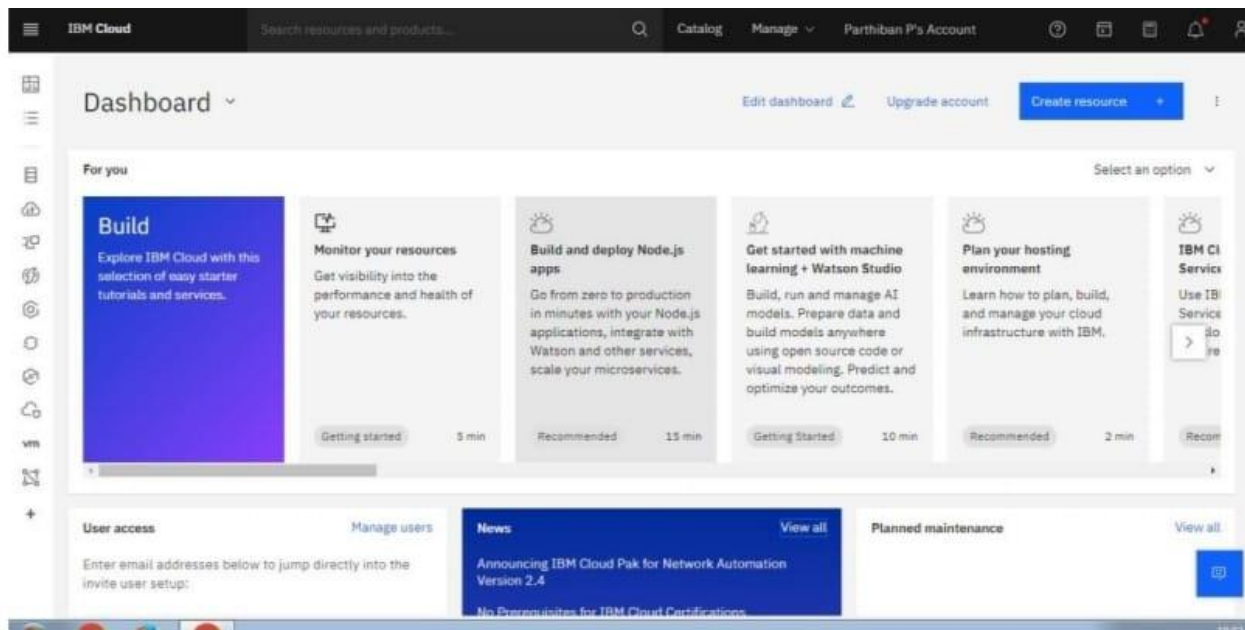


CREATE NODE- RED SERVICE

DATE	3 NOVEMBER 2022
TEAM ID	PNT2022TMID52160
PROJECT NAME	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM



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)				

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cloud.ibm.com/catalog#software

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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 message broker written in Java together with a full JMS client.

