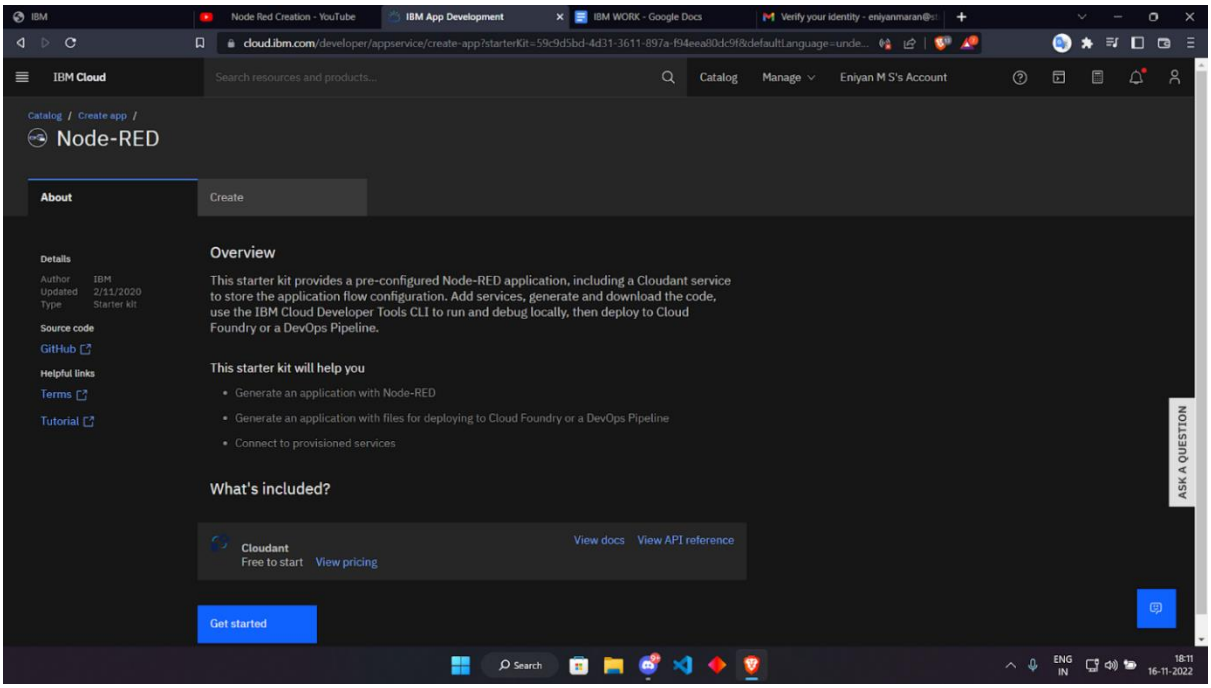
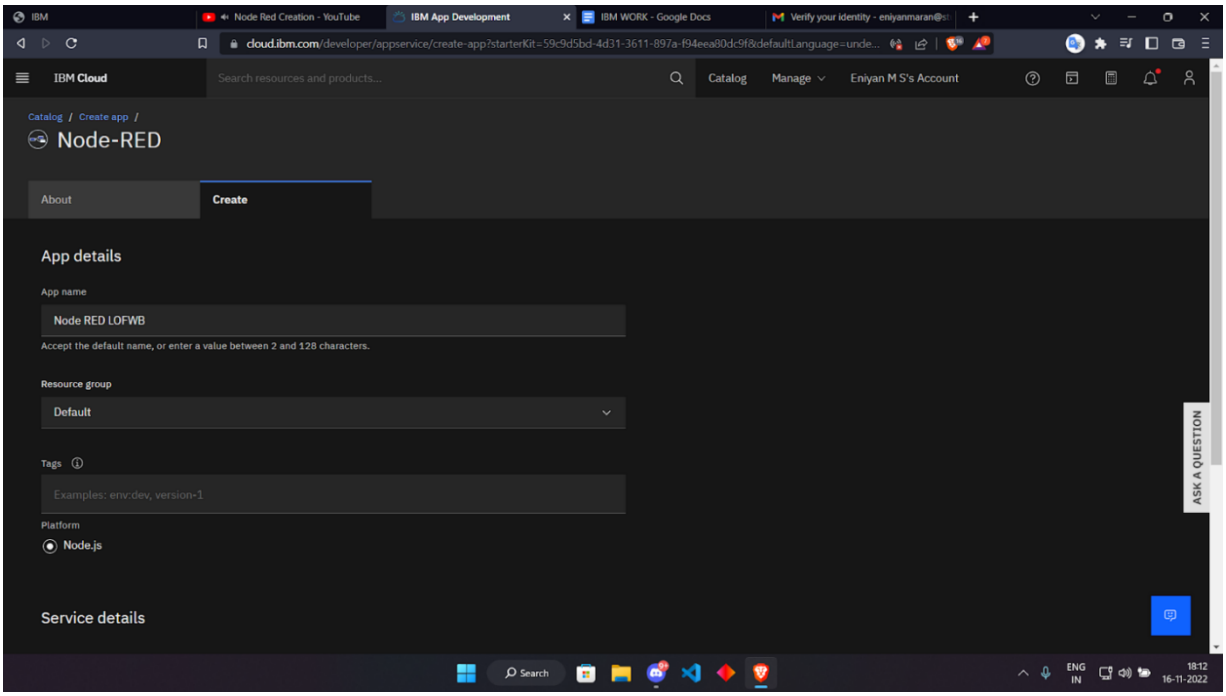
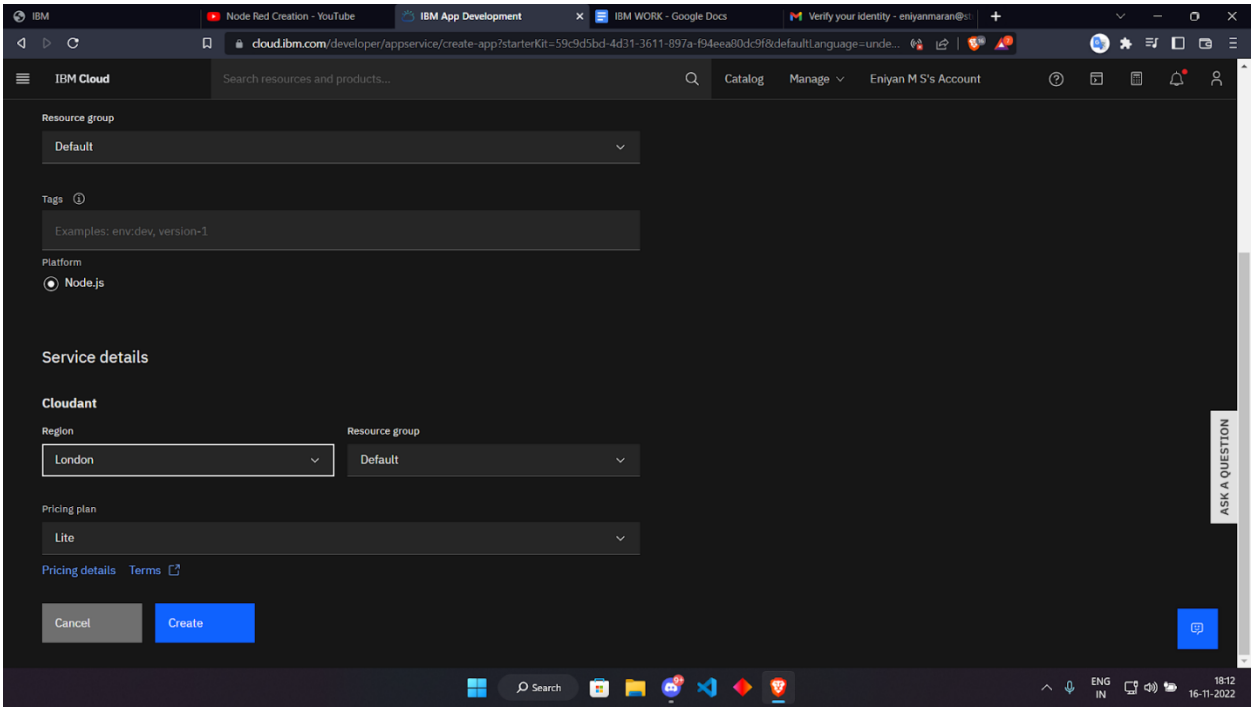
