Project Development Phase

Delivery of Sprint - 4

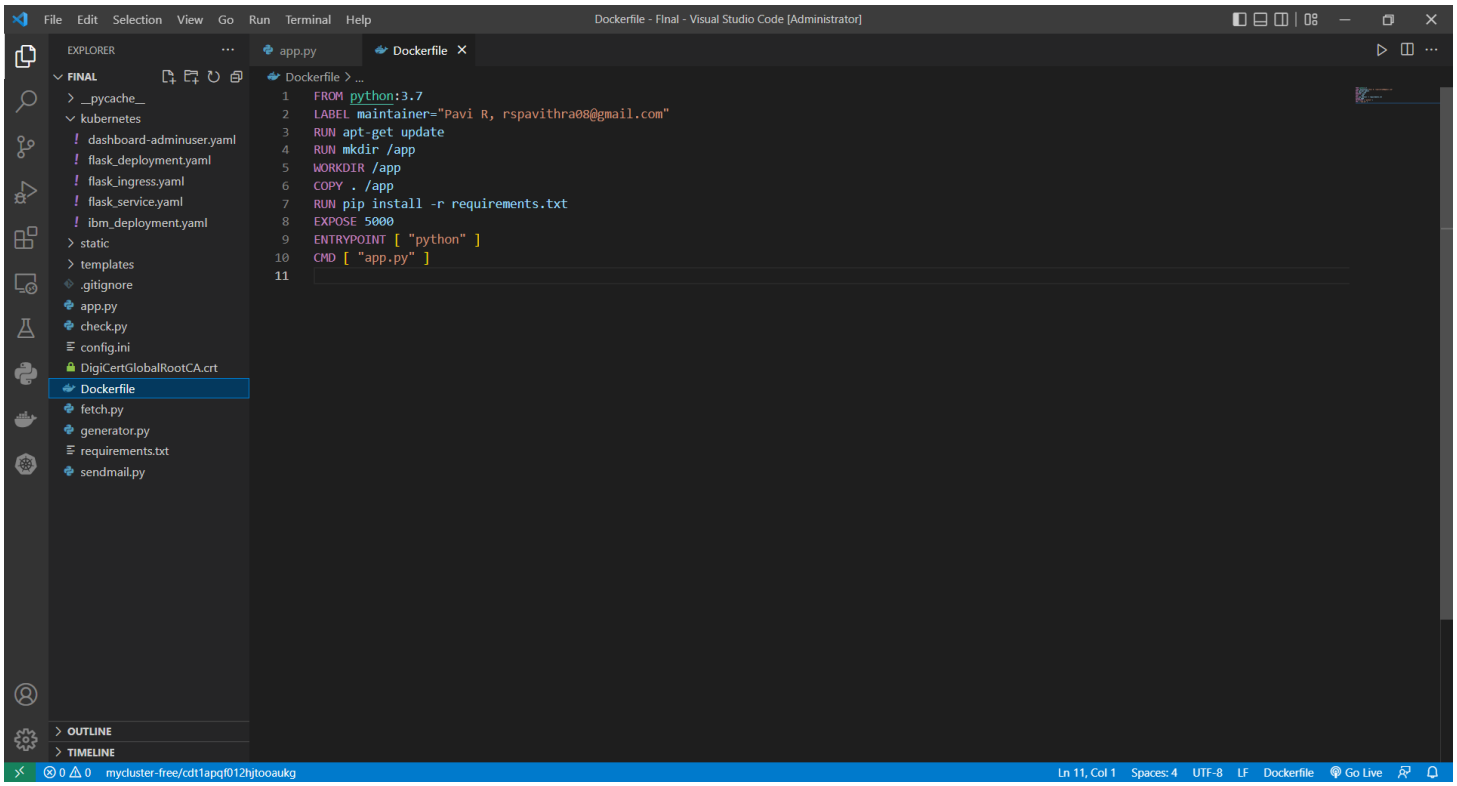
Team ID	PNT2022TMID26969
Project Name	Plasma Donor Application
Sprint	4

