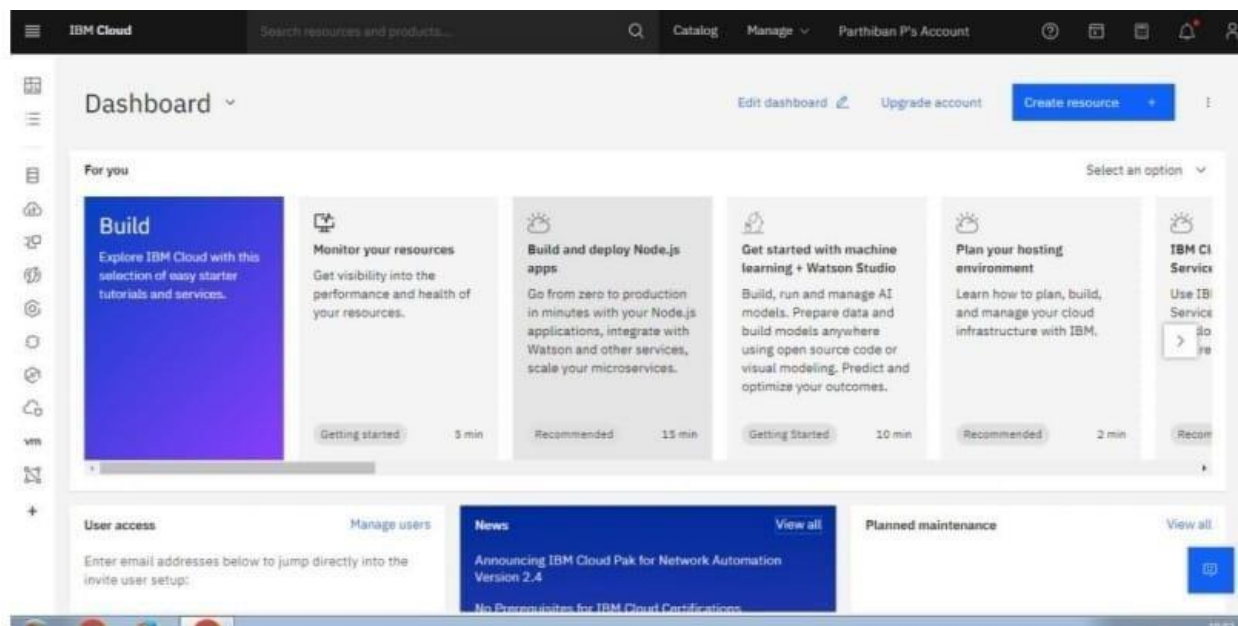


# CREATE NODE- RED SERVICE

DATE	11 NOVEMBER 2022
TEAM ID	PNT2022TMID18989
PROJECT NAME	GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES



cloud.ibm.com/resources

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Lalitha Gayatri ...

## Resource list

Create resource

Name	Group	Location	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter...				
Devices (0)				
VPC infrastructure (0)				
Clusters (1)				
Cloud Foundry apps (0)				
Cloud Foundry services (0)				
Services (3)				
Internet of Things Platform-om	Default	London	Active	—
Machine Learning-xz	Default	Dallas	Active	—
Watson Studio-5w	Default	Dallas	Active	—
Storage (1)				

sales.csv Show

Type here to search

1:25 PM 10/5/2022

cloud.ibm.com/catalog#software

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Lalitha Gayatri ...

## Software

Explore our expanding catalog of software solutions and take advantage of a simplified installation process.

All Categories 173 items

**2 Zone VPC**  
Community • Networking

Creates two virtual private clouds (VPC) with a Gateway and multiple virtual machines per VPC

Terraform

**AbanteCart**  
Third party • Developer Tools

AbanteCart is a free open source shopping cart or ecommerce platform for small to medium businesses. It is powered with a robust and...

OVA Images • vCenter Server • Free

**ActiveMQ**  
Third party • Developer Tools

Apache ActiveMQ is an open source messa broker written in Java together with a full J. Message Service (JMS) client.