OVA Images • vCenter Server • Free

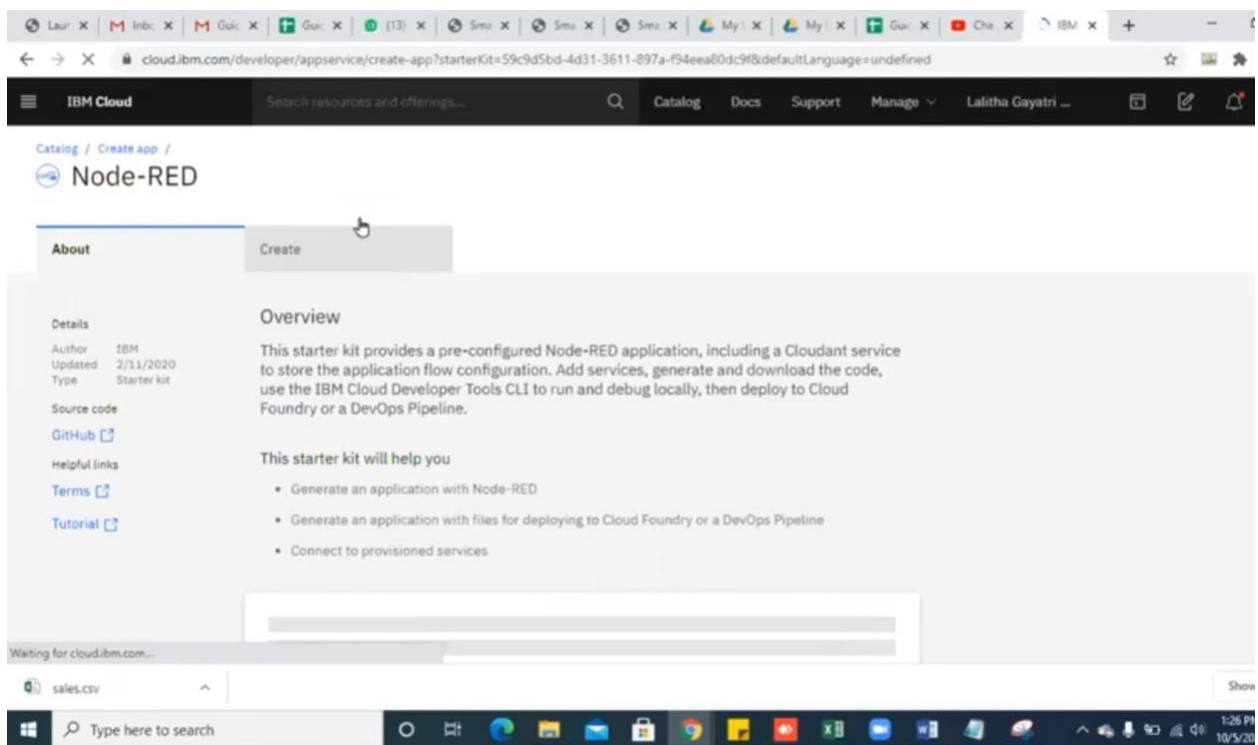
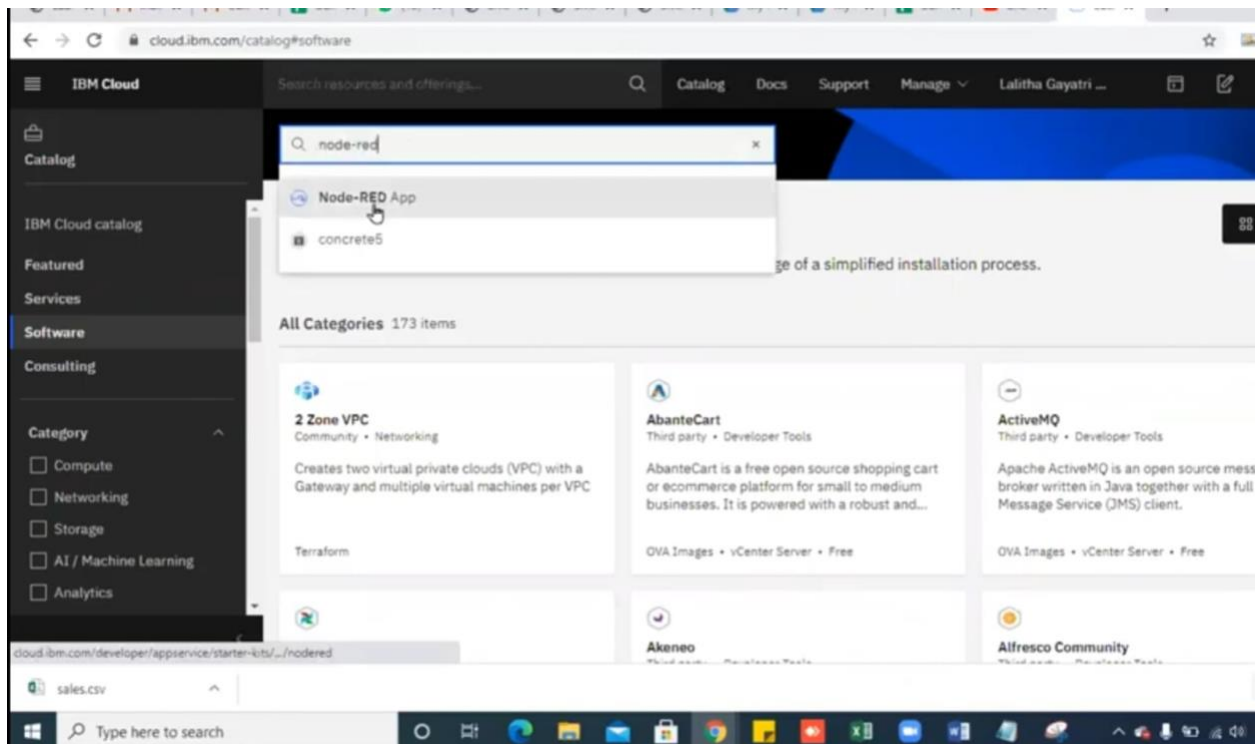
Akeneo
Third party • Developer Tools

Alfresco Community
Third party • Developer Tools

Waiting for vlx.liveperson.net...