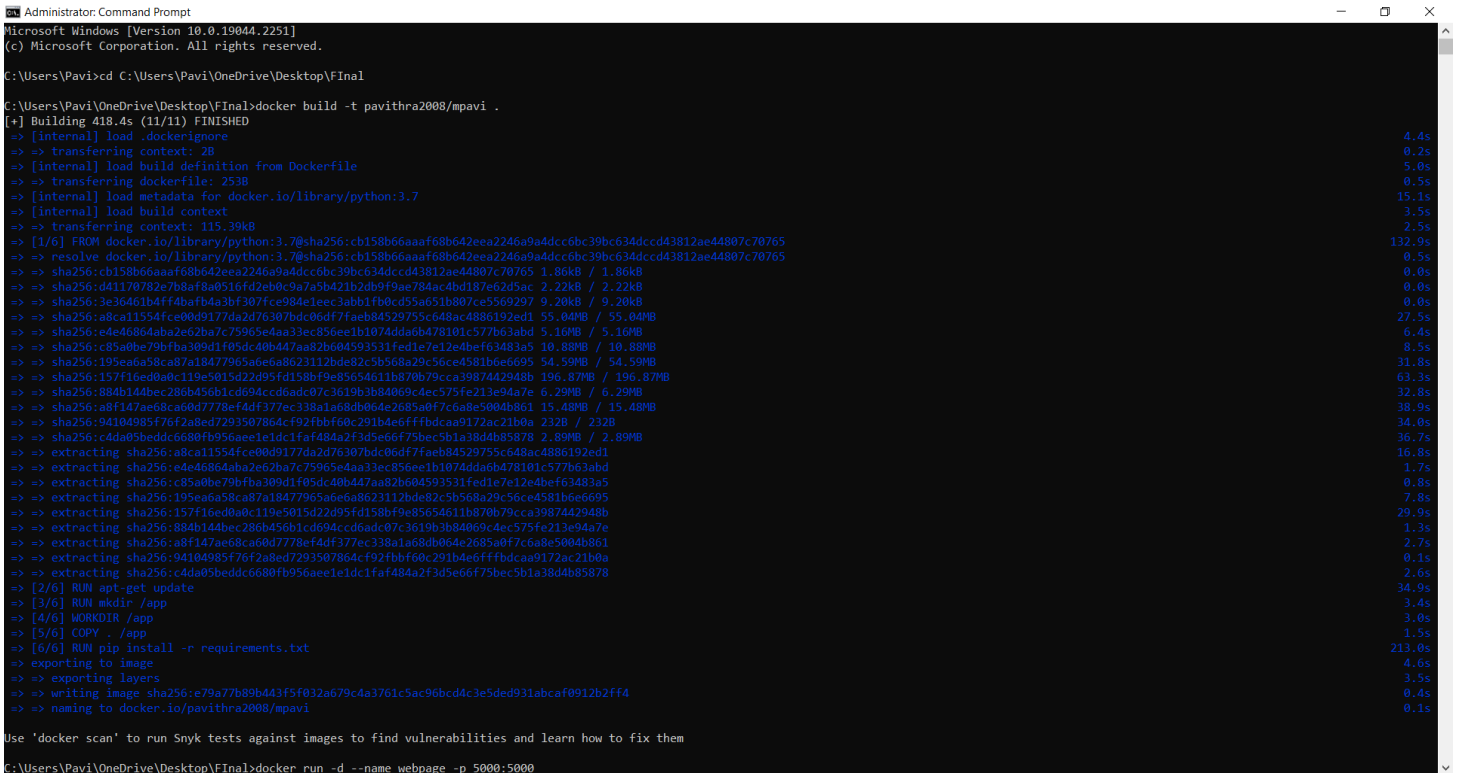
TEAM MEMBERS

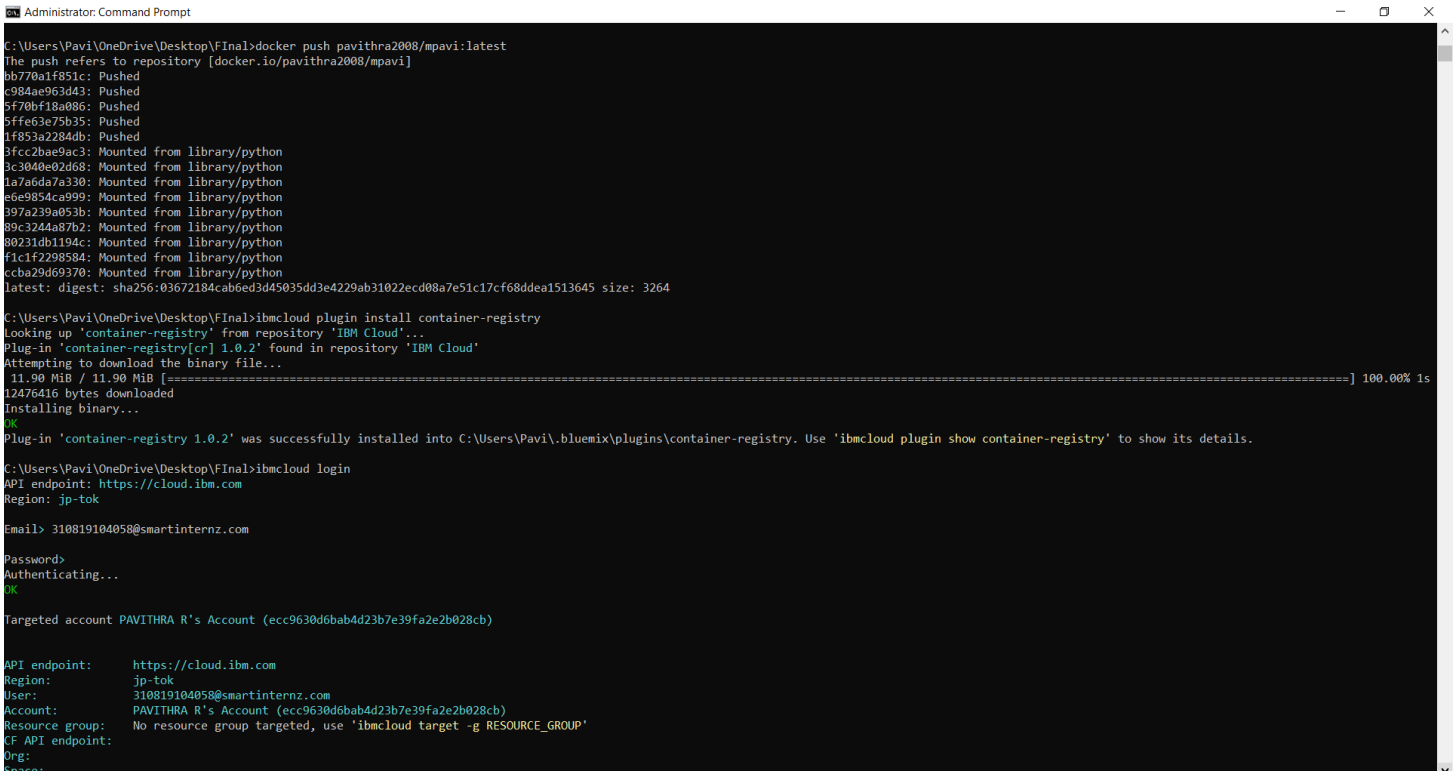
ROLE	**NAME**
TEAM LEADER	PAVITHR.R
TEAM MEMBER 1	SHALINI.R
TEAM MEMBER 2	SUWETHA.B
TEAM MEMBER 3	SWATHI.K