OVA Images • vCenter Server • Free

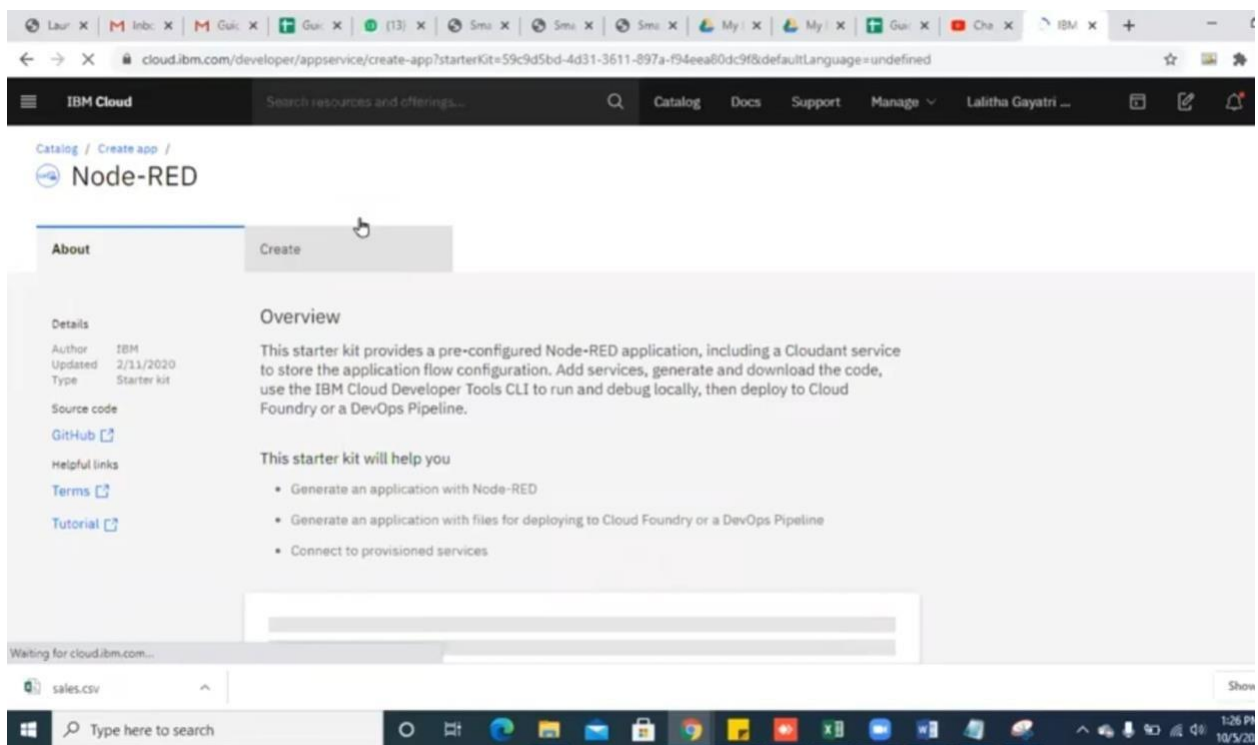
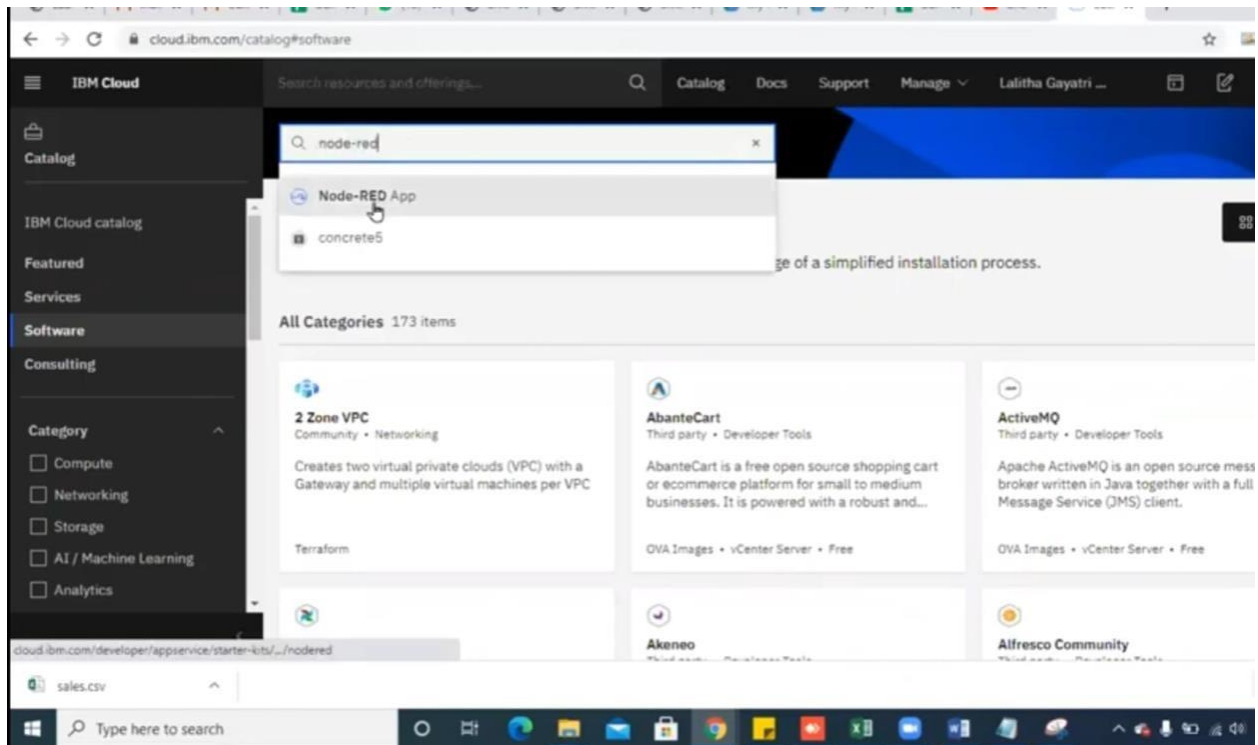
**Akeneo**  
Third party • Developer Tools

