NODE-RED SERVICE

Team id	PMT2022TMID13519
Project title	Real time river water quality monitoring and control system
Team leader	S.Keerthana
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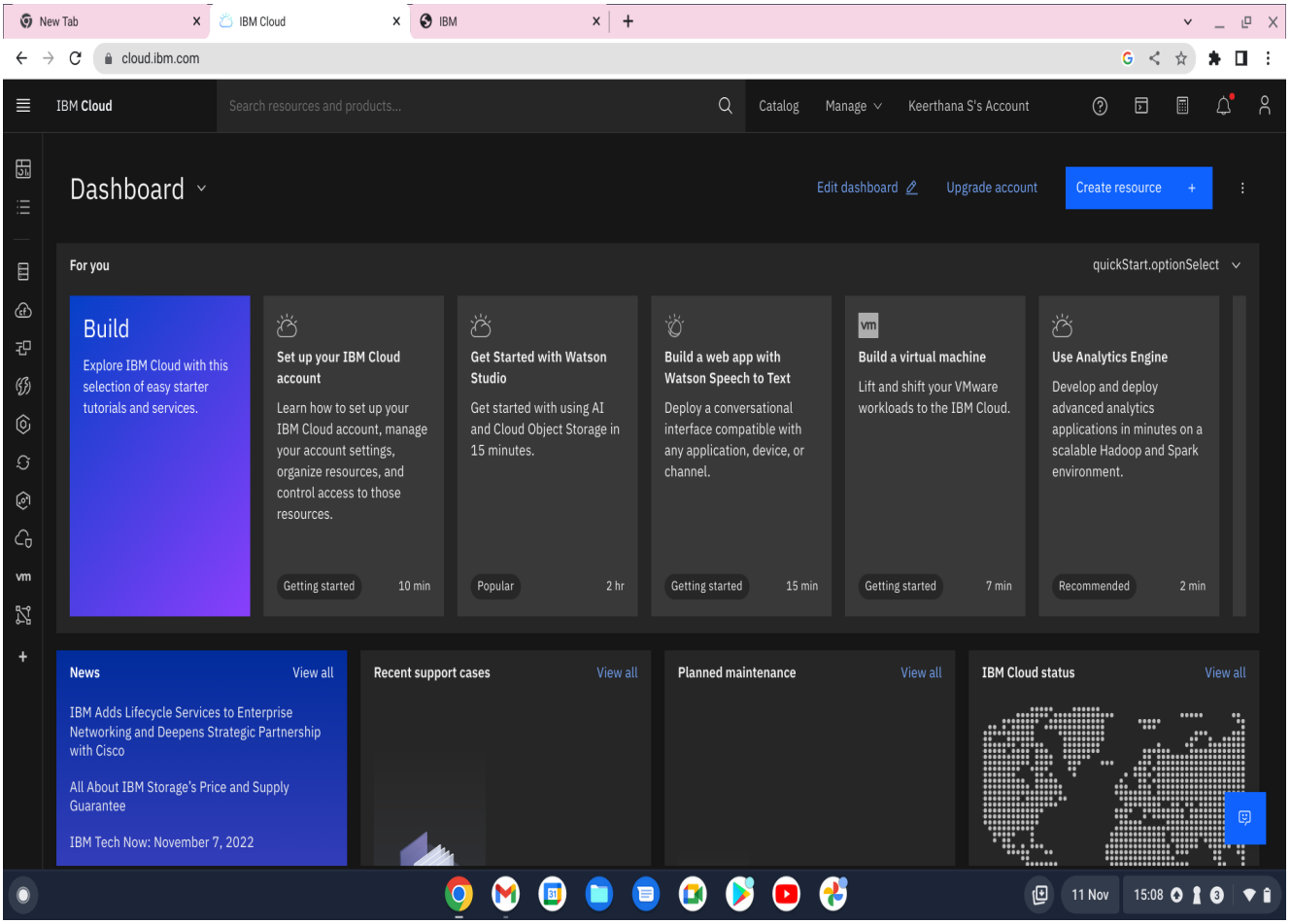
Team member 2	R.Deepika
Team member 3	M.Dharshini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Build
Explore IBM Cloud with this selection of easy starter tutorials and services.
Set up your IBM Cloud account
Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources.
Getting started
10 min
Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular
2 hr
Build a web app with Watson Speech to Text
Deploy a conversational interface compatible with any application, device, or channel.
Getting started
15 min
Build a virtual machine
Lift and shift your VMware workloads to the IBM Cloud.
Getting started
7 min
Use Analytics Engine
Develop and deploy advanced analytics applications in minutes on a scalable Hadoop and Spark environment.