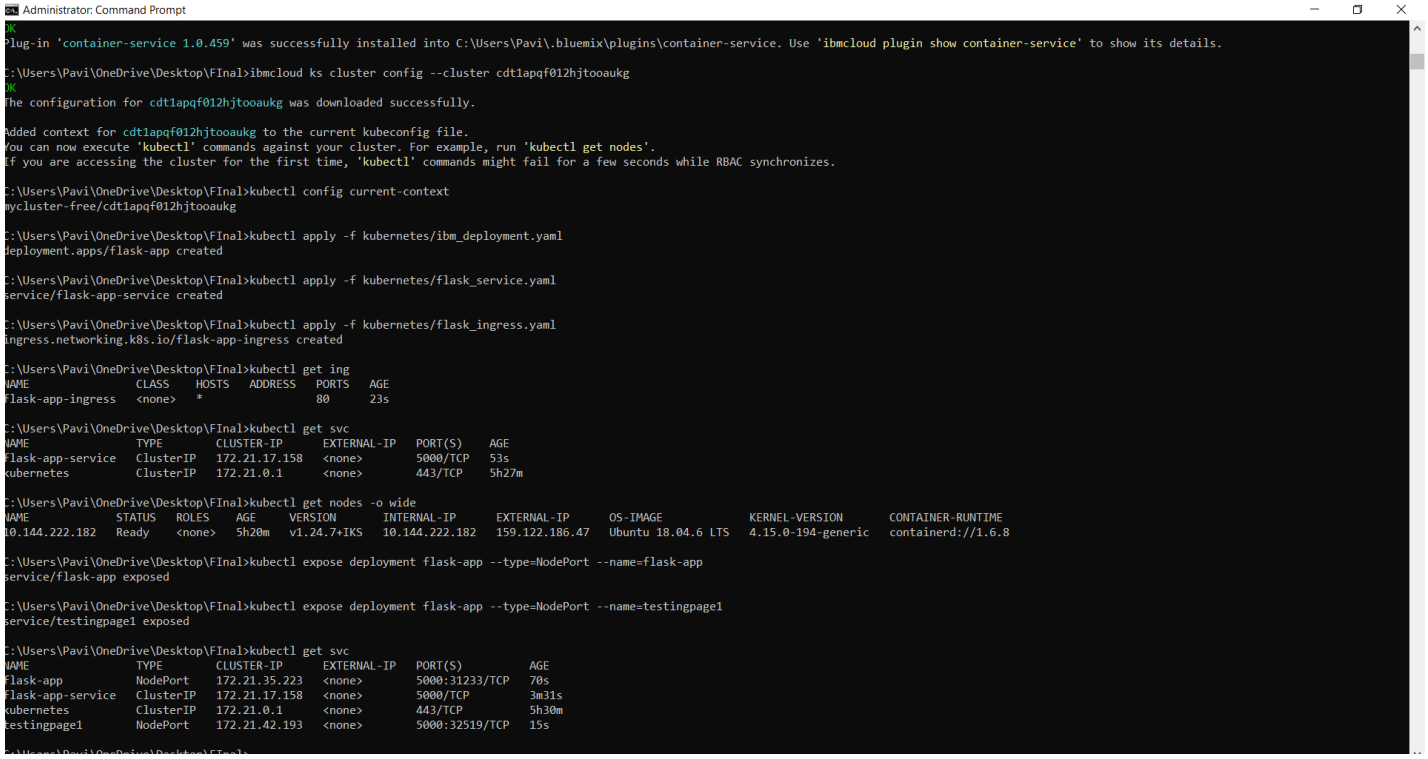
Progress 1

Building the Docker Image using the Docker file for