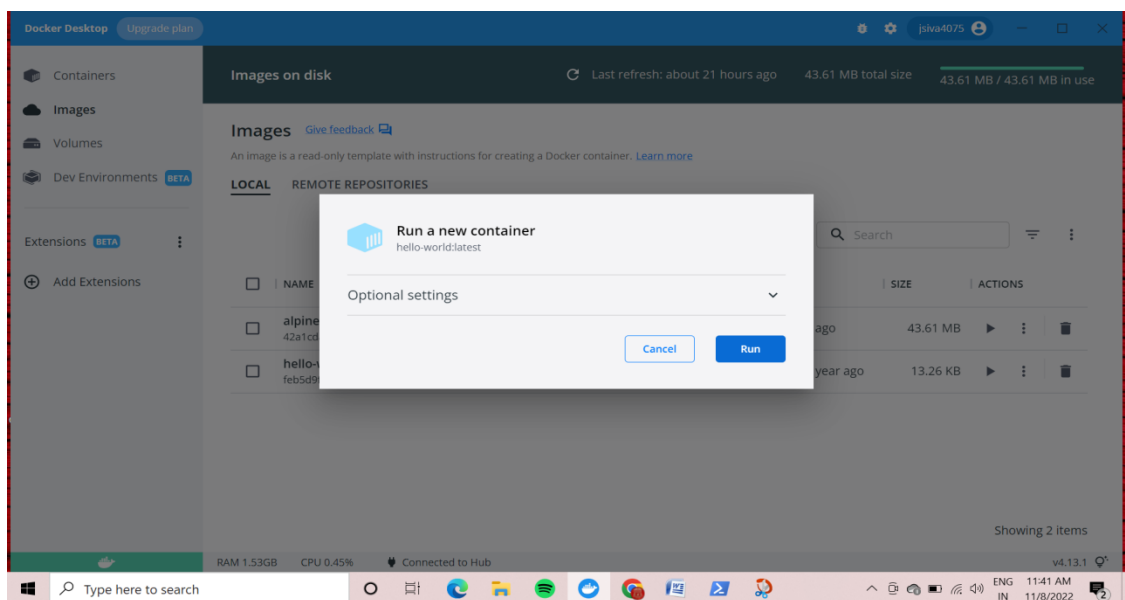
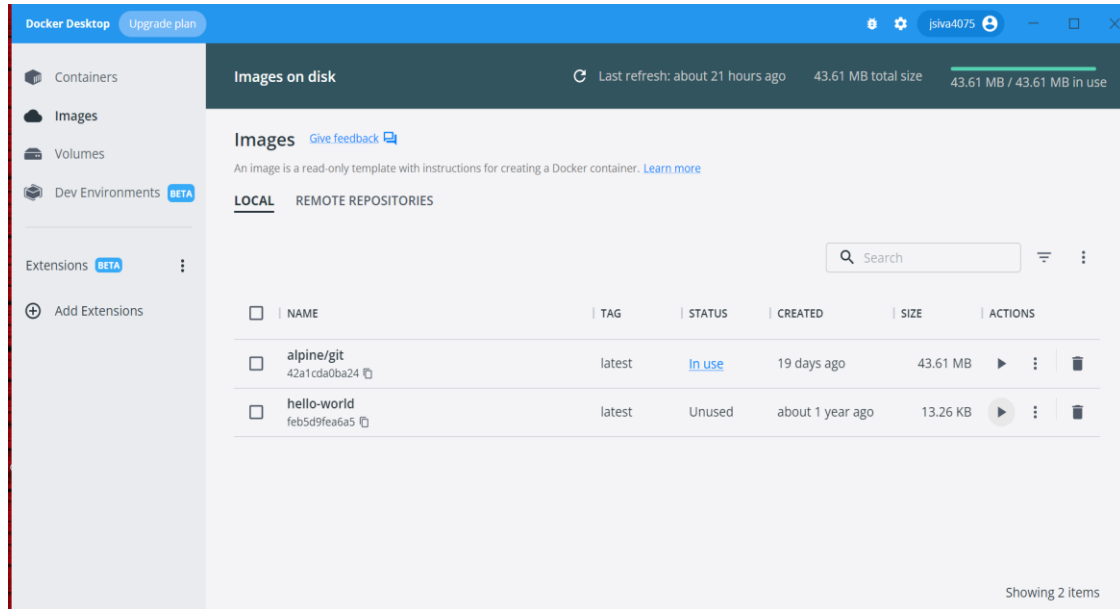
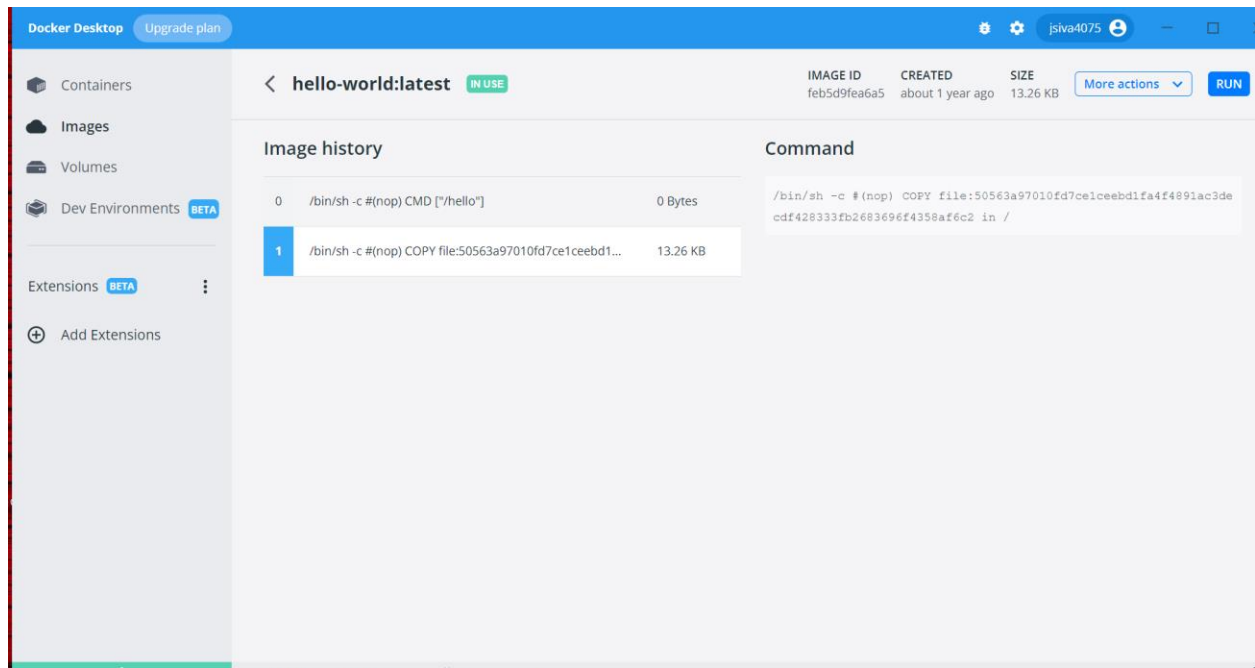


