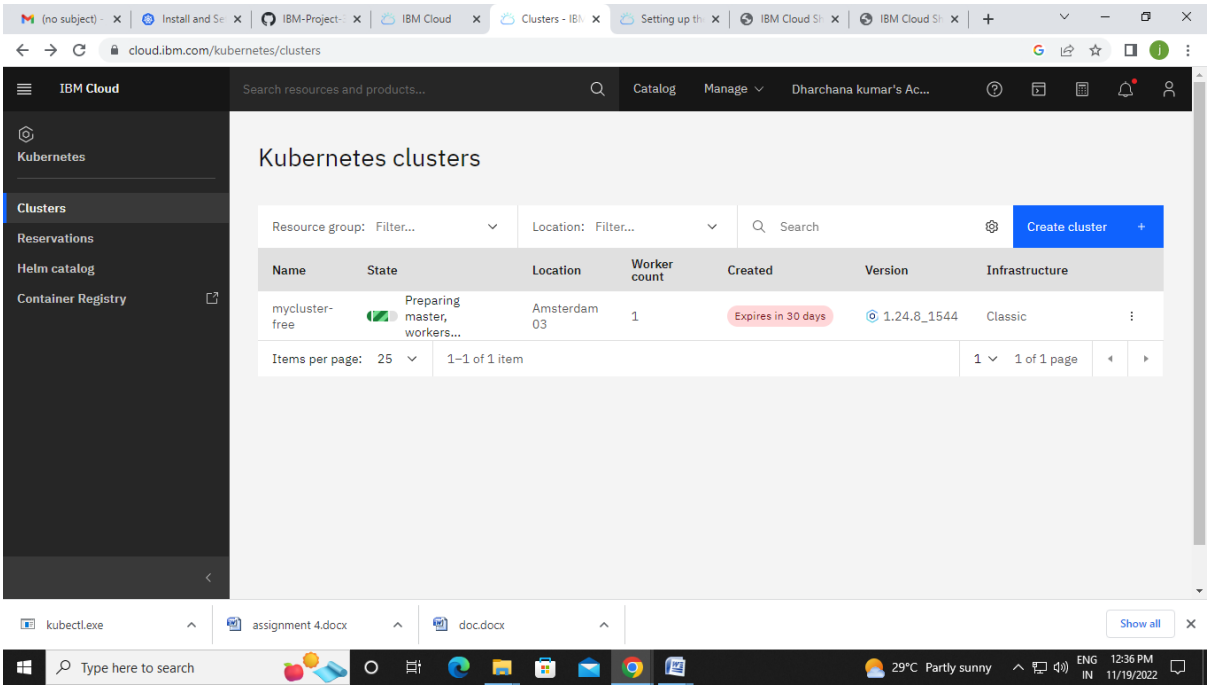
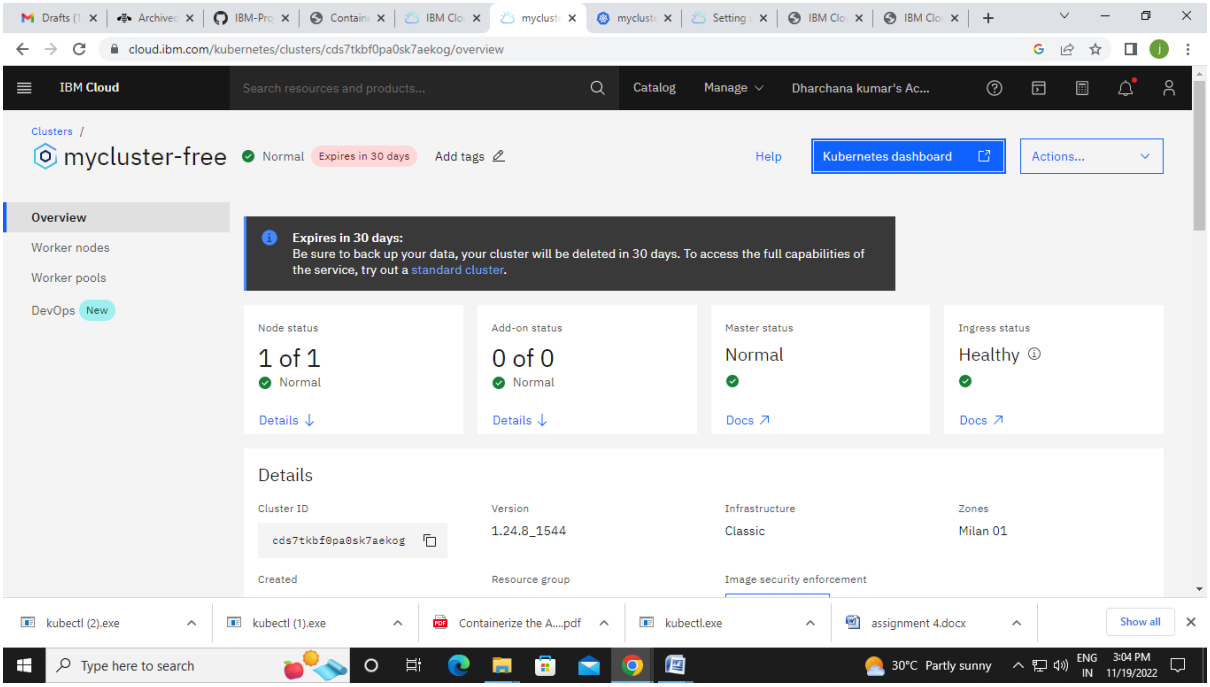
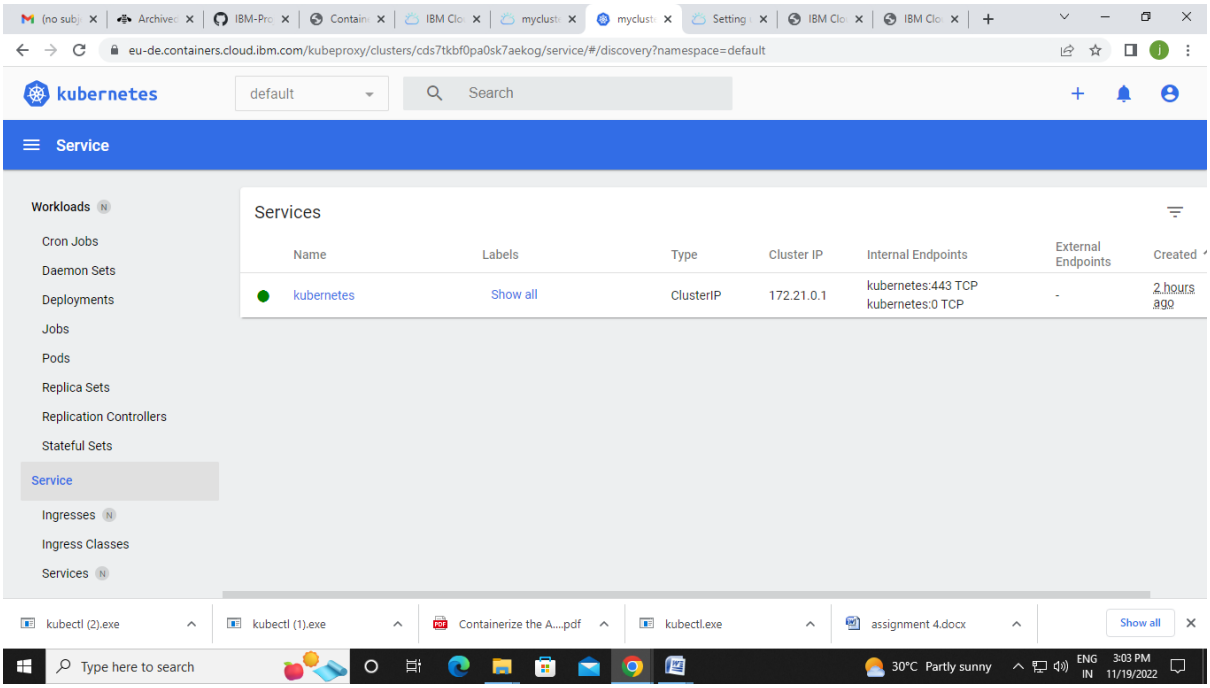
DEPLOYMENT OF APP IN IBM CLOUD

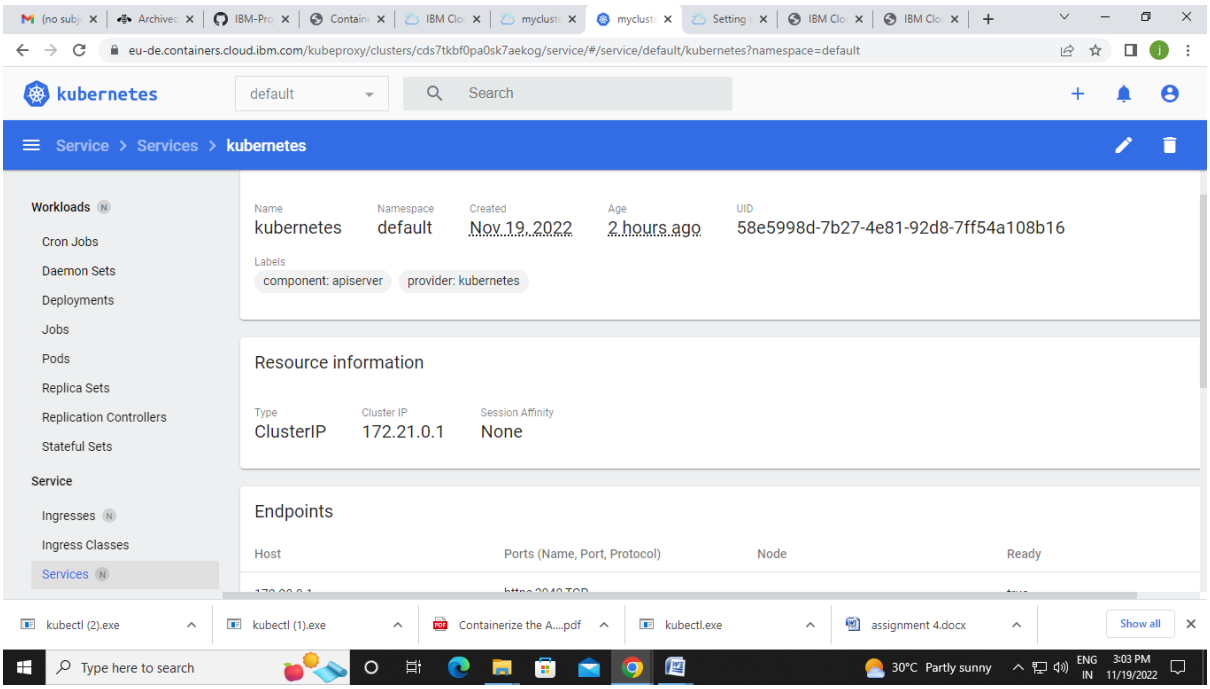
DEPLOY IN KUBERNETES CLUSTER

Team ID	PNT2022TMID33057
Project Name	Plasma Donor Application






eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cds7tkbf0pa0sk7aekog/service/#/discovery?namespace=default
kubernetes
default
Search
Service
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Services
Name
Labels
Type
Cluster IP
Internal Endpoints
External Endpoints
Created
kubernetes
Show all
ClusterIP
172.21.0.1
kubernetes:443 TCP