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2 min
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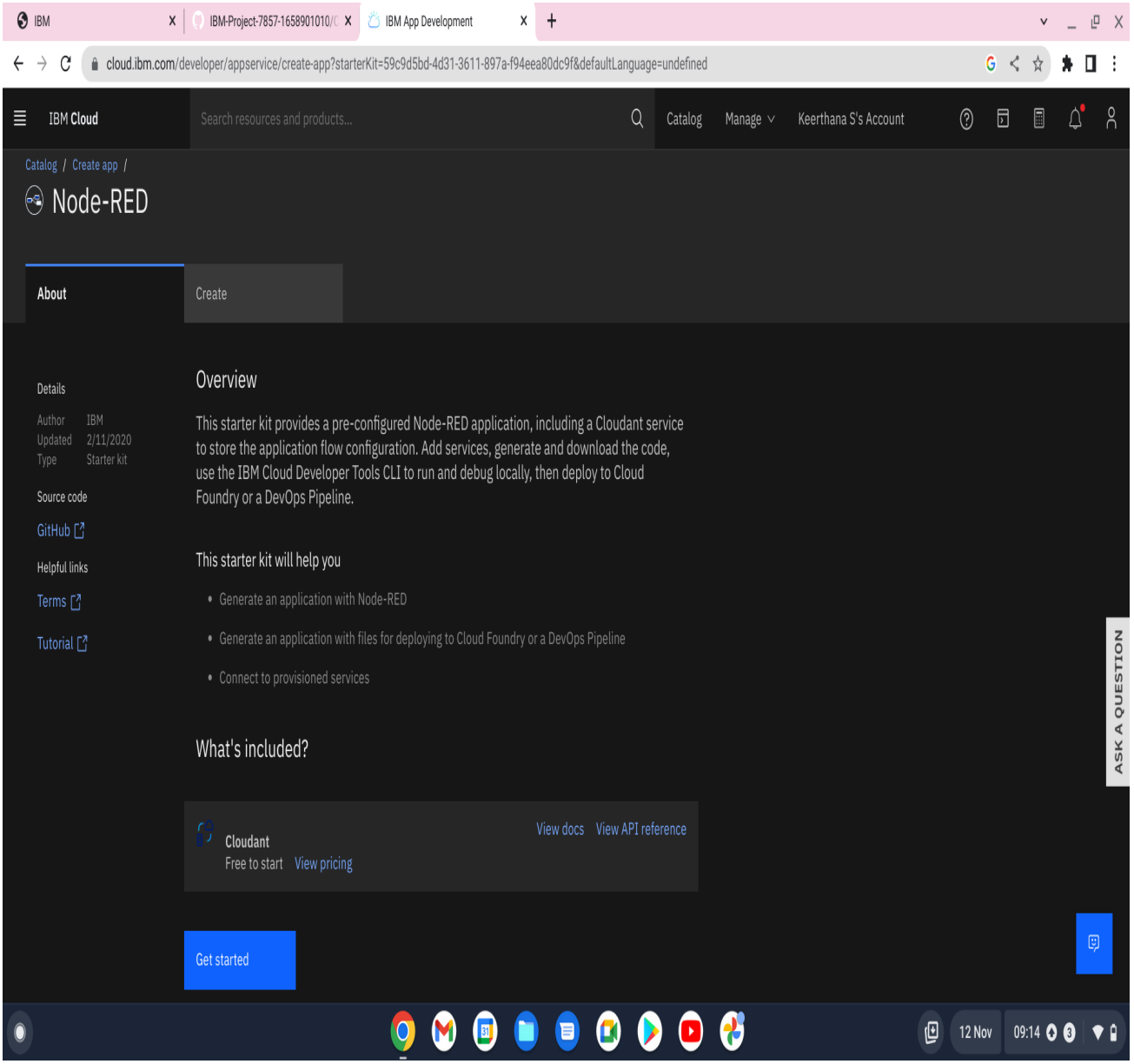
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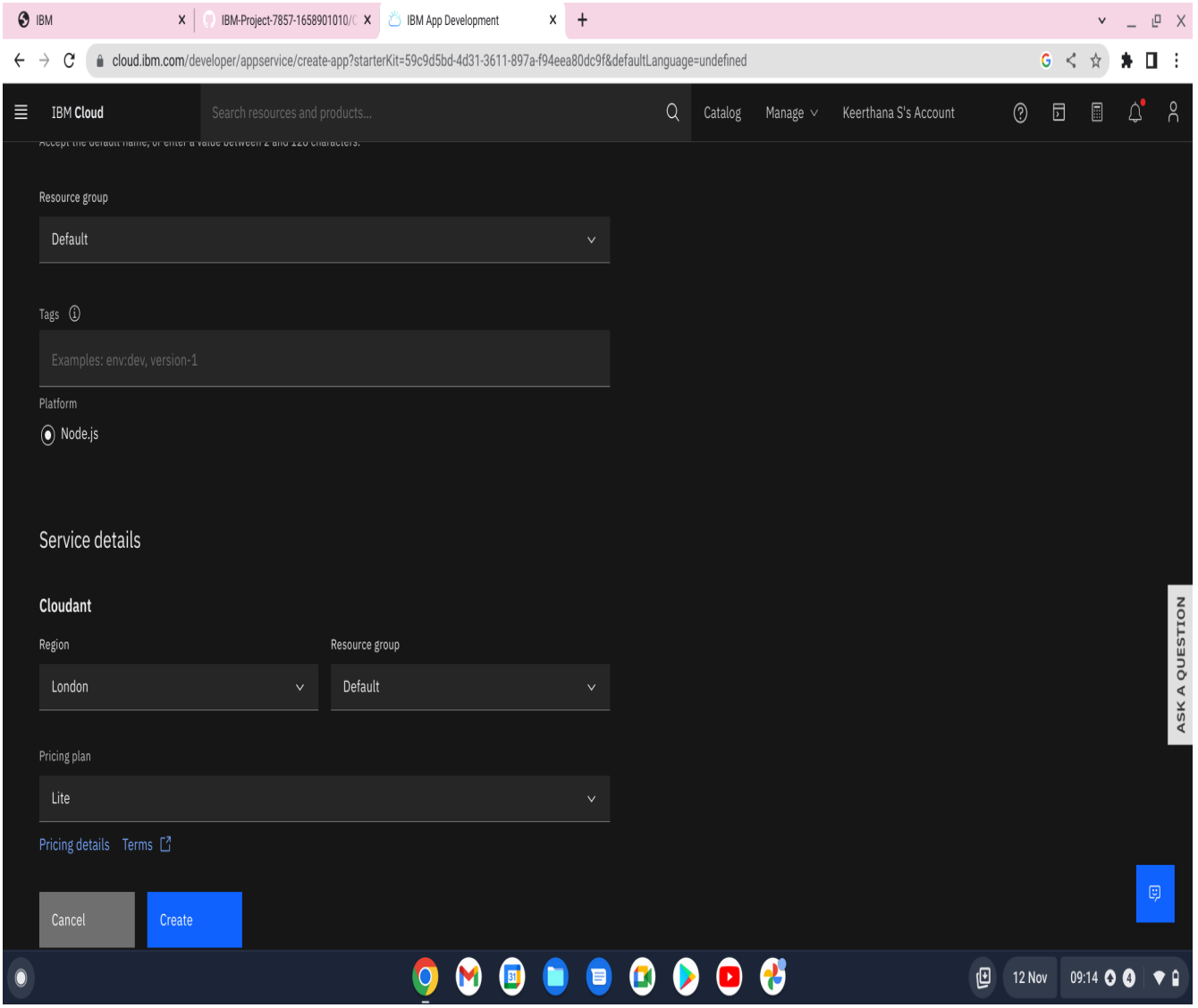
Catalog / Create app /
Node-RED
About
Create
Details
Author IBM
Updated 2/11/2020
Type Starter kit
Source code
GitHub