1. Pull an image from docker hub and run it in docker playground

```
PS C:\Users\admin> docker pull hello-world
Using default tag: latest
Error response from daemon: Get "https://registry-1.docker.io/v2/": dialing registry-1.docker.io:443 no HTTPS proxy: no such host
PS C:\Users\admin> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Users\admin>
```





2.Create a docker file for the job portal application and deploy it in Docker desktop application

FROM helloworld:sk

WORKDIR~/Desktop/

ADD.helloworld/

WORKDIR~/Desktop/IBMproj

RUN pip install -r requirements

RUN chmod +x app.sh

CMD ["/bin/sh","app.sh"]

3. Create a IBM container registry and deploy helloworld app or job portal app

```
PS C:\WINDOWS\system32> docker tag hello-world icr.io/67890ns/hello-world
PS C:\WINDOWS\system32> docker push icr.io/67890ns/hello-world
Using default tag: latest
The push refers to repository [icr.io/67890ns/hello-world]
e07ee1baac5f: Mounted from 54321ns/hello-world
latest: digest: sha256:f54a58bc1aac5eala25d796ae155dc228b3f0e11d046ae276b39c4bf2f13d8c4 size: 525
PS C:\WINDOWS\system32> ibmcloud cr image-list
Listing images...
```

4. Create a Kubernetes cluster in IBM cloud and deploy helloworld images or job portal image and also expose the same app to run in nodeport.

Clusters / mycluster-Thulasiram

Help

Kubernetes dashboard

Actions...

Preparing master, workers... Expires in 30 days Add tags

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	00000076	Normal	default	Milan 01	10.144.186.211	159.122.174.214	1.24.7_1543

Items per page: 25

1-1 of 1 item

1 1 of 1 page

Clusters / mycluster-Thulasiram

Help

Kubernetes dashboard

Actions...

Normal Expires in 30 days Add tags

Overview

Worker nodes

Worker pools

DevOps New

Pool: Filter...

Search

Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input checked="" type="checkbox"/>	00000076	Normal	default	Milan 01	10.144.186.211	159.122.174.214	1.24.7_1543

ID

kube-cdl2jnvf0jps0mg0pp0-myclusterth-default-00000076

Status

Flavor

Free - 2 vCPUs 4GB RAM

Private VLAN

2218181

Public VLAN

2218179

Items per page: 25

1-1 of 1 item

1 1 of 1 page