kubernetes:0 TCP
-
2 hours ago
kubectl (2).exe
kubectl (1).exe
Containerize the A....pdf
kubectl.exe
assignment 4.docx
Show all
Type here to search
30°C Partly sunny
ENG IN
3:03 PM
11/19/2022


eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cds7tkbf0pa0sk7aekog/service/#/service/default/kubernetes?namespace=default
kubernetes
default
Search
Service > Services > kubernetes
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Name
kubernetes
Namespace
default
Created
Nov 19, 2022
Age
2 hours ago
UID
58e5998d-7b27-4e81-92d8-7ff54a108b16
Labels
component: apiserver
provider: kubernetes
Resource information
Type
ClusterIP
Cluster IP
172.21.0.1
Session Affinity
None
Endpoints
Host
Ports (Name, Port, Protocol)
Node
Ready
kubectl (2).exe
kubectl (1).exe
Containerize the A....pdf
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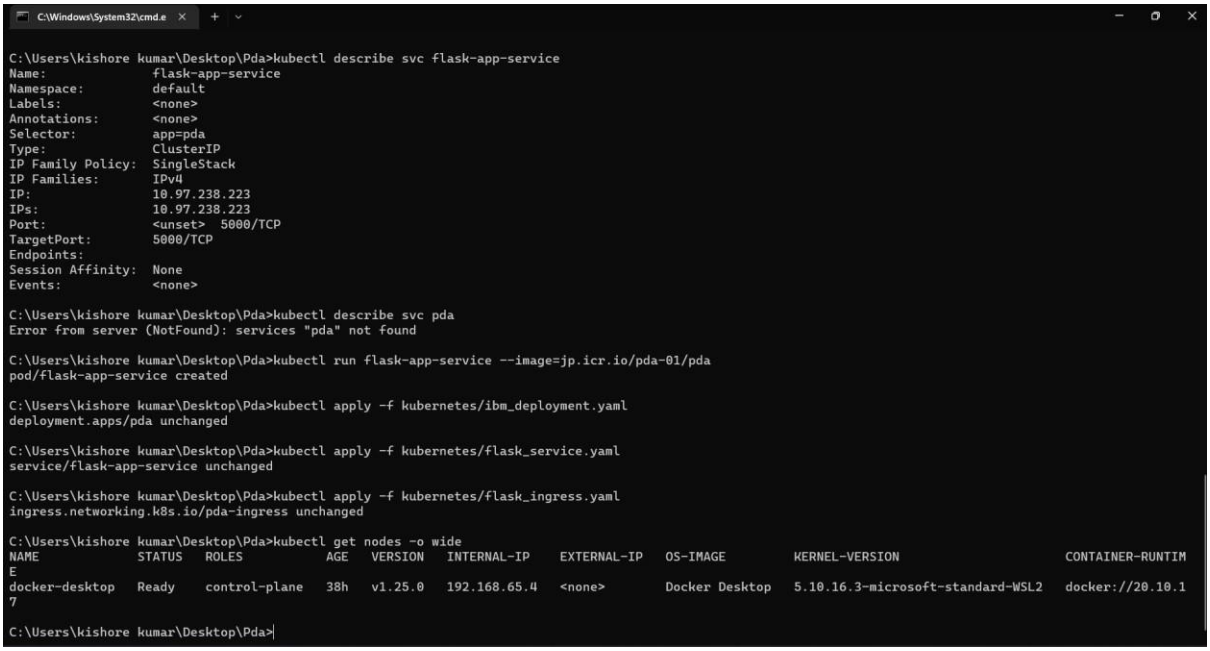
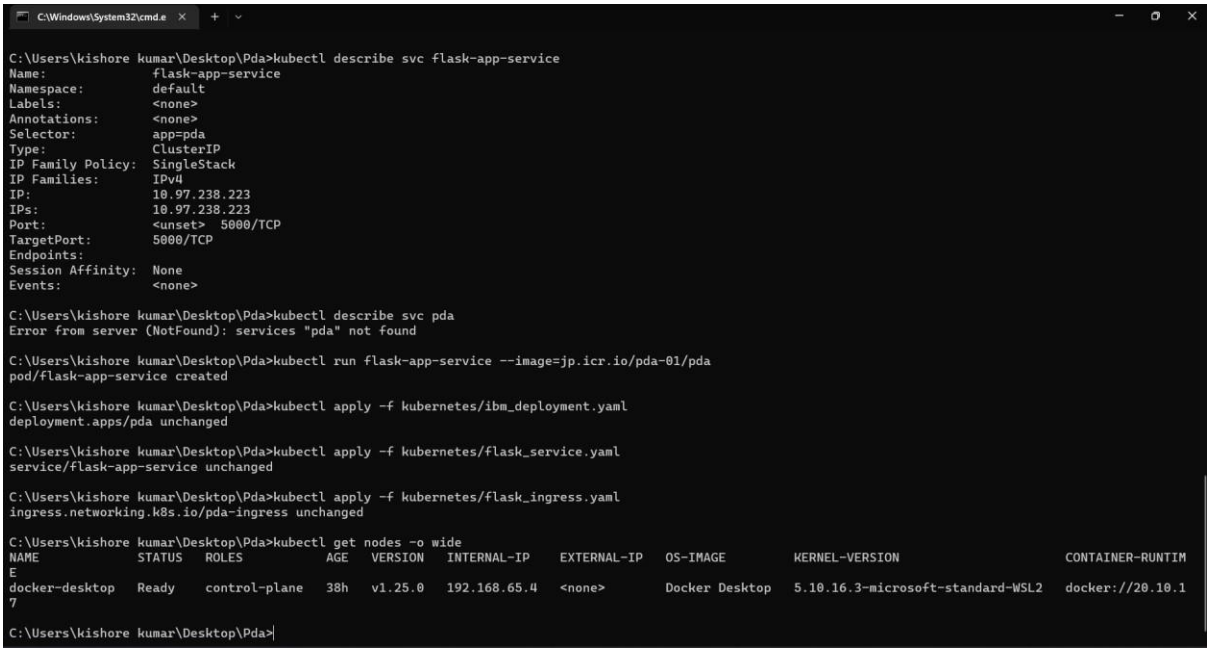

C:\Windows\System32\cmd.e
C:\Users\kishore kumar\Desktop\Pda>kubectl describe svc flask-app-service
Name: flask-app-service
Namespace: default
Labels: <none>
Annotations: <none>
Selector: app=pda
Type: ClusterIP
IP Family Policy: SingleStack
IP Families: IPv4
IP: 10.97.238.223
IPs: 10.97.238.223
Port: <unset> 5000/TCP
TargetPort: 5000/TCP