Helpful links
Terms
Tutorial
Overview
This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, 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 View API reference
Get started
ASK A QUESTION
12 Nov
09:14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Resource group
Default
Tags
Examples: env:dev, version-1
Platform
Node.js
Service details
Cloudant
Region
London
Resource group
Default
Pricing plan
Lite
Pricing details
Terms
Cancel
Create
ASK A QUESTION
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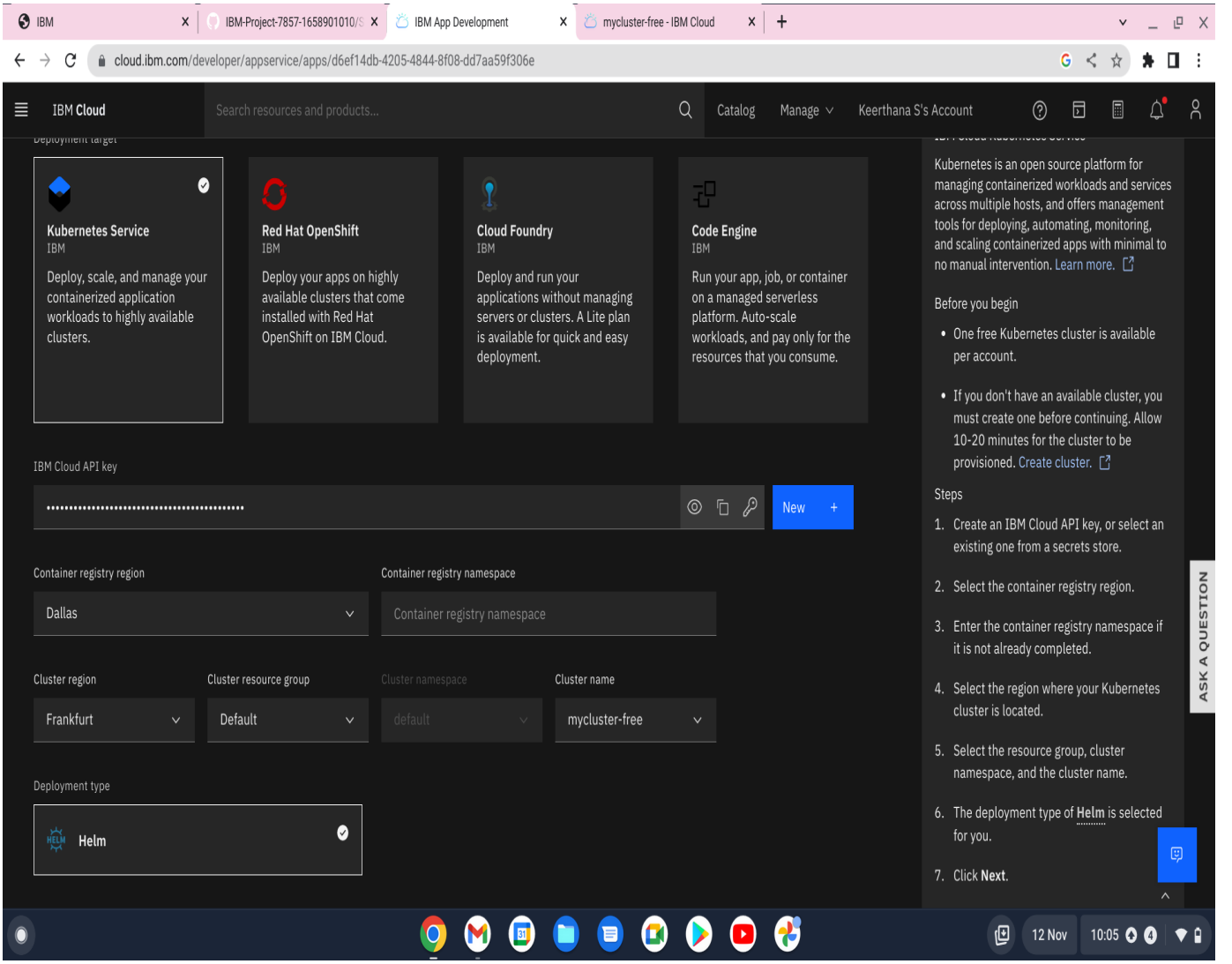
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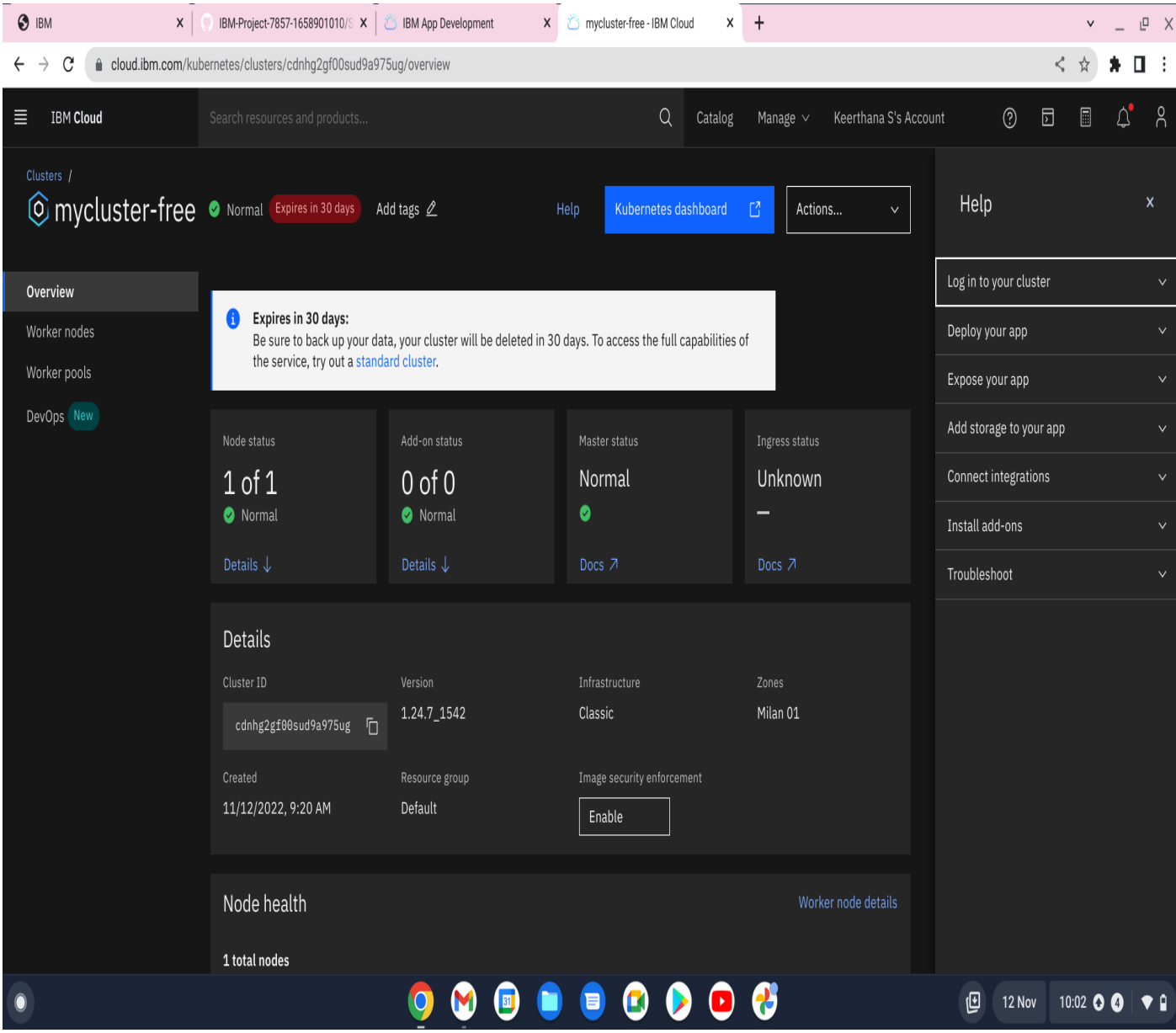
Kubernetes Service
IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.