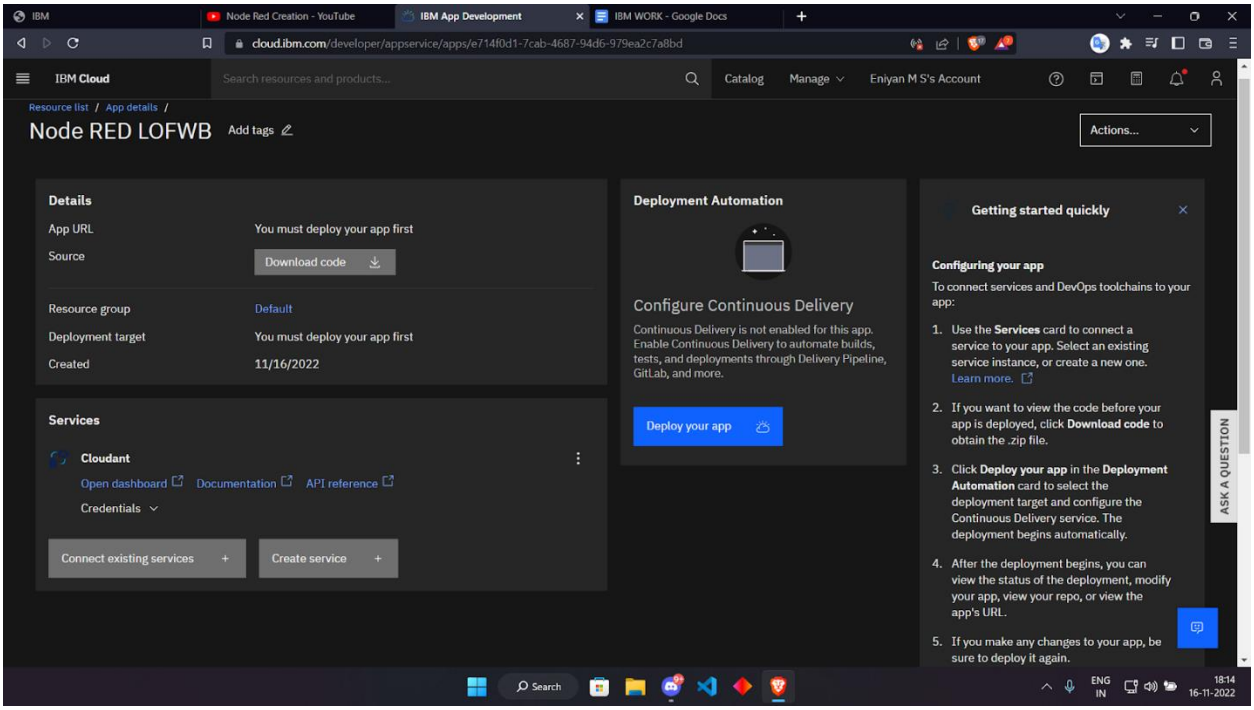
CREATE AND CONFIGURE IBM CLOUD SERVICES
CREATE Node-RED SERVICE