Containerize the application



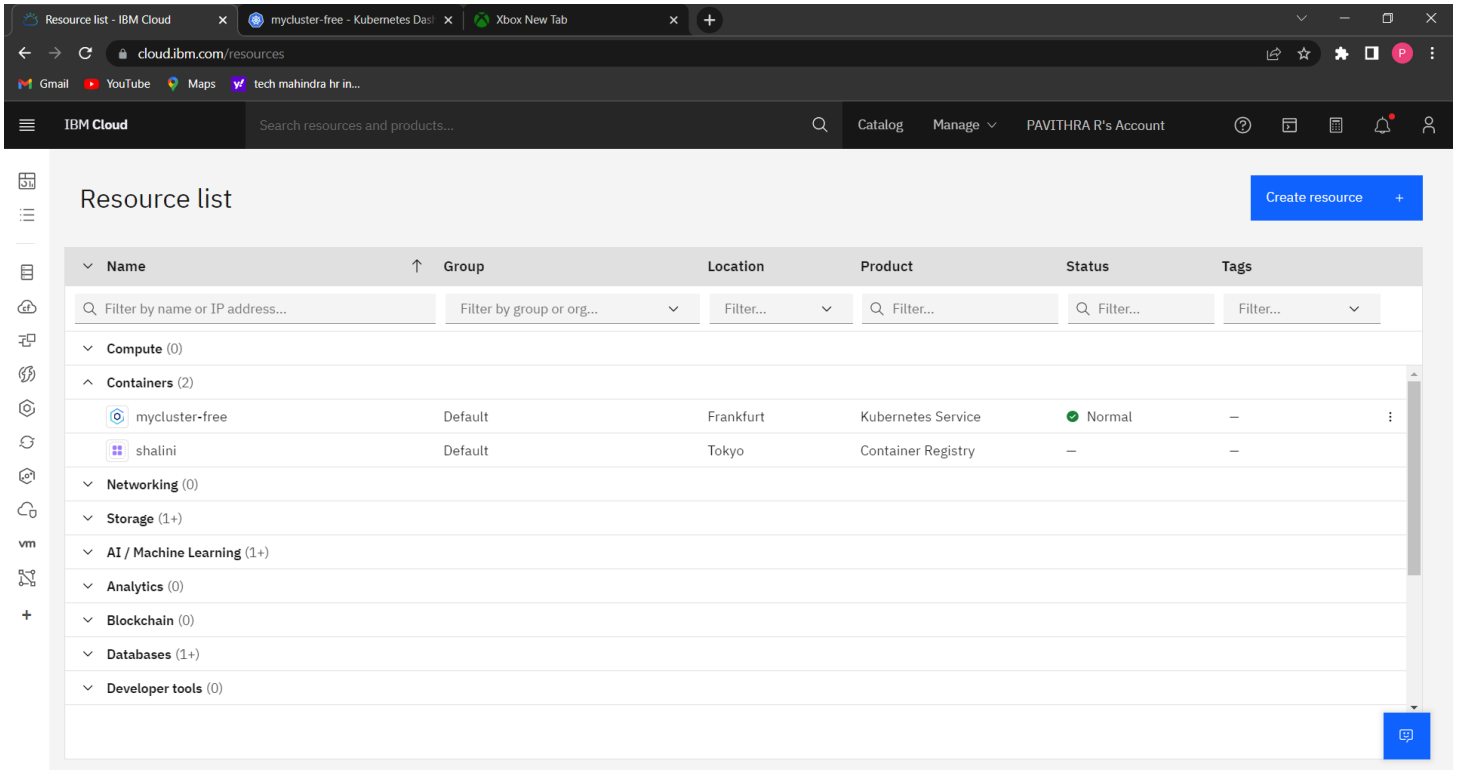


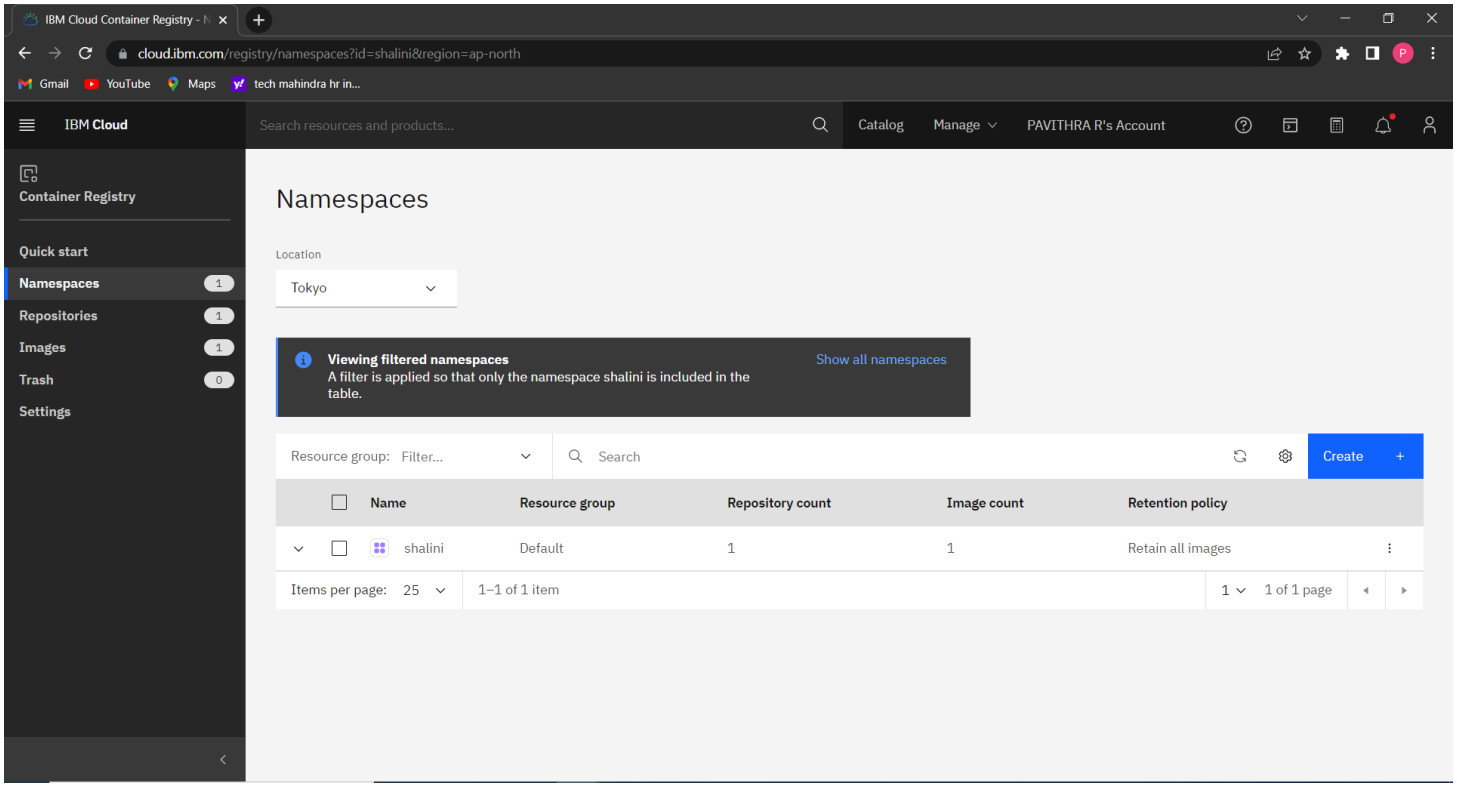