**Alfresco Community**  
Third party • Developer Tools

Waiting for vlx.liveperson.net...

sales.csv

Type here to search



cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Lalitha Gayatri ...

Details

Author IBM  
Updated 2/11/2020  
Type Starter kit

Source code  
GitHub

Helpful links  
Terms  
Tutorial

### Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.

This starter kit will help you:

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Cloudant  
Free to start View pricing

View docs

Get started

sales.csv

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Lalitha Gayatri ...

Examples: env:dev, version:1

Platform

Node.js

### Service details

Cloudant

Region: Sydney

Resource group: Default

Pricing plan: Lite

Pricing details Terms

Creating app...

sales.csv

cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Lalitha Gayatri ...

### Node RED V0.10.0 2020-10-05

#### Details

App URL You must deploy your app first

Source [Download code](#)


---

Resource group [Default](#)

Deployment target You must deploy your app first

Created 10/5/2020

#### Deployment Automation




##### Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

[Deploy your app](#)

#### Services

 Cloudant

[Provisioning service credentials](#)

[Connect existing services](#) [Create service](#)

sales.csv

Type here to search

1:27 PM 10/5/2020

cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f

IBM Cloud Search resources and offerings... Catalog Docs Support Manage Lalitha Gayatri ...

#### Details

App URL You must deploy your app first

Source [Download code](#)


---

Resource group [Default](#)

Deployment target You must deploy your app first

Created 10/5/2020

#### Deployment Automation




##### Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

[Deploy your app](#)

#### Services

 Cloudant

[Open dashboard](#) [Documentation](#)

[Credentials](#)

[Connect existing services](#) [Create service](#)

sales.csv

Type here to search

1:28 PM 10/5/2020

cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f


IBM Cloud


Select the deployment target


## 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.

IBM Cloud API key

New

The value is required.

sales.csv

1:28 PM 10/5/2020

cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f

IBM Cloud

Create a new API key with full access

Warning: This will create a new API key that allows anyone who has it the ability to do anything you could do. You can improve your security posture by using the IAM UI to create a service ID API key that limits access to only what your pipeline requires, and then pasting that into the template UI instead. For more information on API keys and access see the IAM documentation.

Name Description

API Key for NodeREDUOFCD020-10-05

☐ Save this key in a secrets store for reuse

Cancel OK

Number of instances

1

Memory allocation per instance

64 MB 2000 MB 256

sales.csv

1:29 PM 10/5/2020

### Getting started with apps

#### Step 1. Select the deployment target

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

#### IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

#### 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.](#)

#### Steps

- Select the region where your Kubernetes cluster is located.

#### 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 starting 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

- Select the number of instances, memory allocation, [region](#), [org](#), and [space](#).
- Select the [domain](#) and provide a [host](#) name.



cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f

IBM Cloud Search resources and offerings...

Resource list / App details / Node RED UOFCO 2020-10-05 Add tags Actions...

