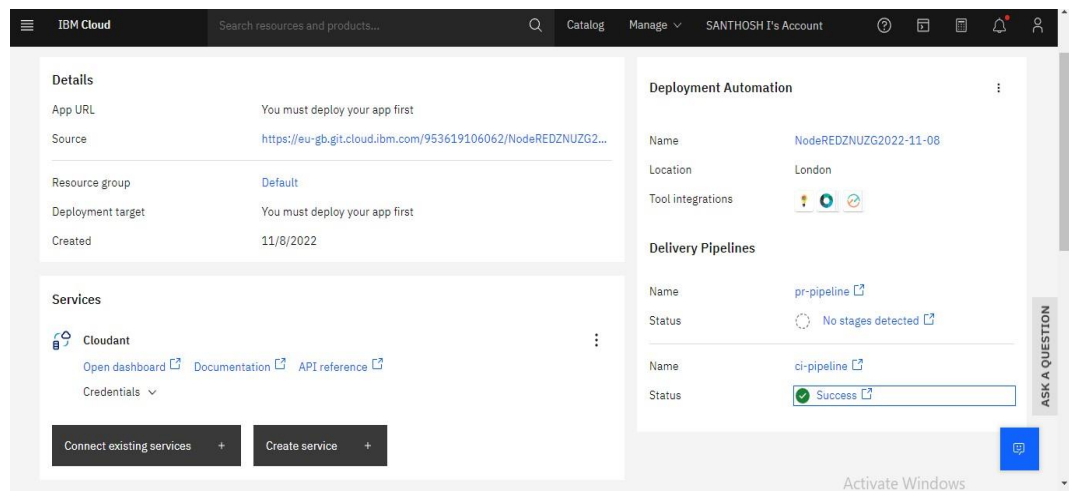
Items per page: 25

1 - 1 Items

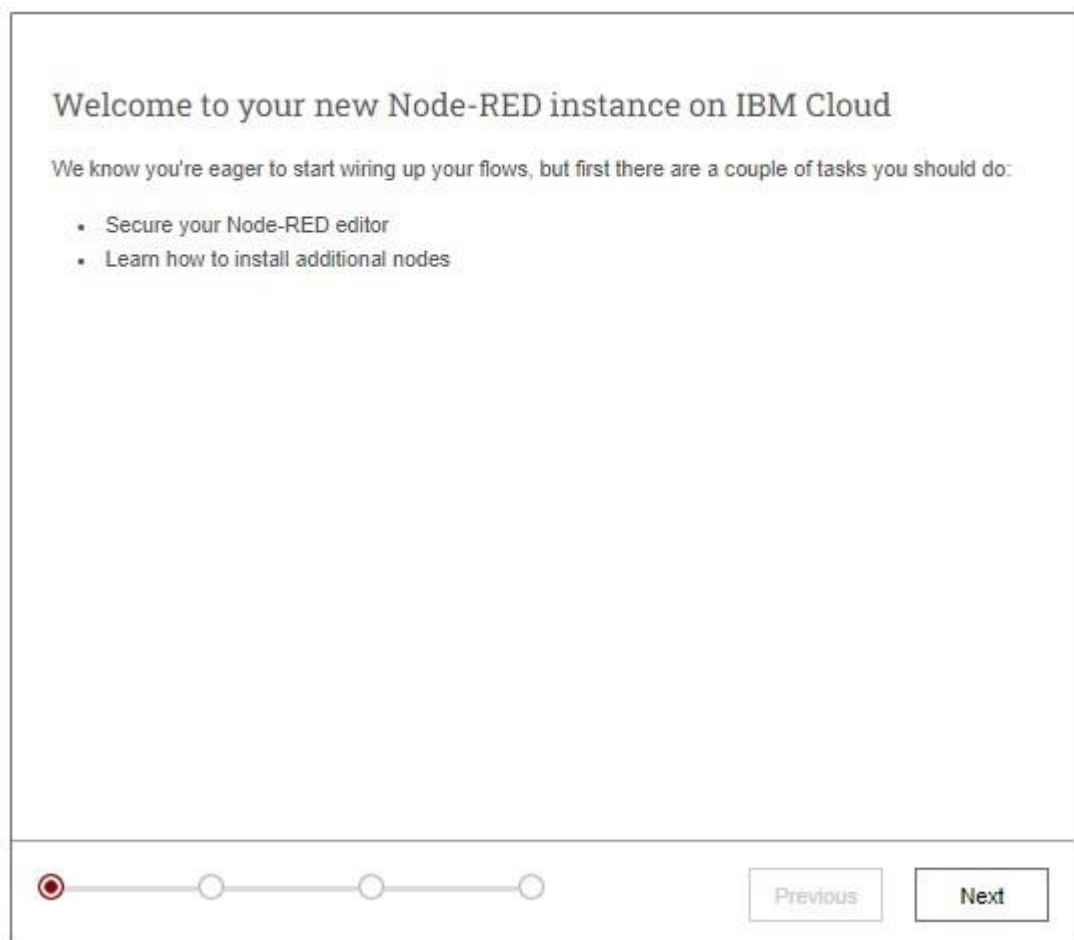
Page 1

Activate Windows
Go to Settings to activate Windows.

➤ After Running



➤ Welcomed by the instance editor



Next...

Secure your Node-RED editor

☐ Secure your editor so only authorised users can access it

☒ *Not recommended: Allow anyone to access the editor and make changes*

Your editor **will not** be secured. Anyone with the URL will be able to access your flows, data and bound services.