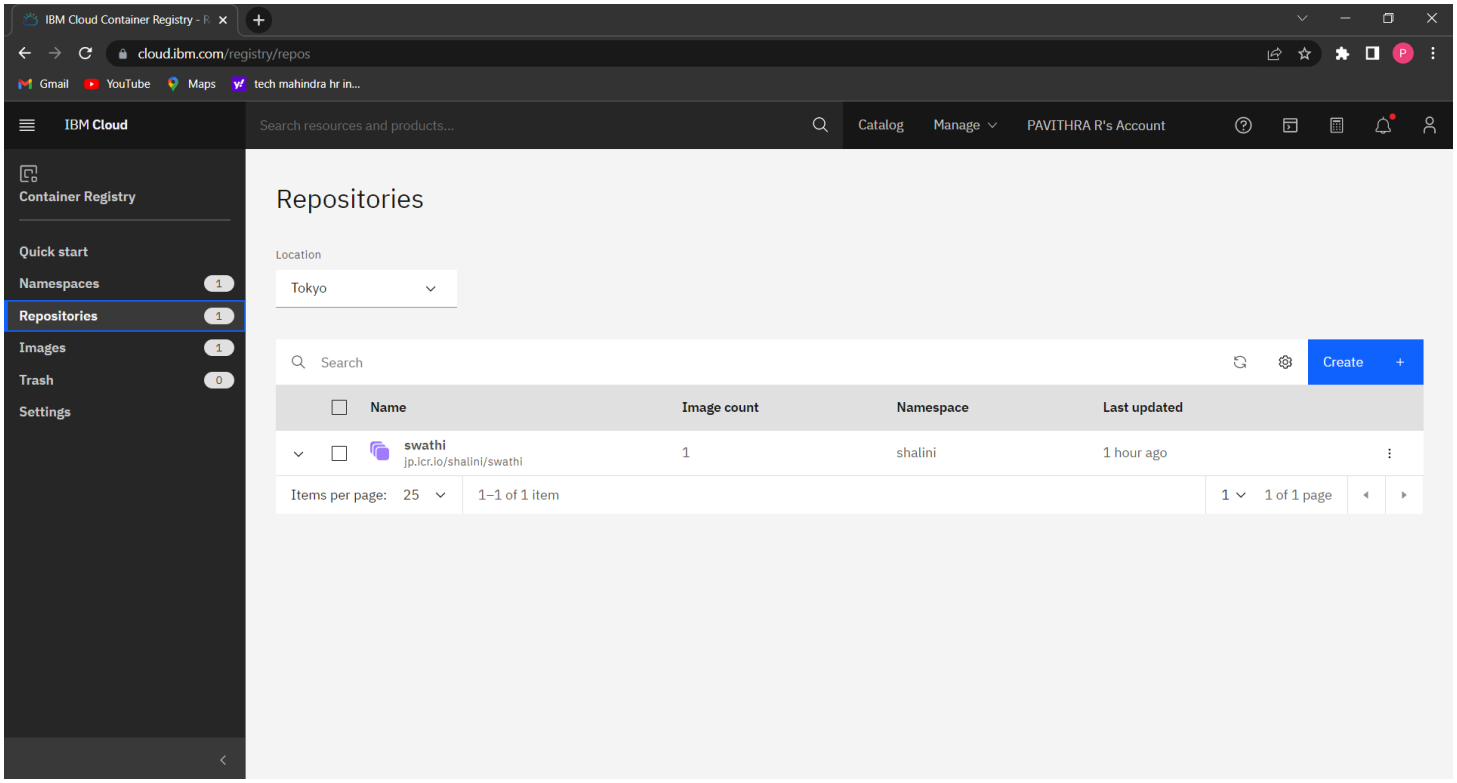


Progress 2

Uploading the Image to the IBM Container registry.