### Details

App URL You must deploy your app first

Source <https://us-south.git.cloud.ibm.com/lalithagayatriiolla1/NodeREDUOFCO2020-10-05>

Resource group Default

Deployment target You must deploy your app first

Created 10/5/2020

### Services

Cloudant

[Open dashboard](#) [Documentation](#)

Credentials

### Deployment Automation

Name NodeREDUOFCO2020-10-05

Location Dallas

Tool integrations

### Delivery Pipelines

Name NodeREDUOFCO2020-10-05

Status No stages detected

sales.csv

Type here to search

1:30 PM 10/5/2020

cloud.ibm.com/developer/appservice/apps/d5f833ee-b94e-4f52-9c42-409f1582028f

IBM Cloud Search resources and offerings...

Resource list / App details / Node RED UOFCO 2020-10-05 Add tags Actions...

### Details

App URL You must deploy your app first

Source <https://us-south.git.cloud.ibm.com/lalithagayatriiolla1/NodeREDUOFCO2020-10-05>

Resource group Default

Deployment target You must deploy your app first

Created 10/5/2020

### Services

Cloudant

[Open dashboard](#) [Documentation](#)

Credentials

### Deployment Automation

Name NodeREDUOFCO2020-10-05

Location Dallas

Tool integrations

### Delivery Pipelines

Name NodeREDUOFCO2020-10-05

Status Success

Last input Last commit by IBM Cloud (10 minutes ago)

[Clone from zip](#)

[https://cloud.ibm.com/devops/pipelines/6884006c-c047-4472-aa1d-f2c35e7ae9ae?env\\_id=ibmcrpus-south](https://cloud.ibm.com/devops/pipelines/6884006c-c047-4472-aa1d-f2c35e7ae9ae?env_id=ibmcrpus-south)

sales.csv

Type here to search

1:41 PM 10/5/2020

IBM Cloud Resource list

Name	Group	Location	Status	Tags
Node RED UOFCO 2020-10-05	lalithagayatri101a@gmail.com / dev	London	Started	-

Navigation: Devices (0), VPC infrastructure (0), Clusters (1), Cloud Foundry apps (1), Node RED UOFCO 2020-10-05, Services (5), Storage (1), Network (0), Cloud Foundry antenaica environments (1)