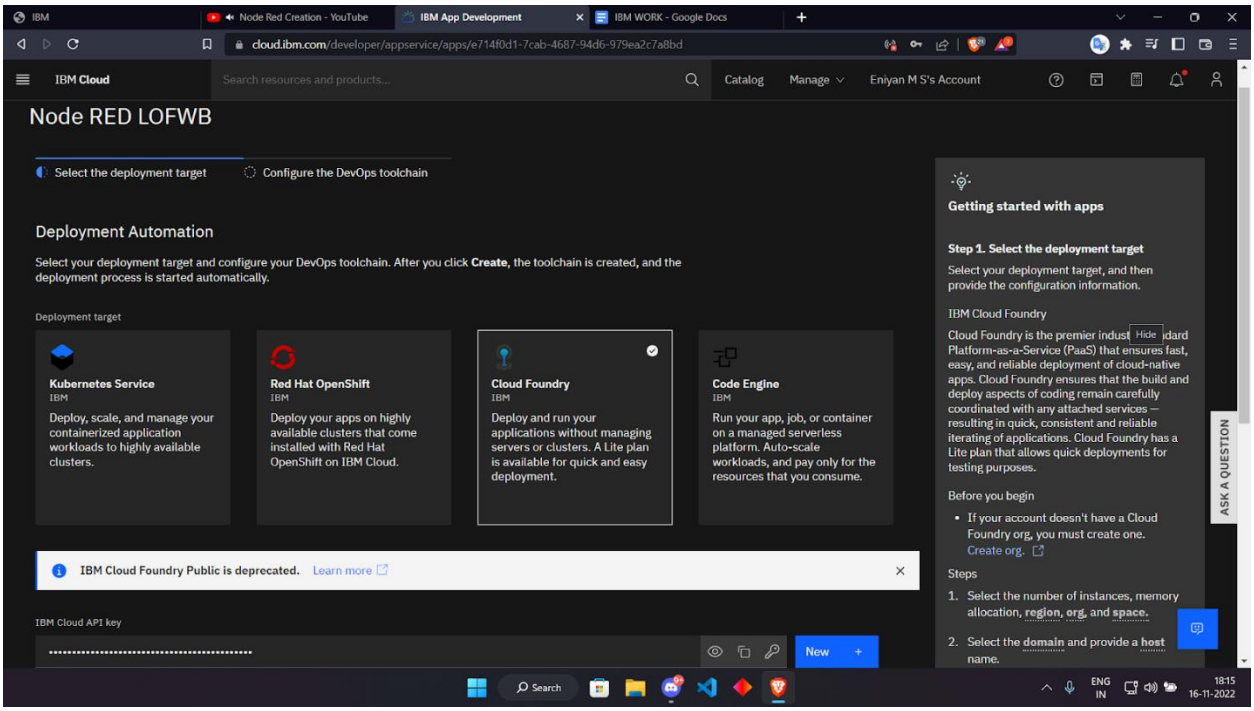
Team ID	PNT2022TMID21482
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