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

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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

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

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Examples: env:dev, version:1

Platform

☒ Node.js

Service details

Cloudant

Region: Sydney Resource group: Default

Pricing plan: Lite

Pricing details Terms

Creating app...

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

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Node RED Docker 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](#)

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

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Node RED Docker 2020-10-05

Details

App URL You must deploy your app first

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Created 10/5/2020

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[Deploy your app](#)

Services

Cloudant

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

[Credentials](#)

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

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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.

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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: API Key for NodeREDUOFCD020-10-05

Description:

☐ Save this key in a secrets store for reuse

Cancel OK

Number of instances: 1

Memory allocation per instance: 64 MB

Standard Configuration Custom

2000 MB 256

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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.

Post x Inbo x Guid x Guid x Smar x Smar x Smar x My D x My D x Guid x Chan x IBM x + -

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

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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 ▾

[Download revision zip](#) [Create revision](#)

Deployment Automation

Name [NodeREDUOFCO2020-10-05](#)

Location [Dallas](#)

Tool integrations

Delivery Pipelines

Name [NodeREDUOFCO2020-10-05](#)

Status No stages detected

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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)

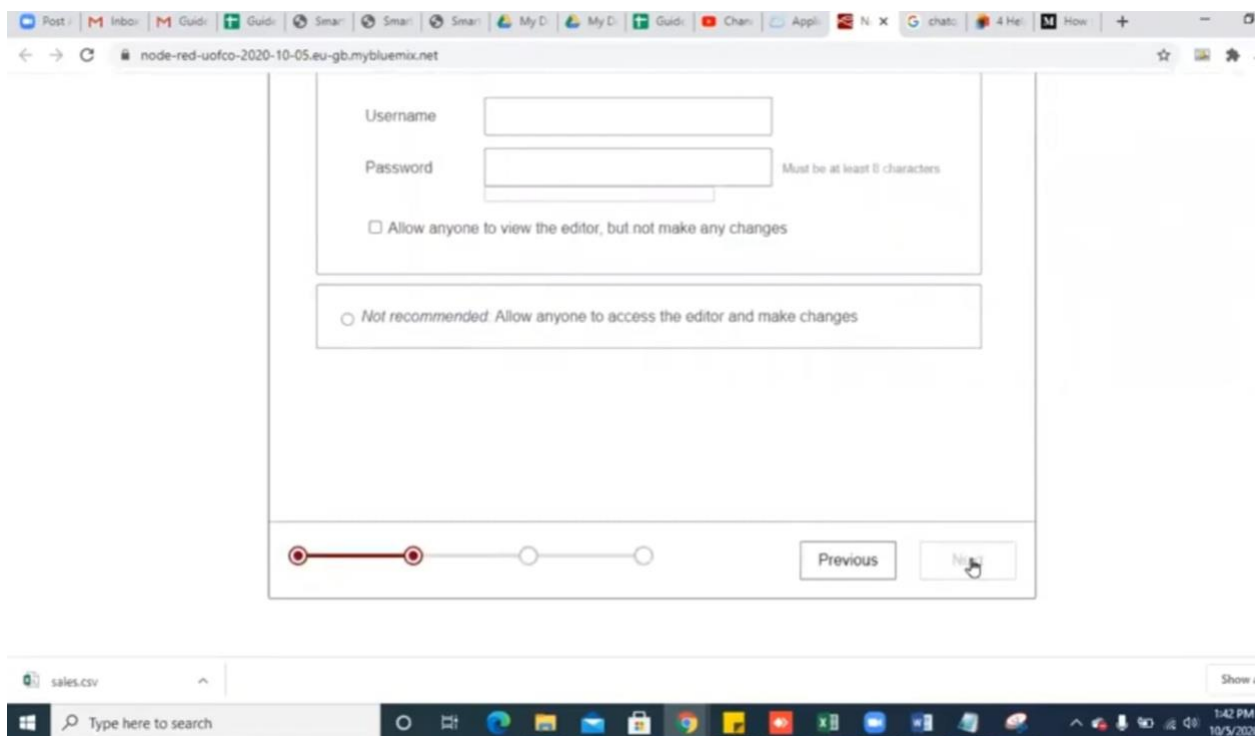
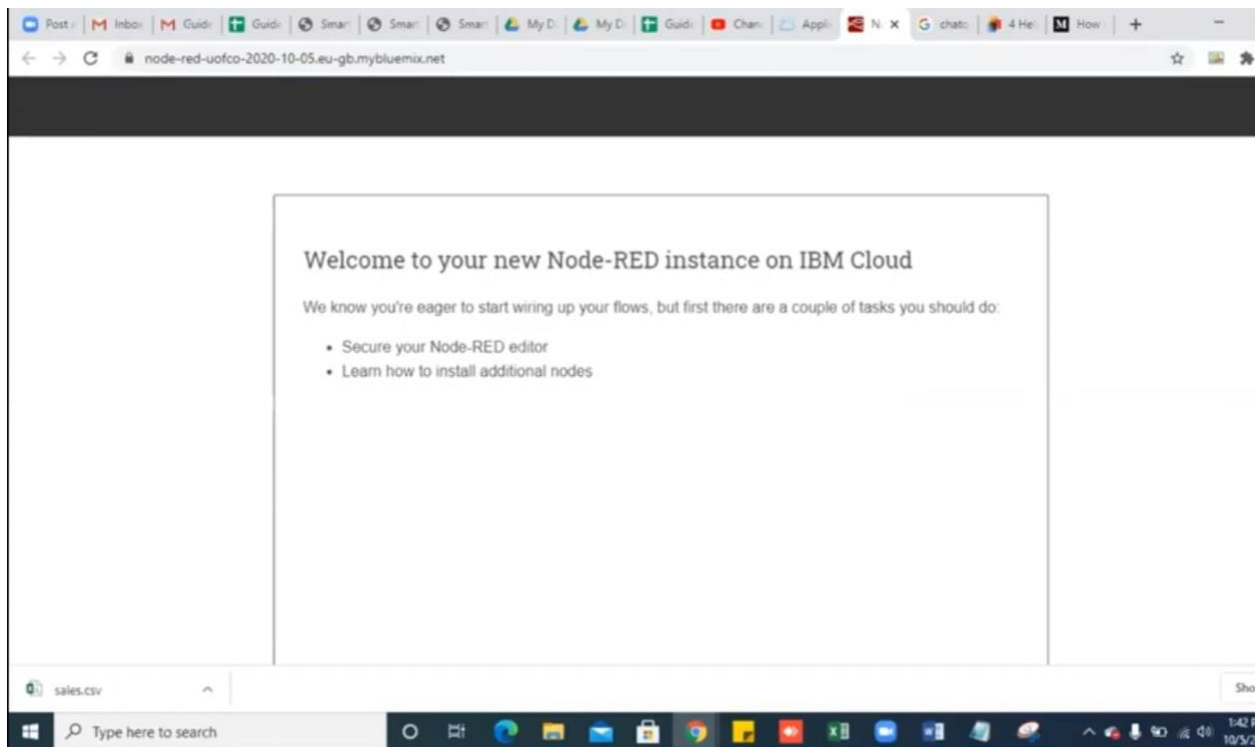
[Clone from zip](#)