Node RED UOFCO 2020-10-05 Running

Overview

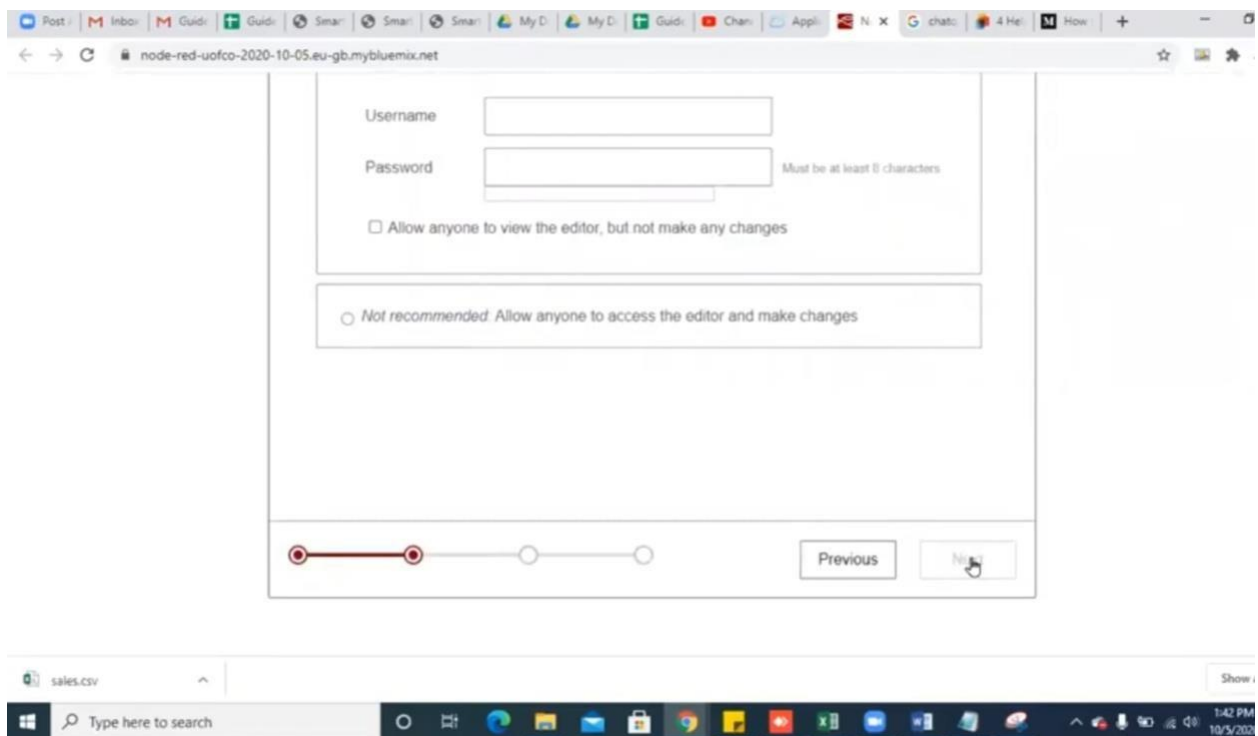
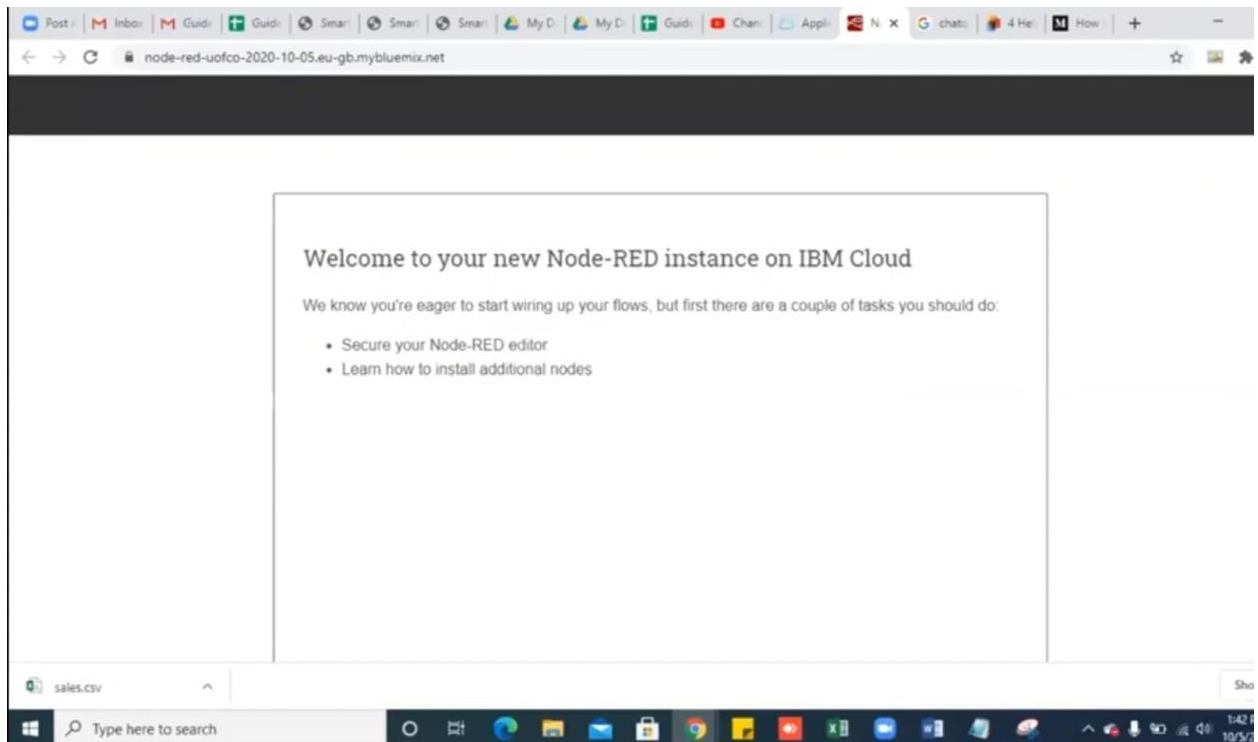
Instances: 1/1 instance(s) are running