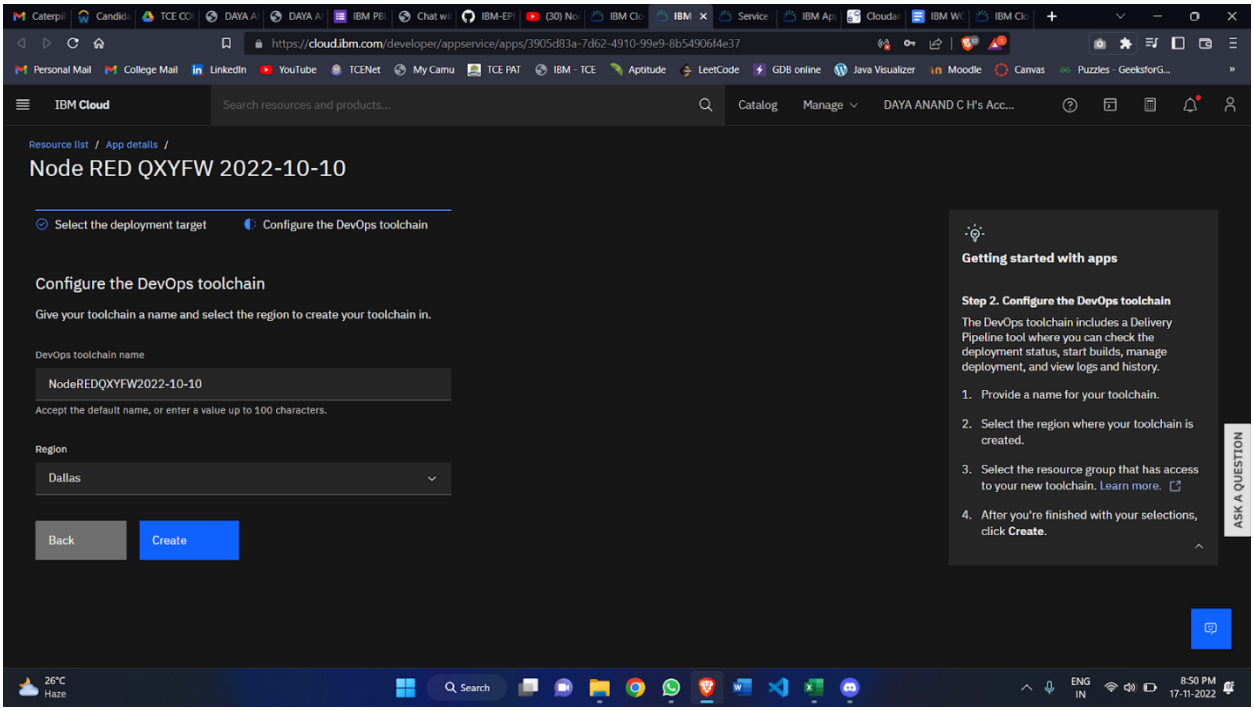


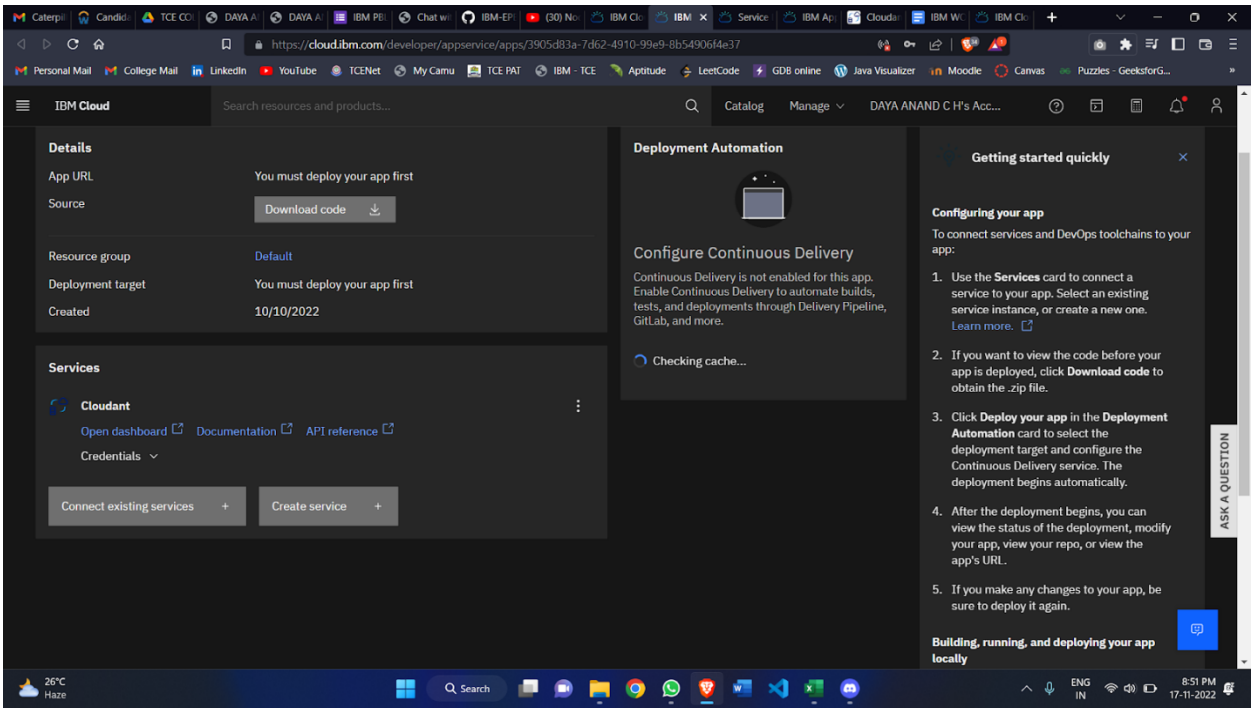



IBM
Node Red Creation - YouTube
IBM App Development
IBM WORK - Google Docs
Verify your identity - eniyanmaran@s
cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=unde...
IBM Cloud
Search resources and products...
Catalog
Manage
Eniyan M S's Account
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
Search
ENG
IN
18:12
16-11-2022


IBM
Node Red Creation - YouTube
IBM App Development
IBM WORK - Google Docs
cloud.ibm.com/developer/appservice/apps/e714f0d1-7cab-4687-94d6-979ea2c7a8bd
IBM Cloud
Search resources and products...
Catalog
Manage
Eniyan M S's Account
Resource list / App details /
Node RED LOFWB
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
Download code
Resource group
Default
Deployment target
You must deploy your app first
Created
11/16/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
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
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
Search
ENG
IN
18:14
16-11-2022


IBM Cloud
Search resources and products...
Catalog
Manage
Eniyan M S's Account
Node RED LOFWB
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
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 Foundry Public is deprecated. Learn more
IBM Cloud API key
New
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.
2. Select the domain and provide a host name.
ASK A QUESTION


IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Resource list / App details /
Node RED QXYFW 2022-10-10
Select the deployment target
Configure the DevOps toolchain
Configure the DevOps toolchain
Give your toolchain a name and select the region to create your toolchain in.
DevOps toolchain name
NodeREDQXYFW2022-10-10
Accept the default name, or enter a value up to 100 characters.
Region
Dallas
Back
Create
Getting started with apps
Step 2. Configure the DevOps toolchain
The DevOps toolchain includes a Delivery Pipeline tool where you can check the deployment status, start builds, manage deployment, and view logs and history.
1. Provide a name for your toolchain.
2. Select the region where your toolchain is created.
3. Select the resource group that has access to your new toolchain. Learn more.
4. After you're finished with your selections, click Create.
ASK A QUESTION


IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Details
App URL
You must deploy your app first
Source
Download code
Resource group
Default
Deployment target
You must deploy your app first
Created
10/10/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
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.
Checking cache...
Getting started quickly
Configuring your app
To connect services and DevOps toolchains to your app:
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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.
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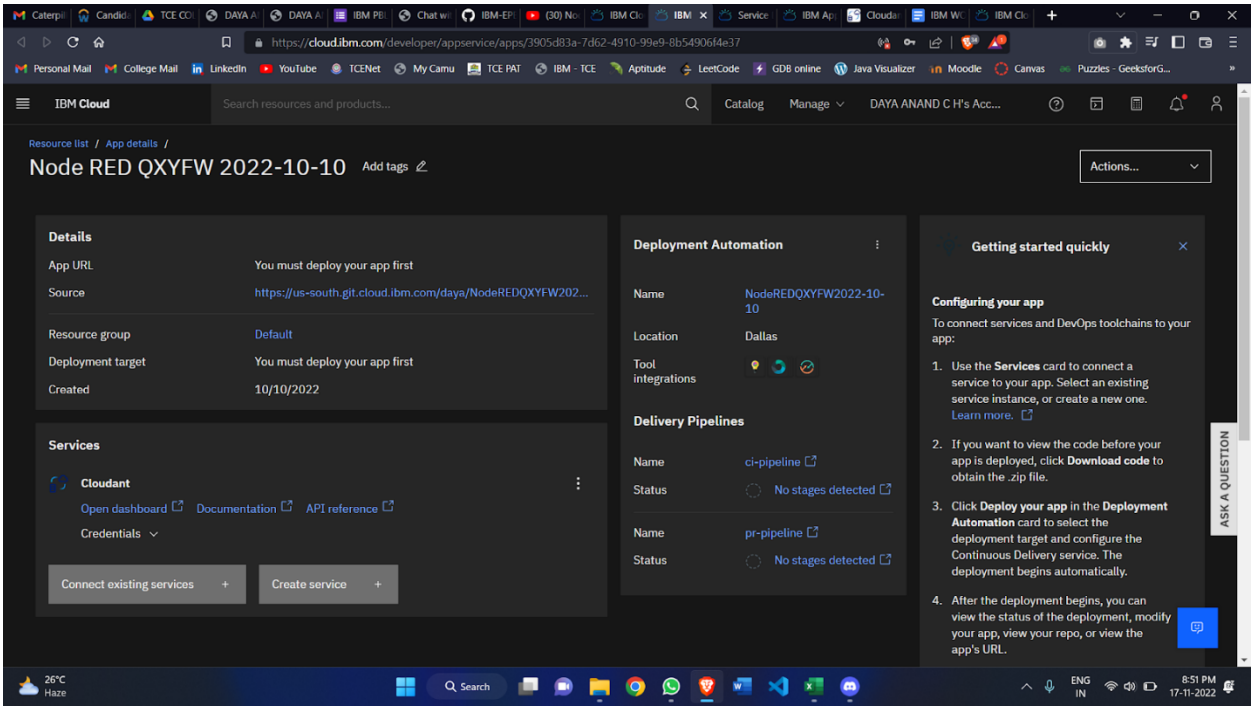
Building, running, and deploying your app locally
ASK A QUESTION


IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Resource list / App details /
Node RED QXYFW 2022-10-10
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...
Resource group
Default
Deployment target
You must deploy your app first
Created
10/10/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
Deployment Automation
Name
NodeREDQXYFW2022-10-10
Location
Dallas
Tool integrations
Delivery Pipelines
Name
ci-pipeline
Status
No stages detected
Name
pr-pipeline
Status
No stages detected
Getting started quickly
Configuring your app
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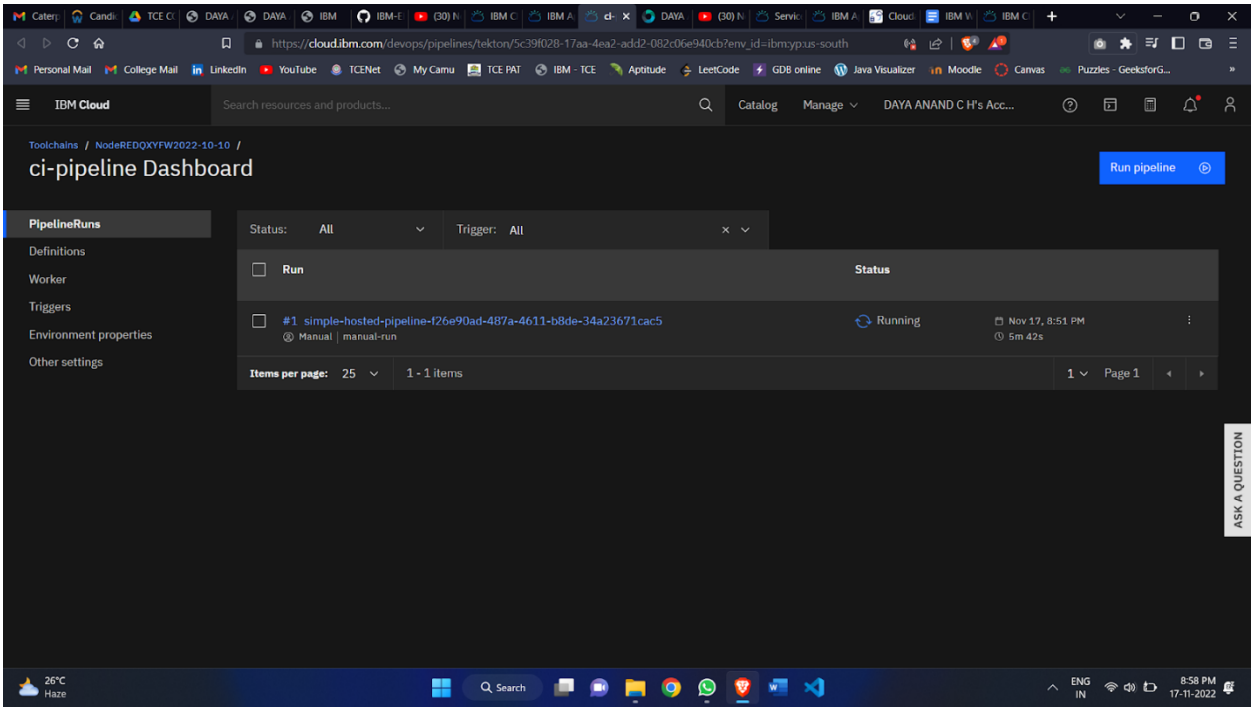
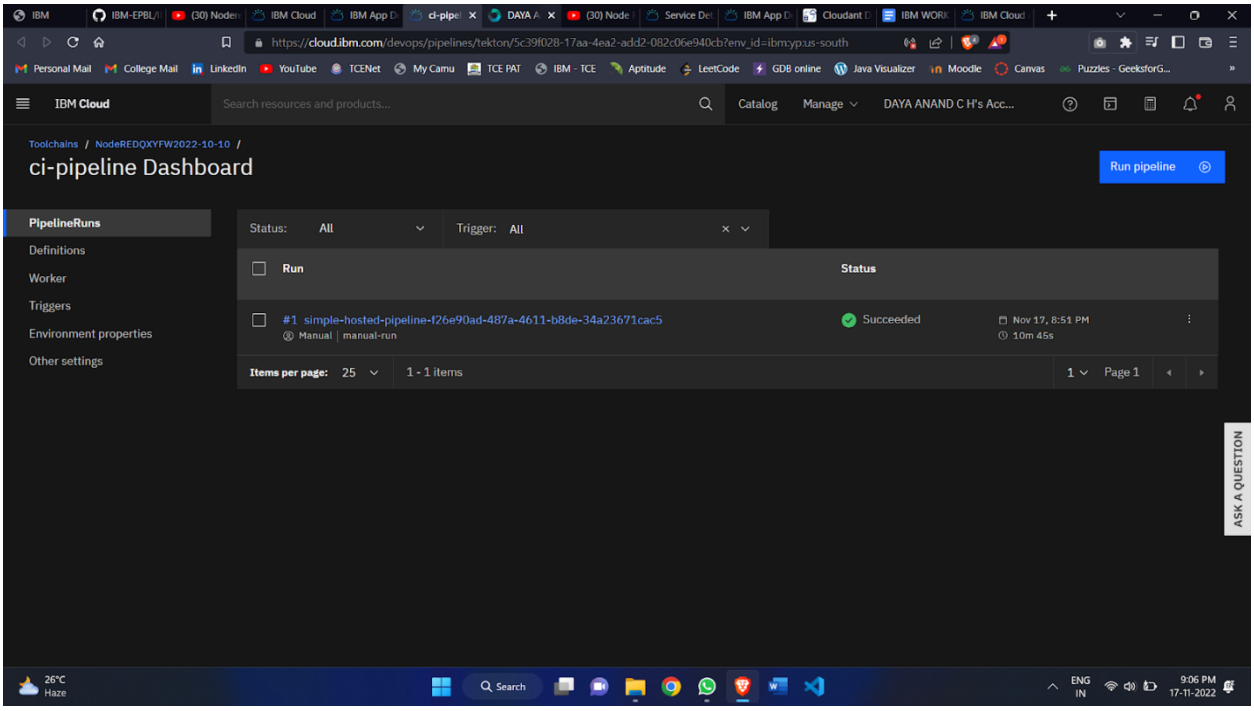

IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Toolchains / NodeREDQXYFW2022-10-10 /
ci-pipeline Dashboard
Run pipeline
PipelineRuns
Definitions
Worker
Triggers
Environment properties
Other settings
Status: All
Trigger: All
Run
Status
#1 simple-hosted-pipeline-f26e90ad-487a-4611-b8de-34a23671cac5
Manual | manual-run
Running
Nov 17, 8:51 PM
5m 42s
Items per page: 25
1 - 1 items
1
Page 1
ASK A QUESTION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Manage
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Toolchains / NodeREDQXYFW2022-10-10 /
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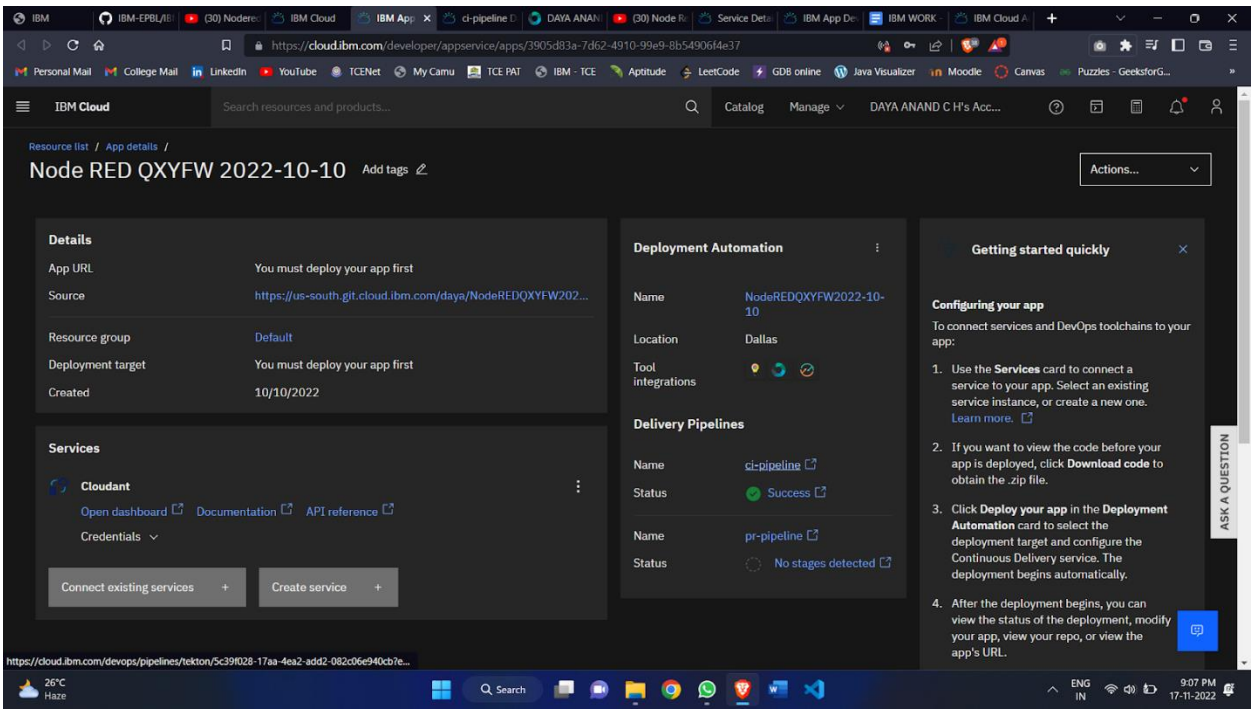
Run pipeline
PipelineRuns
Definitions
Worker
Triggers
Environment properties
Other settings
Status: All
Trigger: All
Run
Status
#1 simple-hosted-pipeline-f26e90ad-487a-4611-b8de-34a23671cac5
Manual | manual-run
Succeeded
Nov 17, 8:51 PM
10m 45s
Items per page: 25
1 - 1 items
1
Page 1
ASK A QUESTION


IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Resource list / App details /
Node RED QXYFW 2022-10-10
Add tags
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https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...
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Create service
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Name
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Location
Dallas
Tool integrations
Delivery Pipelines
Name
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Status
Success
Name
pr-pipeline
Status
No stages detected
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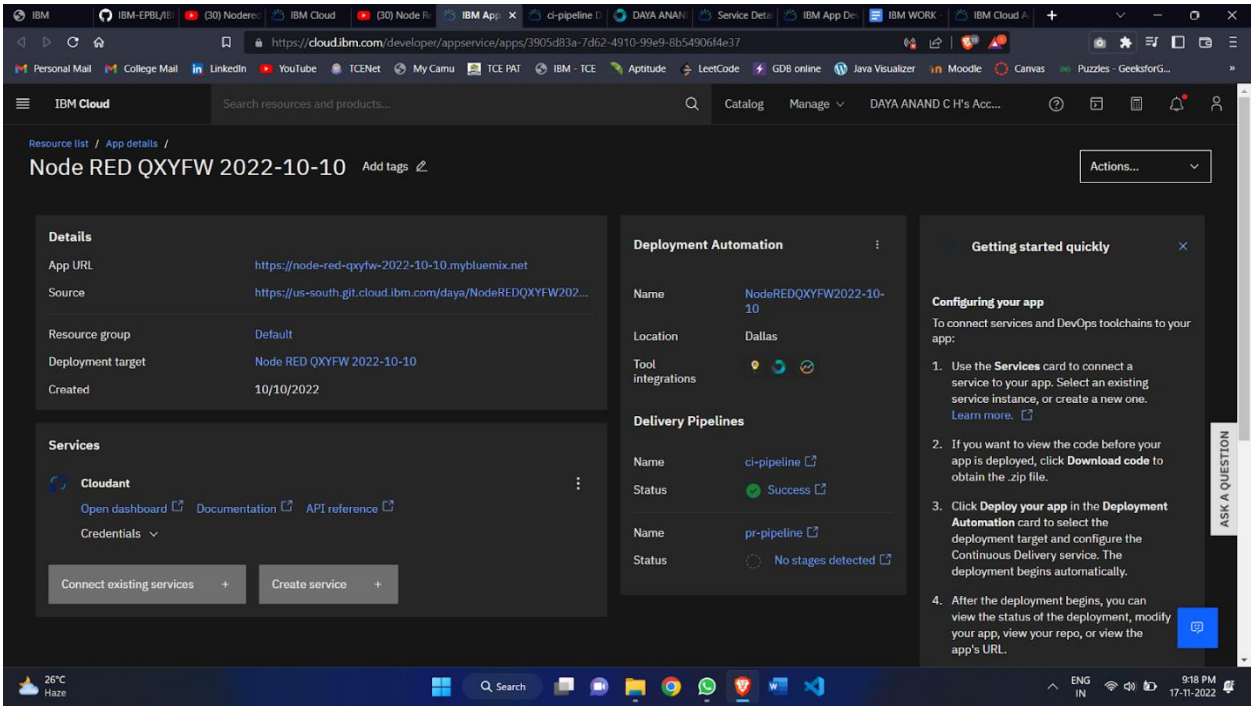
ASK A QUESTION
https://cloud.ibm.com/devops/pipelines/tekton/5c39f028-17aa-4ea2-add2-082c06e940cb?e...
26°C Haze
Search
ENG IN
9:07 PM 17-11-2022


IBM Cloud
Search resources and products...
Catalog
Manage
DAYA ANAND C H's Acc...
Resource list / App details /
Node RED QXYFW 2022-10-10
Add tags
Actions...
Details
App URL
https://node-red-qxyfw-2022-10-10.mybluemix.net
Source
https://us-south.git.cloud.ibm.com/daya/NodeREDQXYFW202...
Resource group
Default
Deployment target
Node RED QXYFW 2022-10-10
Created
10/10/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
Deployment Automation
Name
NodeREDQXYFW2022-10-10
Location
Dallas
Tool integrations
Delivery Pipelines
Name
ci-pipeline
Status
Success
Name
pr-pipeline
Status
No stages detected
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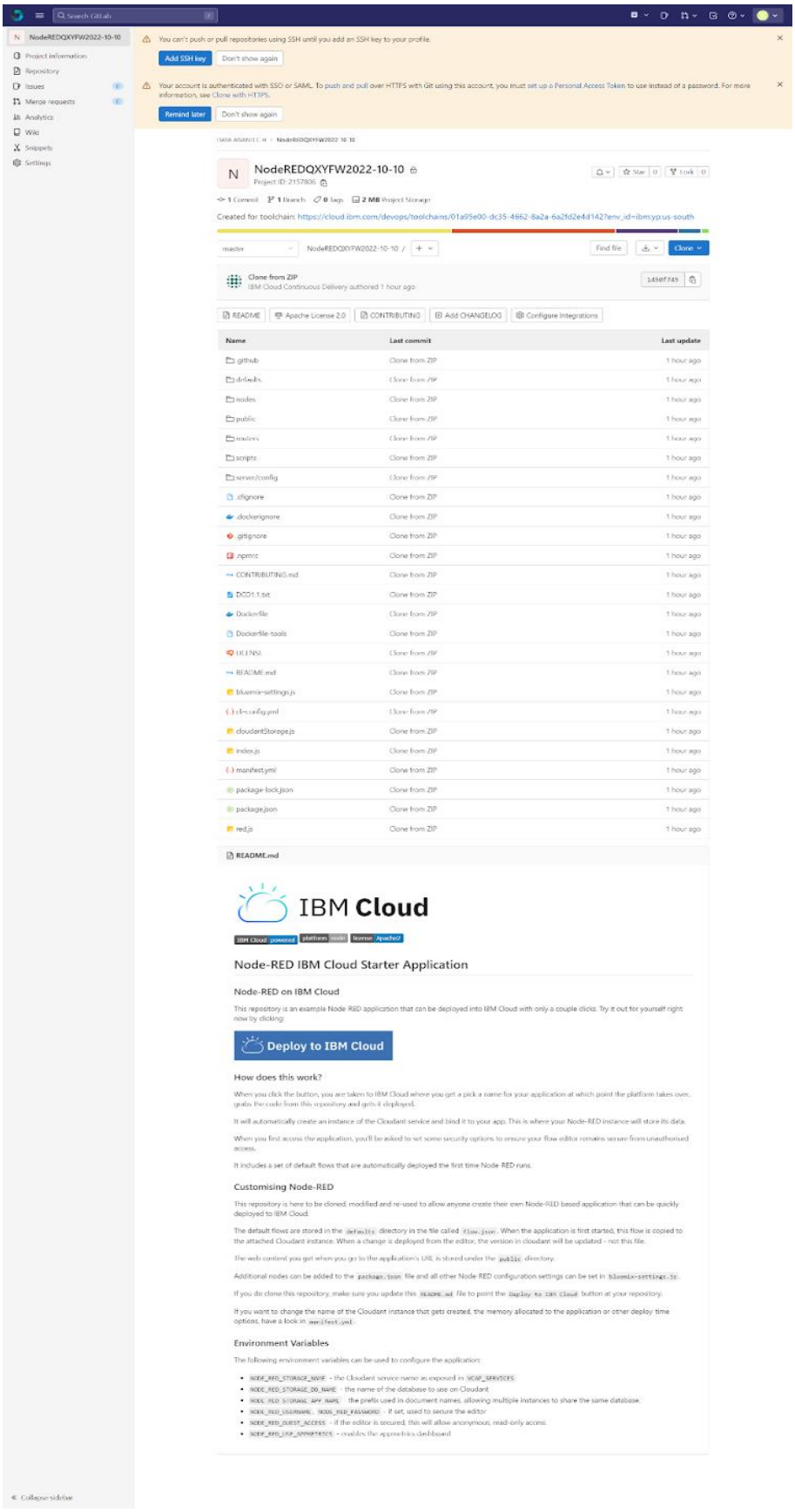
ASK A QUESTION
26°C Haze
Search
ENG IN
9:18 PM 17-11-2022