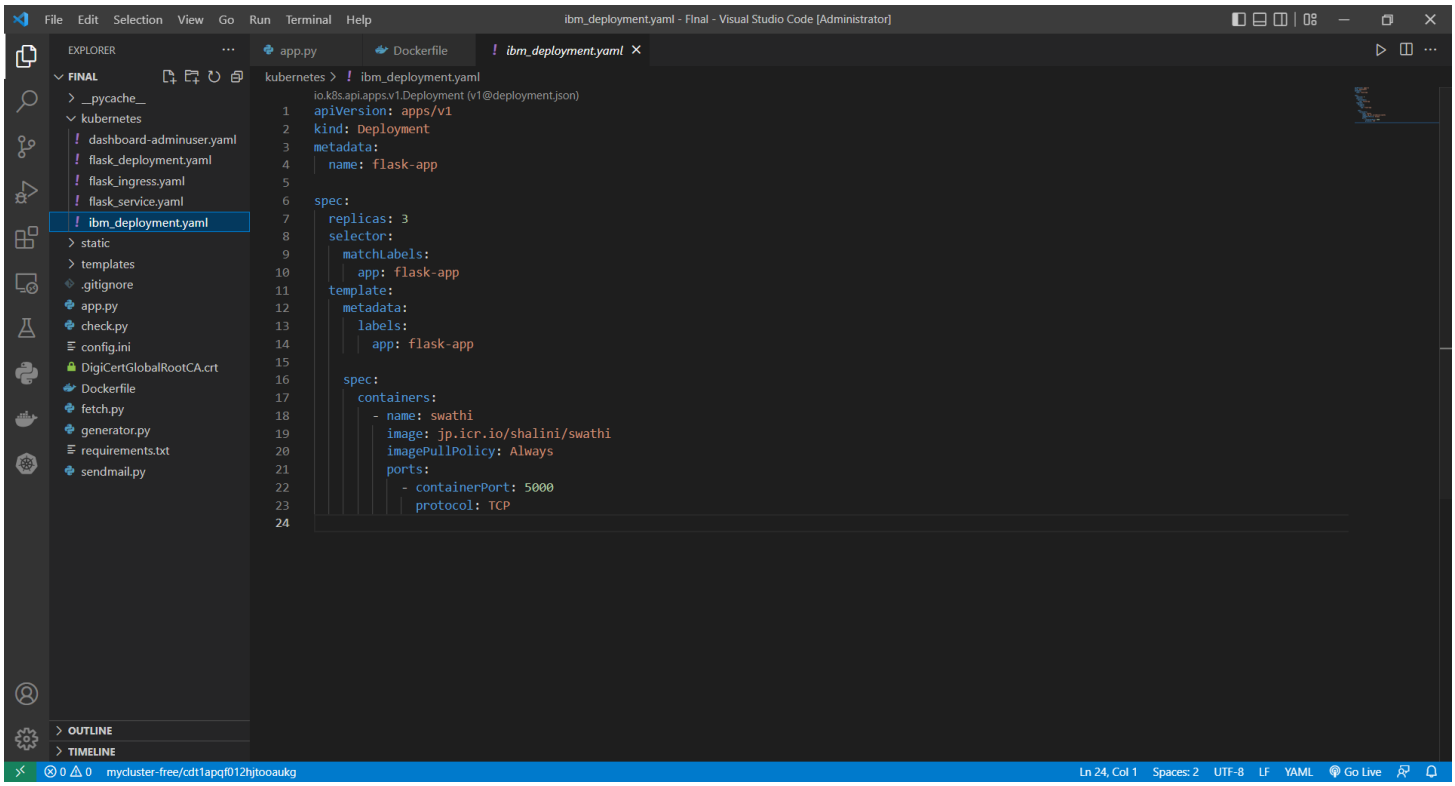

Resource list - IBM Cloud
mycluster-free - Kubernetes Das
Xbox New Tab
cloud.ibm.com/resources
Gmail
YouTube
Maps
tech mahindra hr in...
IBM Cloud
Search resources and products...
Catalog
Manage
PAVITHRA R's Account
Resource list
Create resource
Name
Group
Location
Product
Status
Tags
Filter by name or IP address...
Filter by group or org...
Filter...
Compute (0)
Containers (2)
mycluster-free
Default
Frankfurt
Kubernetes Service
Normal
shalini
Default
Tokyo
Container Registry
Networking (0)
Storage (1+)
AI / Machine Learning (1+)
Analytics (0)
Blockchain (0)
Databases (1+)
Developer tools (0)

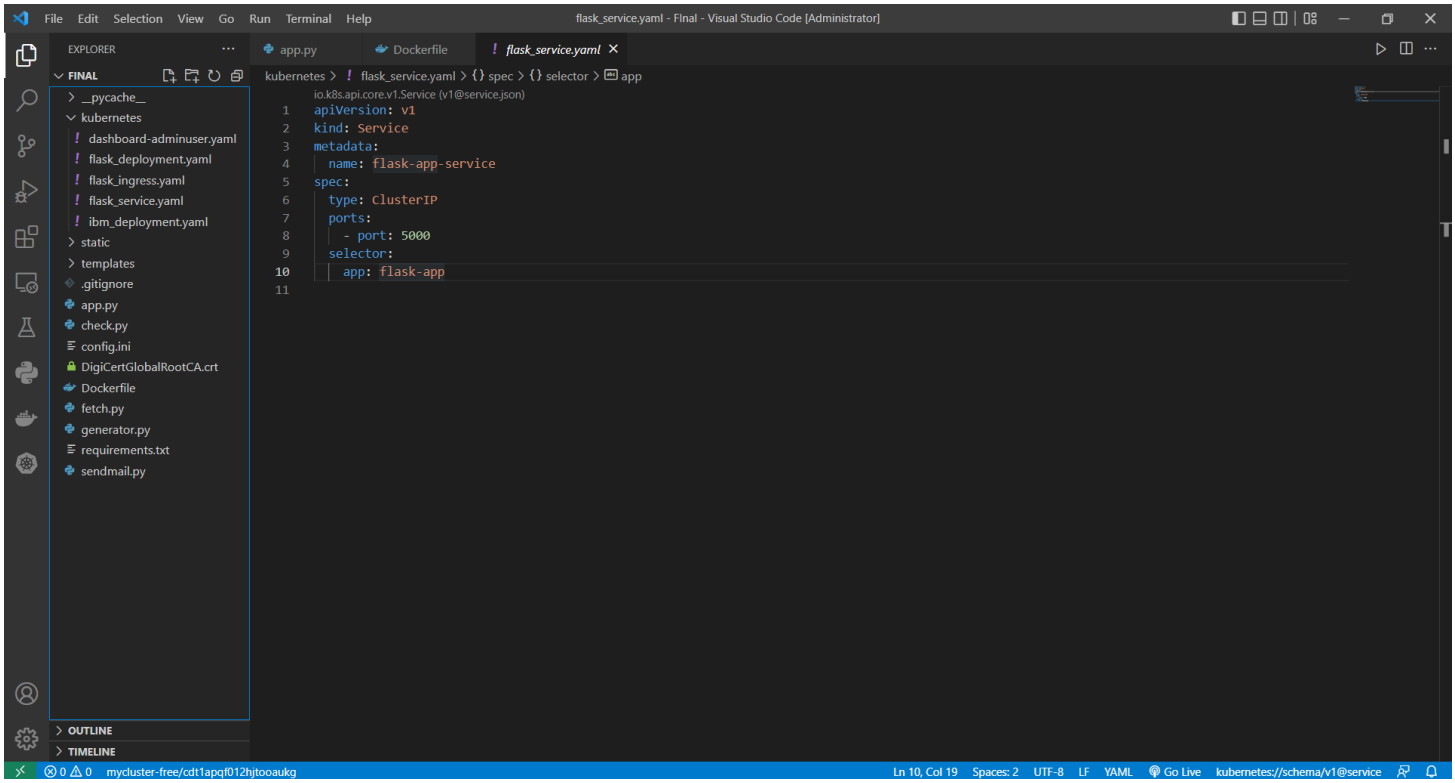

IBM Cloud Container Registry - N
cloud.ibm.com/registry/namespaces?id=shalini&region=ap-north
Gmail
YouTube
Maps
tech mahindra hr in...
IBM Cloud
Search resources and products...
Catalog
Manage
PAVITHRA R's Account
Container Registry
Quick start
Namespaces 1
Repositories 1
Images 1
Trash 0
Settings
Namespaces
Location
Tokyo
Viewing filtered namespaces
A filter is applied so that only the namespace shalini is included in the table.
Show all namespaces
Resource group: Filter...
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
shalini
Default
1
1
Retain all images
Items per page: 25
1–1 of 1 item
1 of 1 page