Red Hat OpenShift
IBM
Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.
Cloud Foundry
IBM
Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.
Code Engine
IBM
Run your app, job, or container on a managed serverless platform. Auto-scale workloads, and pay only for the resources that you consume.
IBM Cloud API key
New
Container registry region
Dallas
Container registry namespace
Container registry namespace
Cluster region
Frankfurt
Cluster resource group
Default
Cluster namespace
default
Cluster name
mycluster-free
Deployment type
Helm
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
1. Create an IBM Cloud API key, or select an existing one from a secrets store.
2. Select the container registry region.
3. Enter the container registry namespace if it is not already completed.
4. Select the region where your Kubernetes cluster is located.
5. Select the resource group, cluster namespace, and the cluster name.
6. The deployment type of Helm is selected for you.
7. Click Next.
ASK A QUESTION
12 Nov
10:05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cloud.ibm.com/kubernetes/clusters/cdnhg2gf00sud9a975ug/overview
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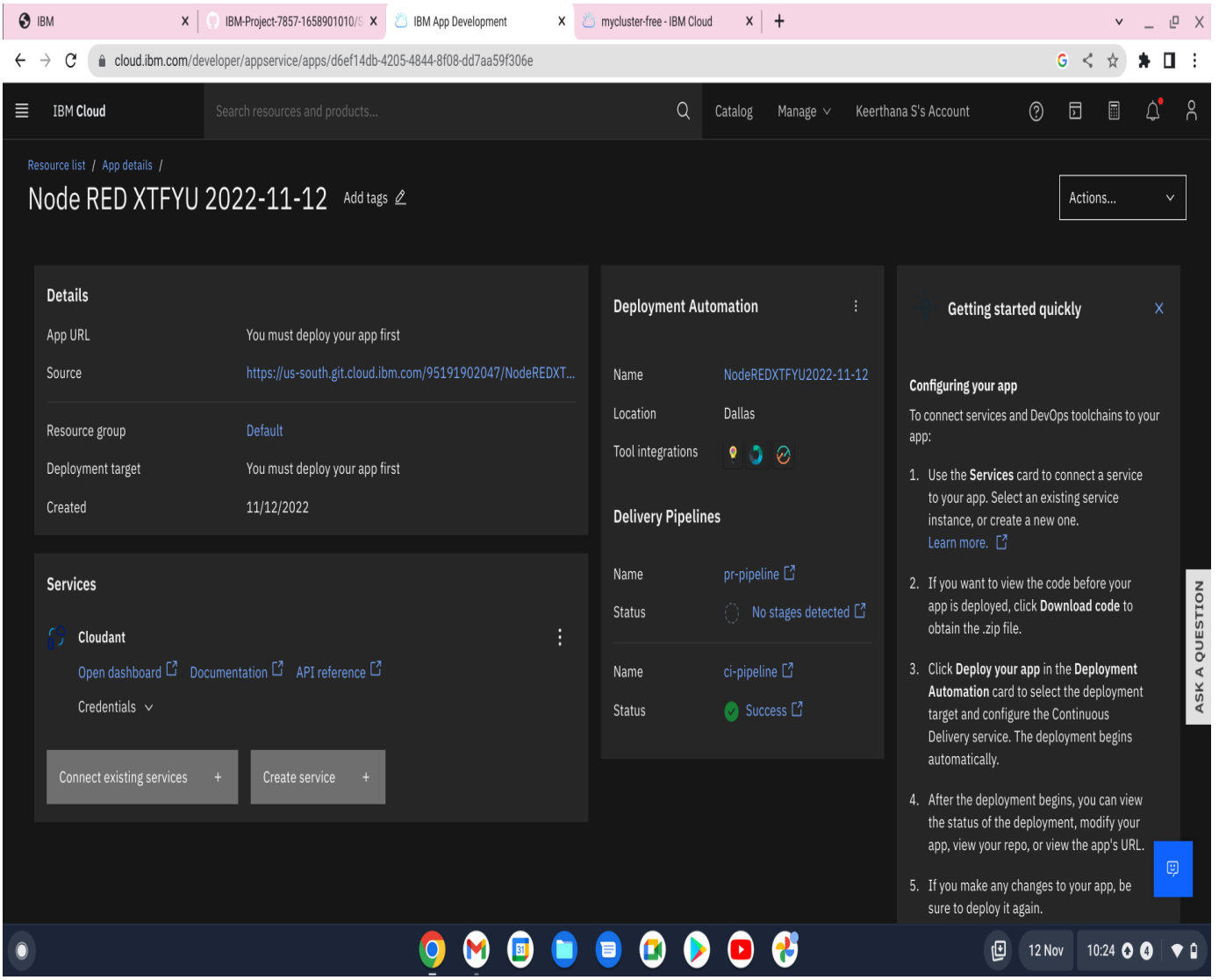
Clusters /
mycluster-free
Normal
Expires in 30 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Expires in 30 days:
Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster.