☒ Tick this box to confirm you want your editor to be insecure

Previous

Next

Next....

Finish the install

You have made the following selections:

- Not recommended: Allow anyone to access the editor and make changes*

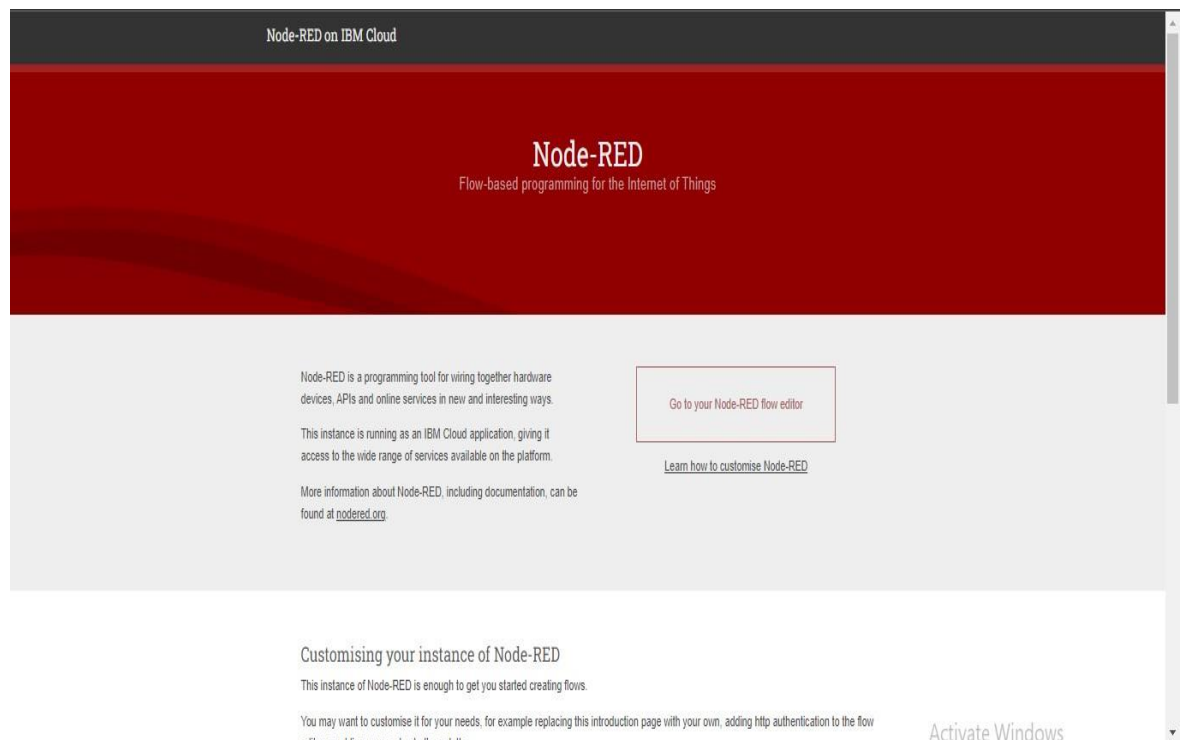
You can change these settings at any time by setting the following environment variables via the IBM Cloud console:

- NODE_RED_USERNAME - the username
- NODE_RED_PASSWORD - the password
- NODE_RED_GUEST_ACCESS - if set to 'true', allows anyone read-only access to the editor