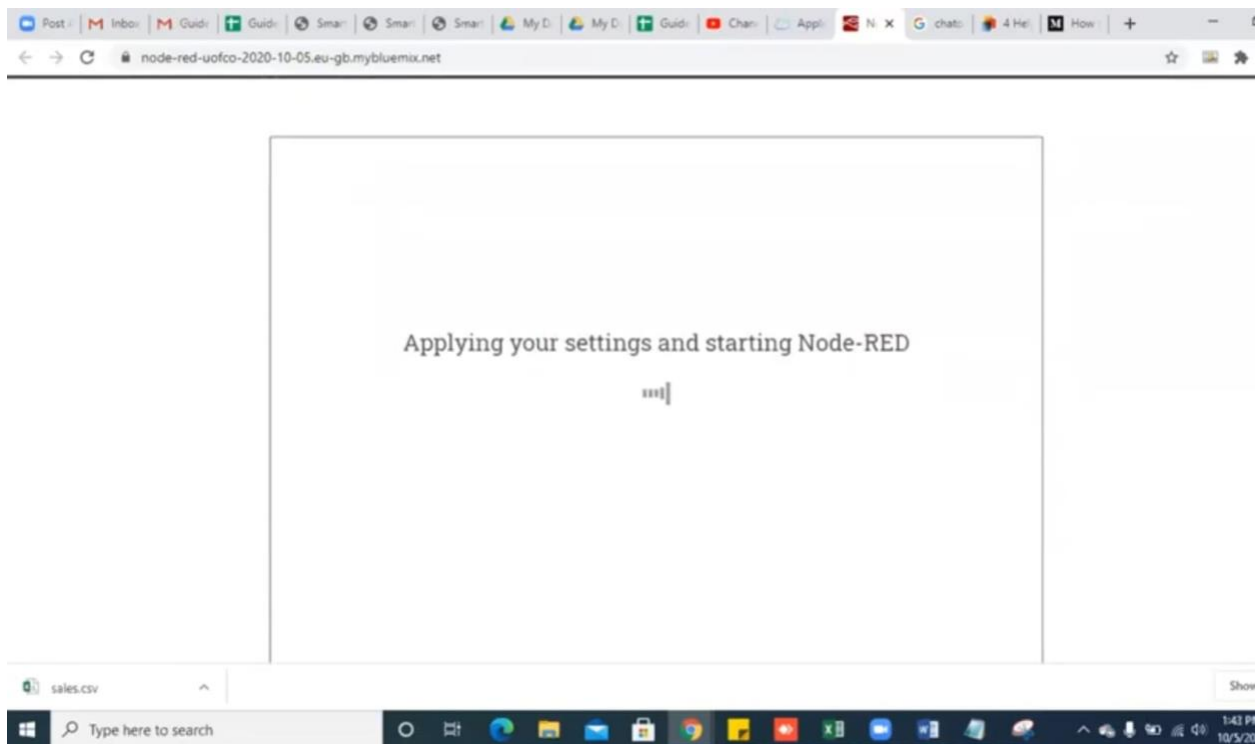
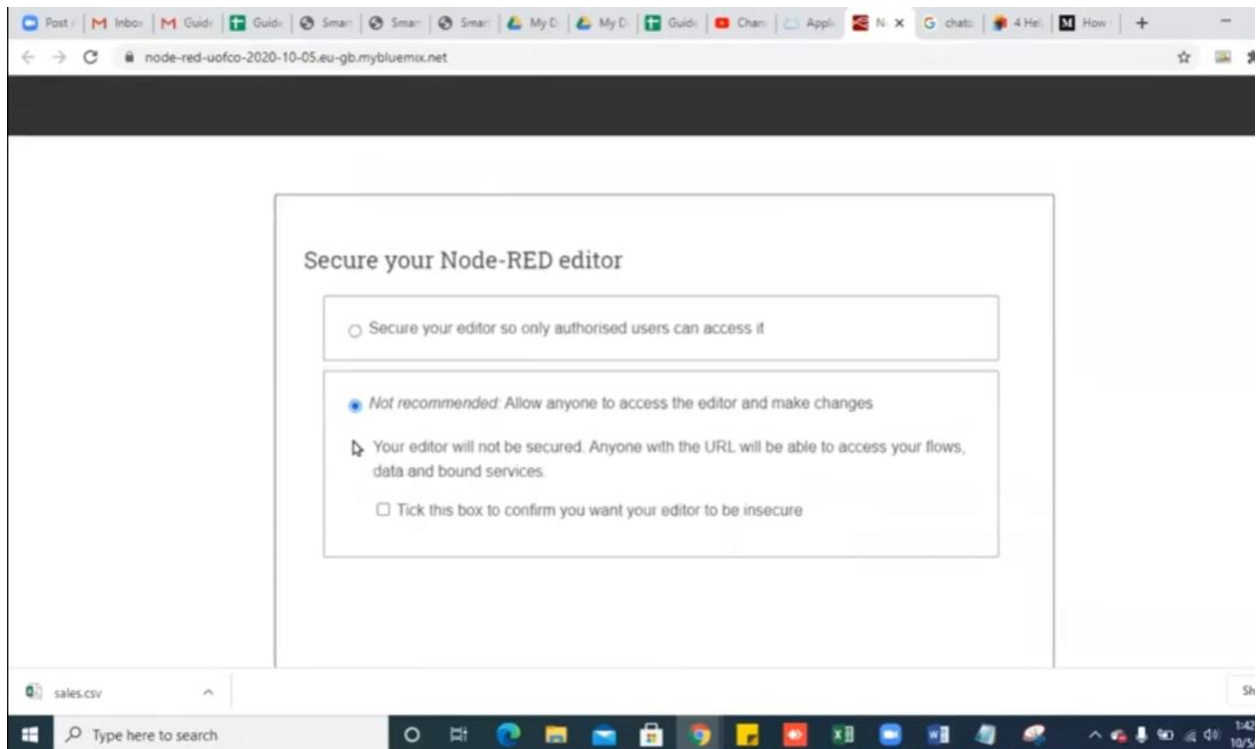
https://cloud.ibm.com/devops/pipelines/6884006c-c047-4472-aa1d-f2c35e7ae9ae?env_id=ibmcrpus-south