Node status
1 of 1
Normal
Details
Add-on status
0 of 0
Normal
Details
Master status
Normal
Docs
Ingress status
Unknown
–
Docs
Details
Cluster ID
cdnhg2gf00sud9a975ug
Version
1.24.7_1542
Infrastructure
Classic
Zones
Milan 01
Created
11/12/2022, 9:20 AM
Resource group
Default
Image security enforcement
Enable
Node health
Worker node details
1 total nodes
Help
Log in to your cluster
Deploy your app
Expose your app
Add storage to your app
Connect integrations
Install add-ons
Troubleshoot
12 Nov
10:02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Resource list / App details /
Node RED XTFYU 2022-11-12
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
https://us-south.git.cloud.ibm.com/95191902047/NodeREDXT...
Resource group
Default
Deployment target
You must deploy your app first
Created
11/12/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
Deployment Automation
Name
NodeREDXTFYU2022-11-12
Location
Dallas
Tool integrations
Delivery Pipelines
Name
pr-pipeline
Status
No stages detected
Name
ci-pipeline
Status
Success
Getting started quickly
Configuring your app
To connect services and DevOps toolchains to your app:
1. Use the Services card to connect a service to your app. Select an existing service instance, or create a new one.
Learn more.
2. If you want to view the code before your app is deployed, click Download code to obtain the .zip file.
3. Click Deploy your app in the Deployment Automation card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL.
5. If you make any changes to your app, be sure to deploy it again.
ASK A QUESTION
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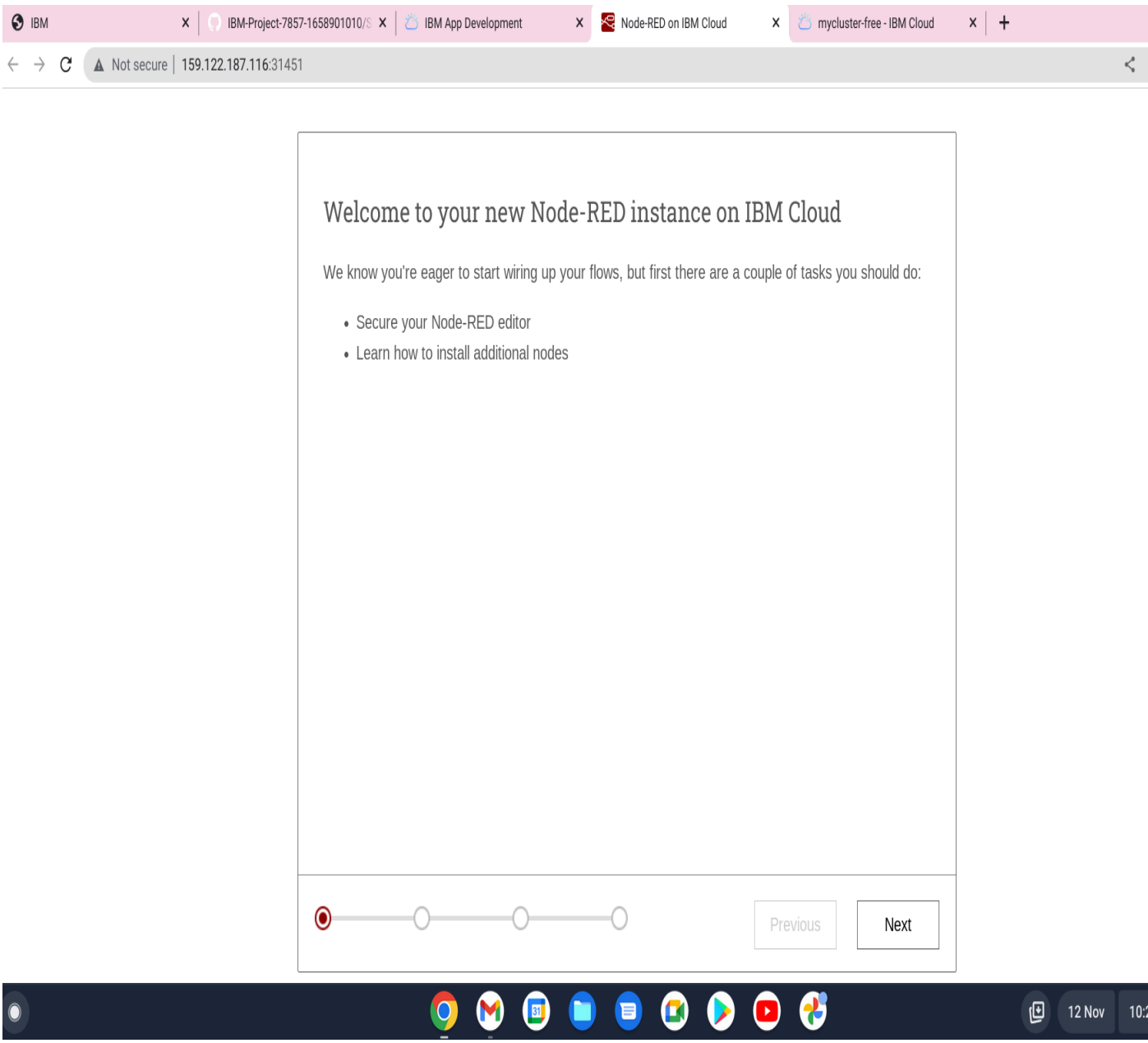
10:24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Node-RED on IBM Cloud
mycluster-free - IBM Cloud
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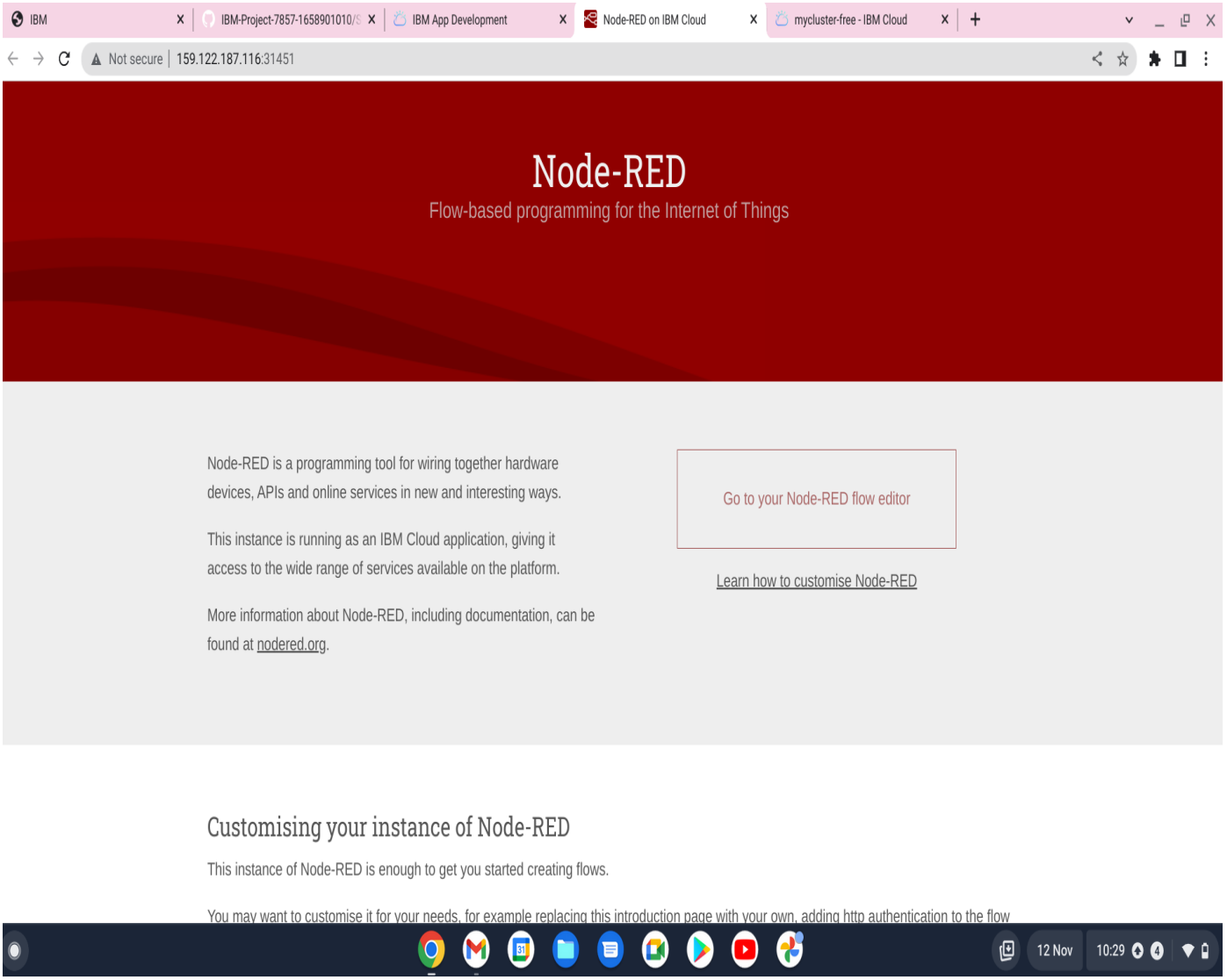
159.122.187.116:31451
Welcome to your new Node-RED instance on IBM Cloud
We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:
Secure your Node-RED editor
Learn how to install additional nodes