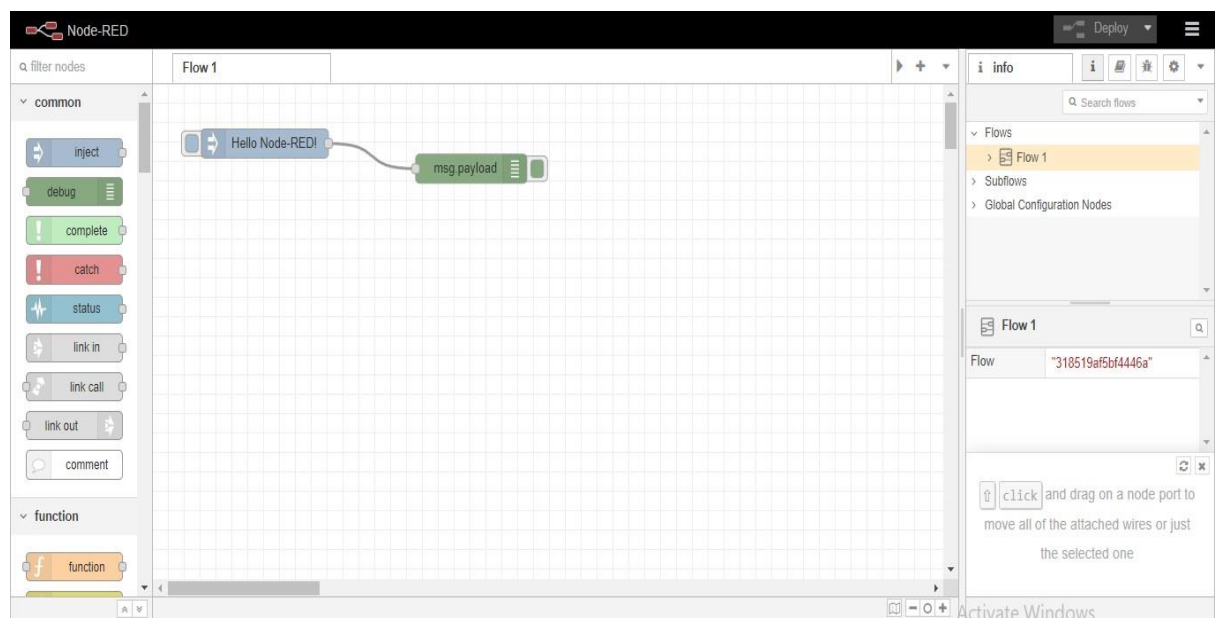
Previous

Finish

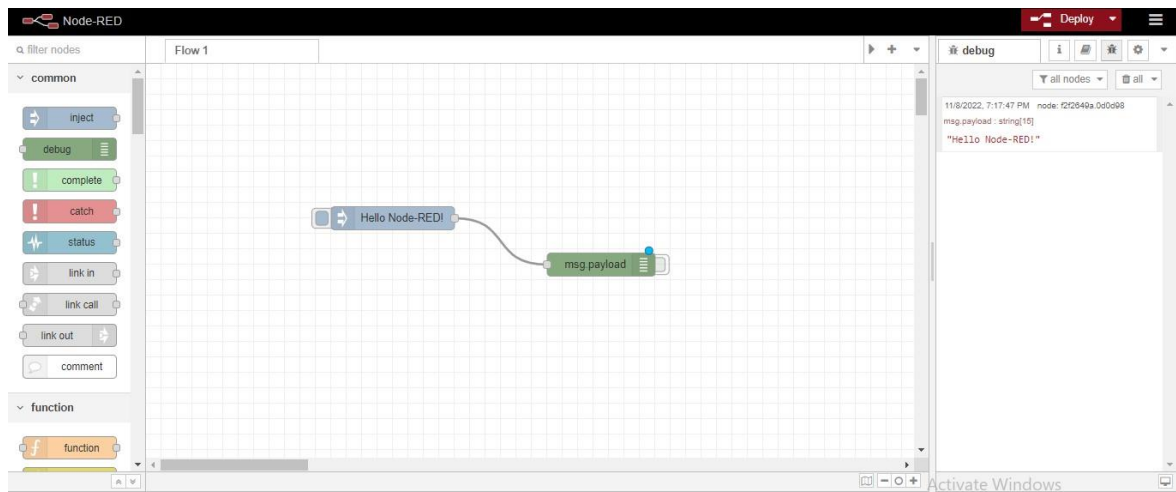
➤ Node-Red on IBM Cloud



➤ Dragged and Drop the components in the editor



➤ Successfully deploy



Result: Successfully created a Node RED service on IBM Cloud.