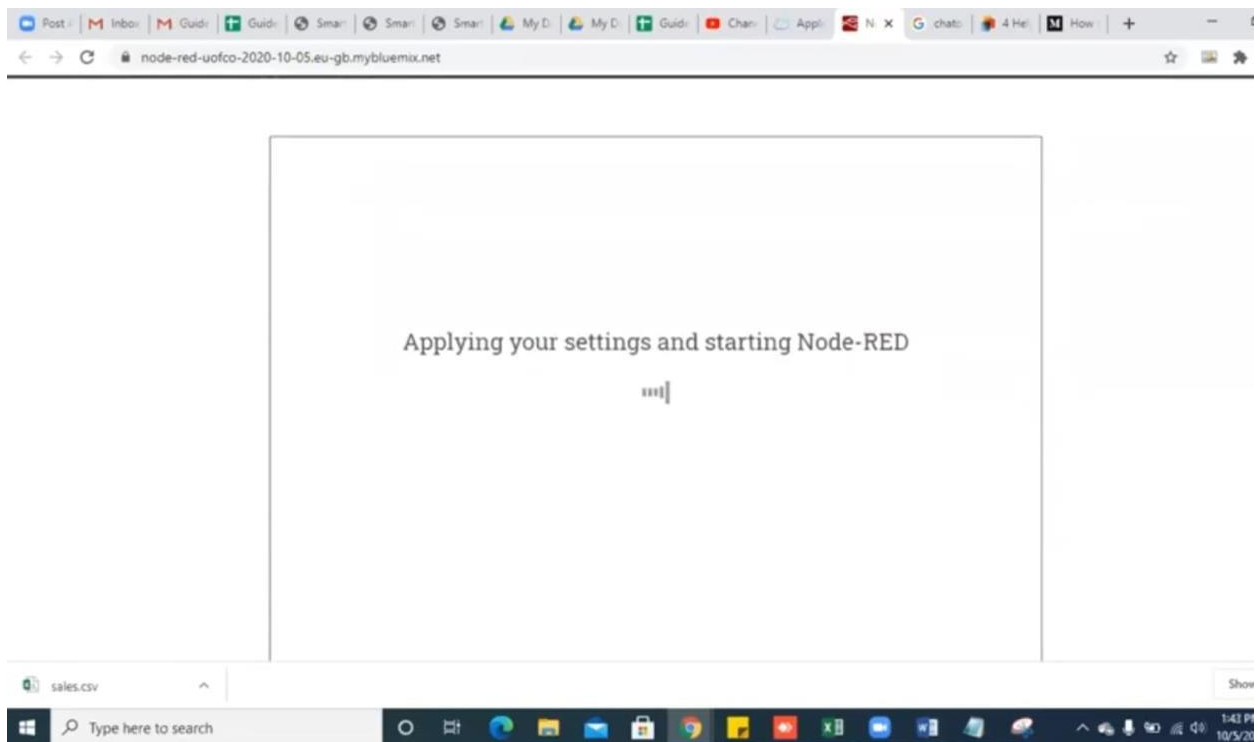
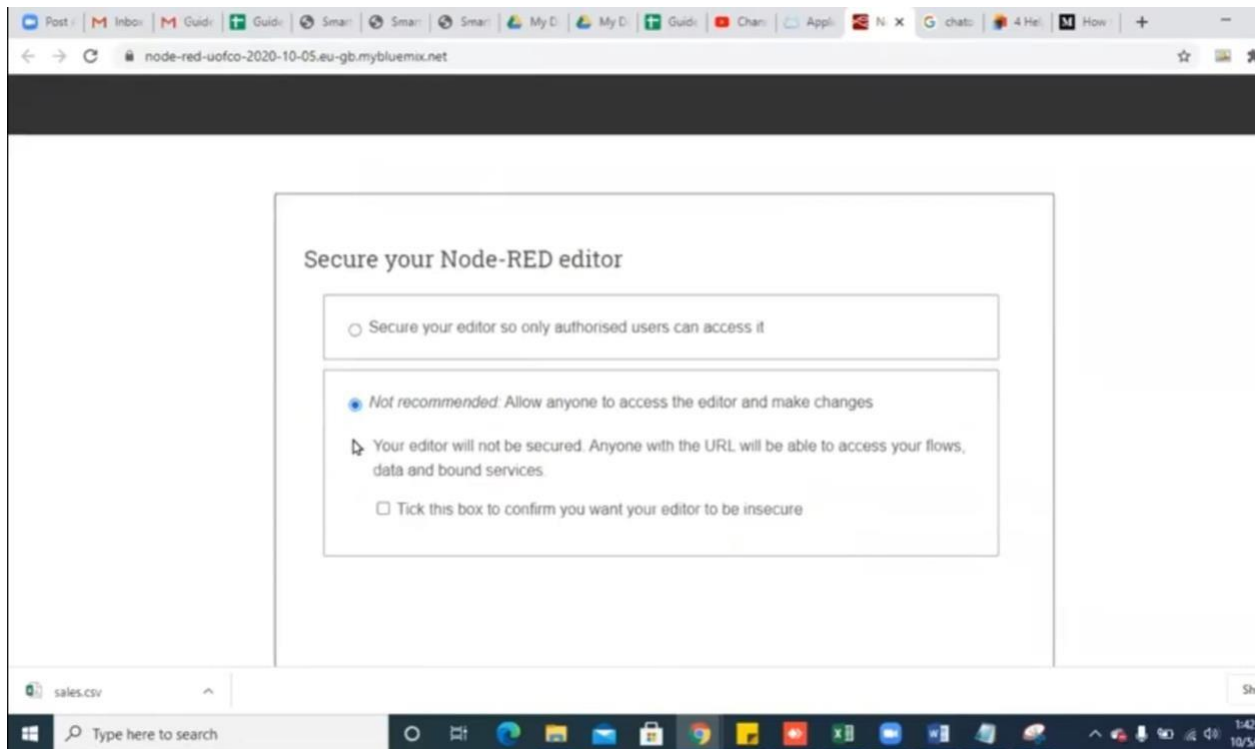
Health: 100%