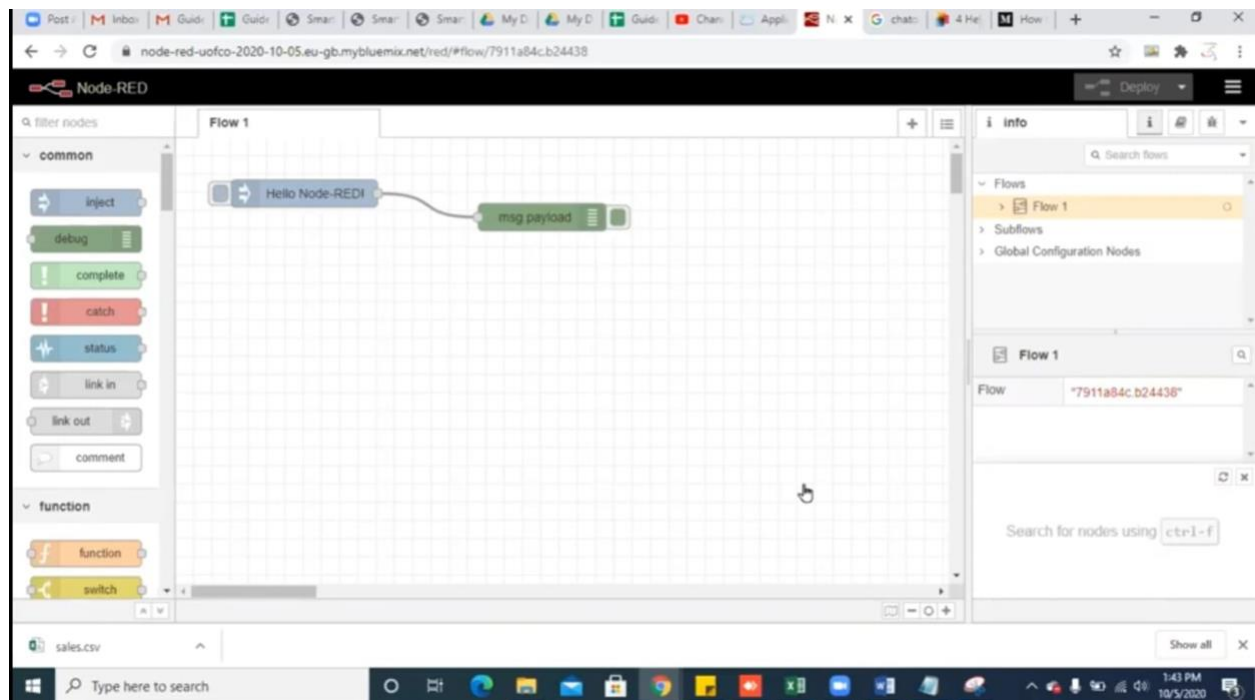
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RESULT:

An Node-Red Service is created successfully.