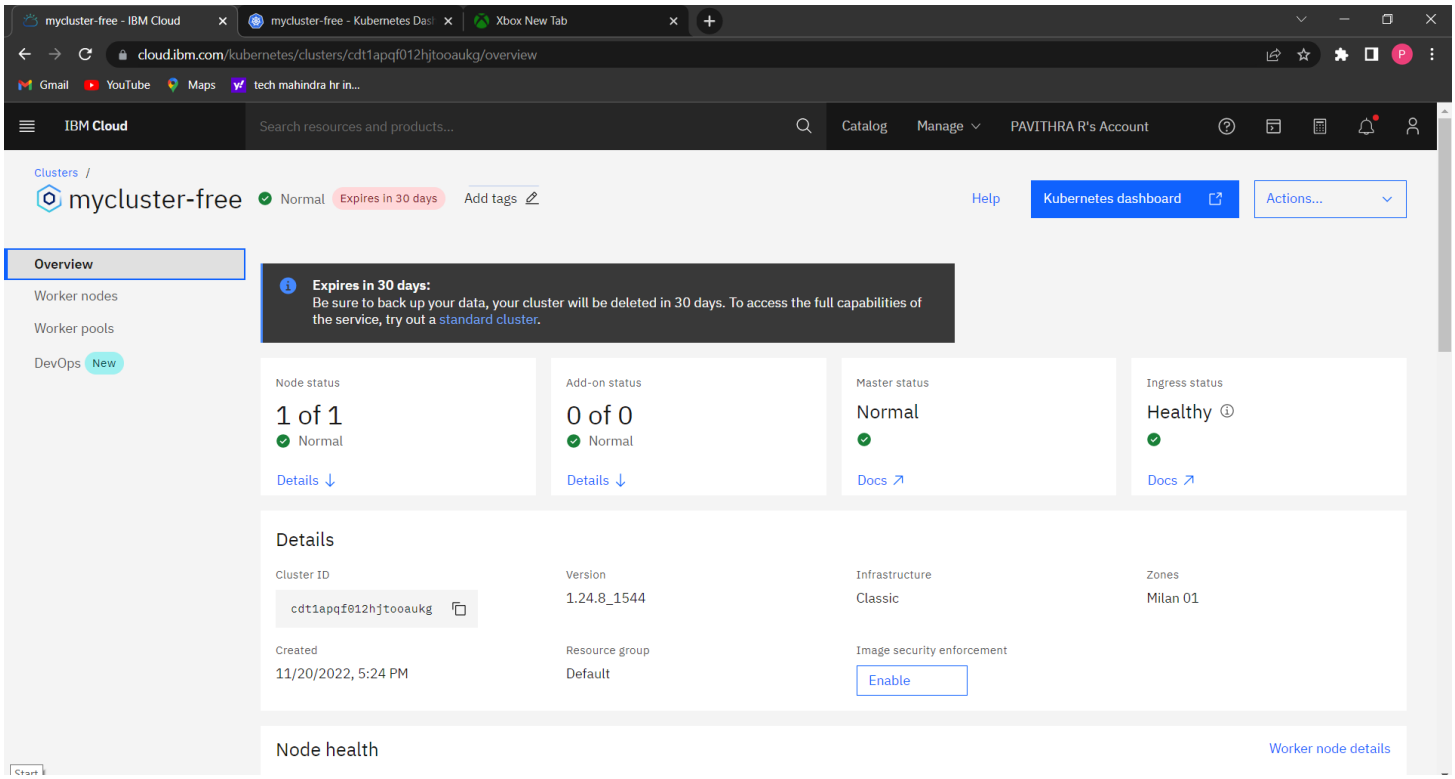


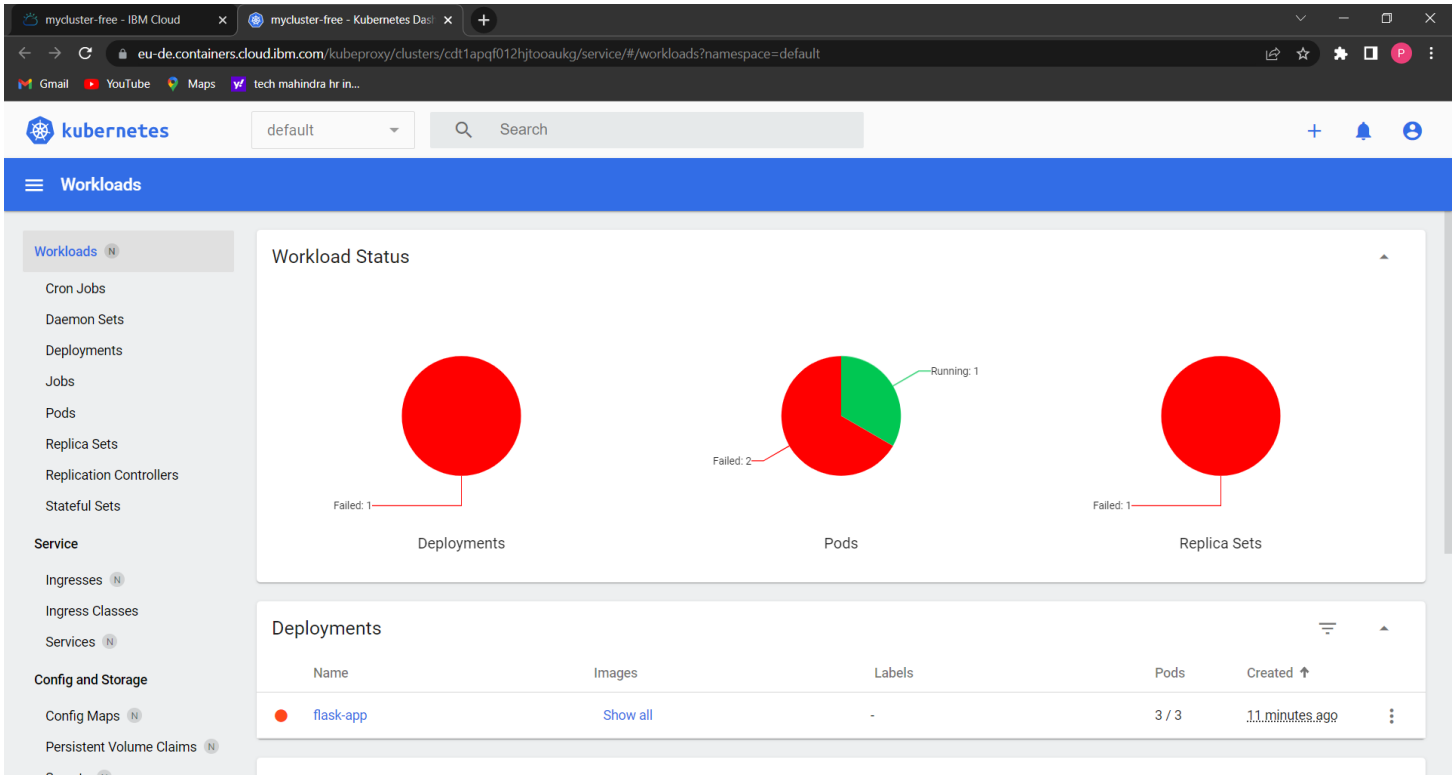
Progress 3

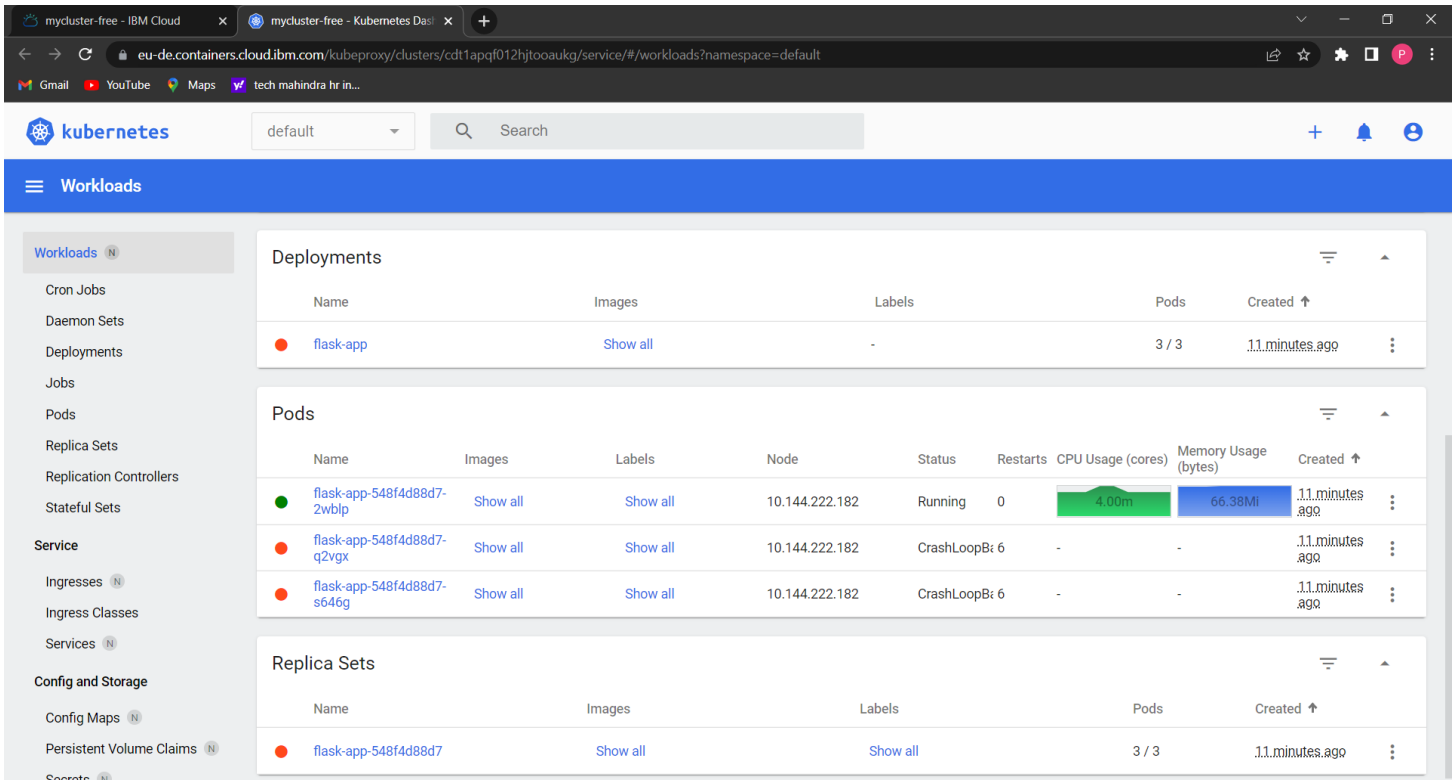
Deploy the image in Kubernetes cluster.




File Edit Selection View Go Run Terminal Help
flask_service.yaml - Final - Visual Studio Code [Administrator]
EXPLORER
FINAL
app.py
Dockerfile
flask_service.yaml
kubernetes > flask_service.yaml > spec > selector > app
io.k8s.api.core.v1.Service (v1@service.json)
apiVersion: v1
kind: Service
metadata:
name: flask-app-service
spec:
type: ClusterIP
ports:
- port: 5000
selector:
app: flask-app
pycache
kubernetes
dashboard-adminuser.yaml
flask_deployment.yaml
flask_ingress.yaml
flask_service.yaml
ibm_deployment.yaml
static
templates
.gitignore
app.py
check.py
config.ini
DigiCertGlobalRootCA.crt
Dockerfile
fetch.py
generator.py
requirements.txt
sendmail.py
OUTLINE
TIMELINE
mycluster-free/cdt1apqf012hjtooaukg
Ln 10, Col 19
Spaces: 2
UTF-8
LF
YAML
Go Live
kubernetes://schema/v1@service


mycluster-free - IBM Cloud
mycluster-free - Kubernetes Das
Xbox New Tab
cloud.ibm.com/kubernetes/clusters/cdt1apqf012hjtooaukg/overview
Gmail
YouTube
Maps
tech mahindra hr in...
IBM Cloud
Search resources and products...
Catalog
Manage
PAVITHRA R's Account
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
Healthy
Docs
Details
Cluster ID
cdt1apqf012hjtooaukg
Version
1.24.8_1544
Infrastructure
Classic
Zones
Milan 01
Created
11/20/2022, 5:24 PM
Resource group
Default
Image security enforcement
Enable
Node health
Worker node details





--- Completed Sprint – 4 ---