NodeREDQXYFW2022-10-10

Project ID: 2157806

Created for toolchain: https://cloud.ibm.com/devops/toolchains/01a95e00-dc35-4662-8a2a-6a2fd2e4d142?env_id=ibm:yp:us-south

Clone from ZIP
IBM Cloud Continuous Delivery authored 1 hour ago

Name	Last commit	Last update
github	Clone from ZIP	1 hour ago
defaults	Clone from ZIP	1 hour ago
nodes	Clone from ZIP	1 hour ago
public	Clone from ZIP	1 hour ago
routes	Clone from ZIP	1 hour ago
scripts	Clone from ZIP	1 hour ago
server/config	Clone from ZIP	1 hour ago
.cfignore	Clone from ZIP	1 hour ago
.dockerignore	Clone from ZIP	1 hour ago
.gitignore	Clone from ZIP	1 hour ago
.npmrc	Clone from ZIP	1 hour ago
CONTRIBUTING.md	Clone from ZIP	1 hour ago
DCO1.1.txt	Clone from ZIP	1 hour ago
Dockerfile	Clone from ZIP	1 hour ago
Dockerfile-tools	Clone from ZIP	1 hour ago
LICENSE	Clone from ZIP	1 hour ago
README.md	Clone from ZIP	1 hour ago
bluemix-settings.js	Clone from ZIP	1 hour ago
cli-config.yml	Clone from ZIP	1 hour ago
cloudantStorage.js	Clone from ZIP	1 hour ago
index.js	Clone from ZIP	1 hour ago
manifest.yml	Clone from ZIP	1 hour ago
package-lock.json	Clone from ZIP	1 hour ago
package.json	Clone from ZIP	1 hour ago
red.js	Clone from ZIP	1 hour ago

README.md

IBM Cloud

Node-RED IBM Cloud Starter Application

Node-RED on IBM Cloud

This repository is an example Node-RED application that can be deployed into IBM Cloud with only a couple clicks. Try it out for yourself right now by clicking:

Deploy to IBM Cloud

How does this work?

When you click the button, you are taken to IBM Cloud where you get a pick a name for your application at which point the platform takes over, grabs the code from this repository and gets it deployed.

It will automatically create an instance of the Cloudant service and bind it to your app. This is where your Node-RED instance will store its data.

When you first access the application, you'll be asked to set some security options to ensure your flow editor remains secure from unauthorised access.

It includes a set of default flows that are automatically deployed the first time Node-RED runs.

Customising Node-RED

This repository is here to be cloned, modified and re-used to allow anyone create their own Node-RED based application that can be quickly deployed to IBM Cloud.

The default flows are stored in the `defaults` directory in the file called `flow.json`. When the application is first started, this flow is copied to the attached Cloudant instance. When a change is deployed from the editor, the version in cloudant will be updated - not this file.

The web content you get when you go to the application's URL is stored under the `public` directory.

Additional nodes can be added to the `package.json` file and all other Node-RED configuration settings can be set in `bluemix-settings.js`.

If you do clone this repository, make sure you update this `README.md` file to point the `Deploy to IBM Cloud` button at your repository.

If you want to change the name of the Cloudant instance that gets created, the memory allocated to the application or other deploy time option, have a look in `manifest.yml`.

Environment Variables

The following environment variables can be used to configure the application:

- `NODE_RED_STORAGE_NAME` - the Cloudant service name as exposed in `VCAP_SERVICES`
- `NODE_RED_STORAGE_DB_NAME` - the name of the database to use on Cloudant
- `NODE_RED_STORAGE_APP_NAME` - the prefix used in document names, allowing multiple instances to share the same database.
- `NODE_RED_USERNAME`, `NODE_RED_PASSWORD` - if set, used to secure the editor
- `NODE_RED_GUEST_ACCESS` - if the editor is secured, this will allow anonymous, read-only access.
- `NODE_RED_USE_APPMETRICS` - enables the appmetrics dashboard