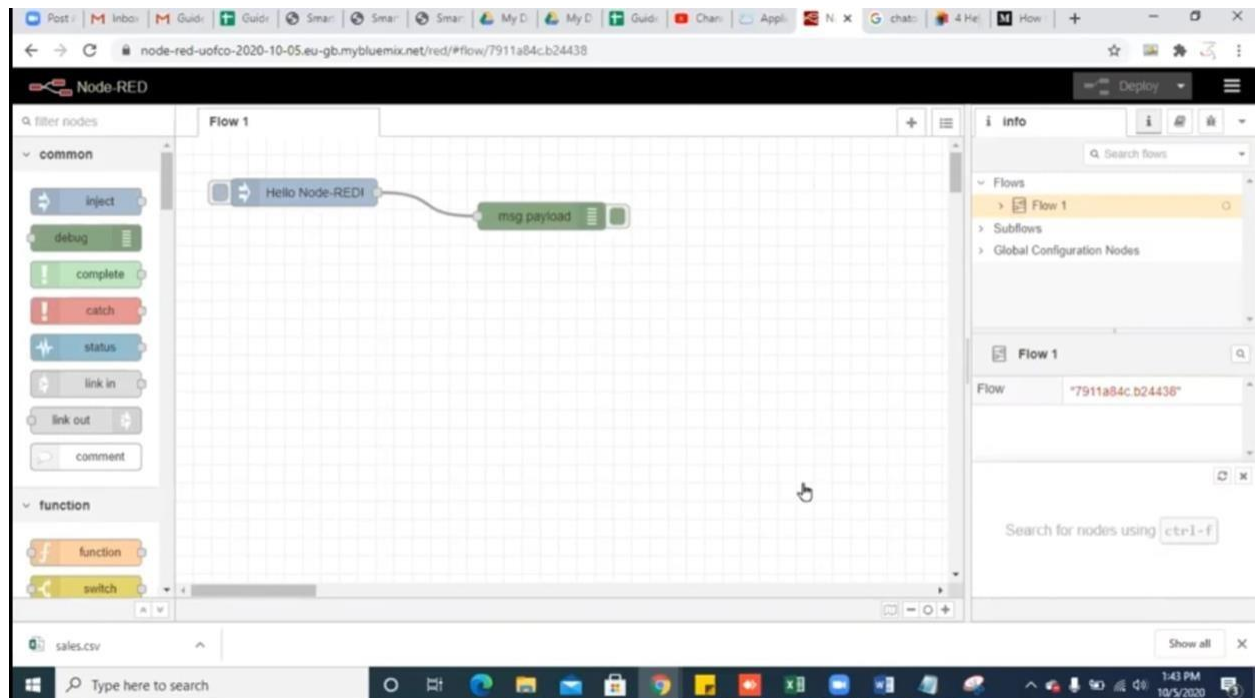
Runtime cost: 1.75 GB still available

Connections (1): node-red-uofco-2020--cloudant-1601884627431-44903









## RESULT:

An Node-Red Service is created successfully.