Previous
Next
12 Nov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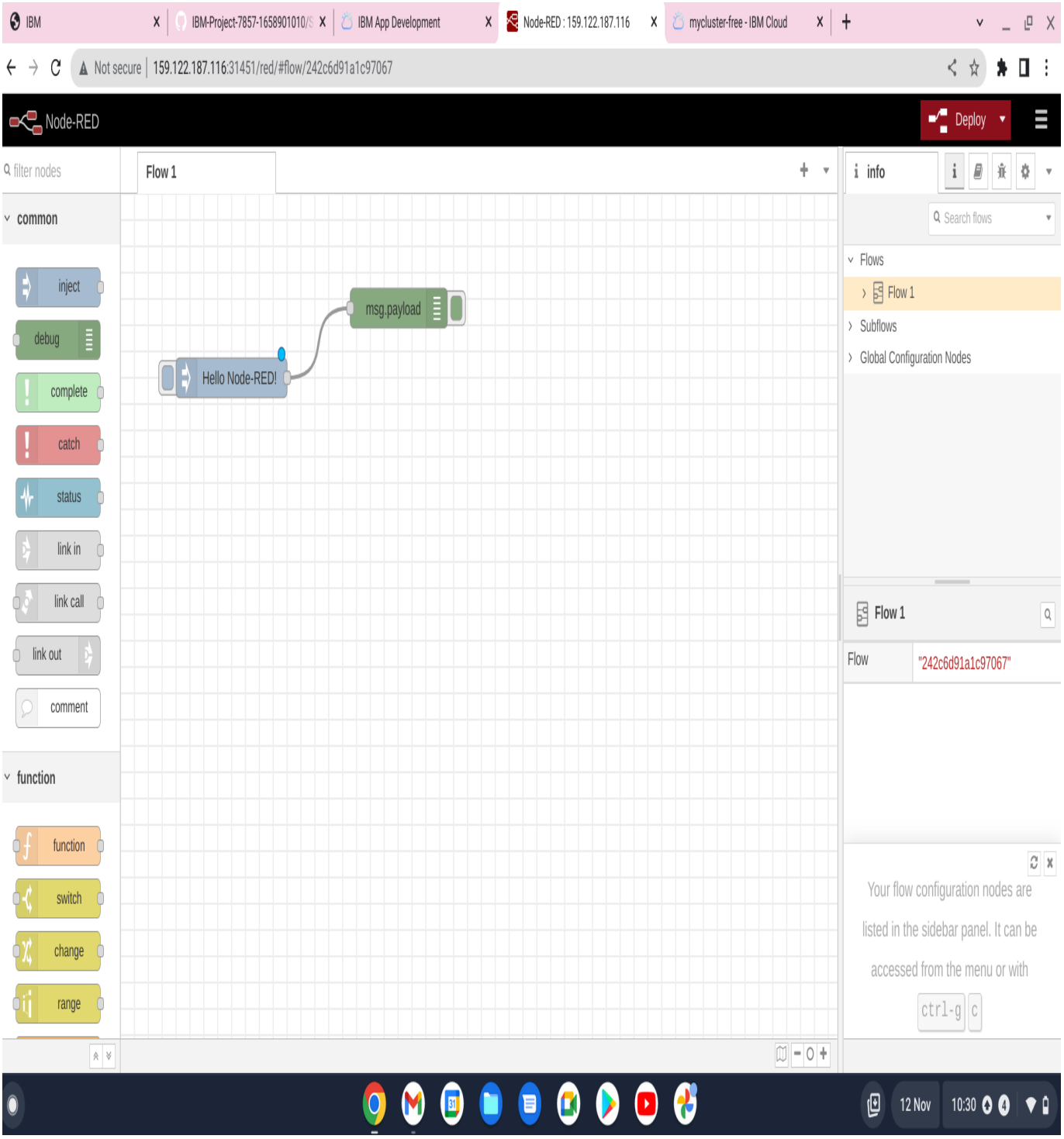
Node-RED
Flow-based programming for the Internet of Things
Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.
More information about Node-RED, including documentation, can be found at nodered.org.
Go to your Node-RED flow editor
Learn how to customise Node-RED
Customising your instance of Node-RED
This instance of Node-RED is enough to get you started creating flows.
You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow
12 Nov
10:29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Node-RED : 159.122.187.116
mycluster-free - IBM Cloud
Not secure
159.122.187.116:31451/red/#flow/242c6d91a1c97067
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
msg.payload
Hello Node-RED!
info
Search flows
Flows
Flow 1
Subflows
Global Configuration Nodes
Flow 1
Flow
"242c6d91a1c97067"
Your flow configuration nodes are listed in the sidebar panel. It can be accessed from the menu or with
ctrl-g c
12 Nov
10:30