Endpoints:
Session Affinity: None
Events: <none>
C:\Users\kishore kumar\Desktop\Pda>kubectl describe svc pda
Error from server (NotFound): services "pda" not found
C:\Users\kishore kumar\Desktop\Pda>kubectl run flask-app-service --image=jp.icr.io/pda-01/pda
pod/flask-app-service created
C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/ibm_deployment.yaml
deployment.apps/pda unchanged
C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_service.yaml
service/flask-app-service unchanged
C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_ingress.yaml
ingress.networking.k8s.io/pda-ingress unchanged
C:\Users\kishore kumar\Desktop\Pda>kubectl get nodes -o wide
NAME   STATUS   ROLES   AGE   VERSION   INTERNAL-IP   EXTERNAL-IP   OS-IMAGE   KERNEL-VERSION   CONTAINER-RUNTIM
E
docker-desktop   Ready   control-plane   38h   v1.25.0   192.168.65.4   <none>   Docker Desktop   5.10.16.3-microsoft-standard-WSL2   docker://20.10.1
7
C:\Users\kishore kumar\Desktop\Pda>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IPs: 10.97.238.223
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service/flask-app-service unchanged
C:\Users\kishore kumar\Desktop\Pda>kubectl apply -f kubernetes/flask_ingress.yaml
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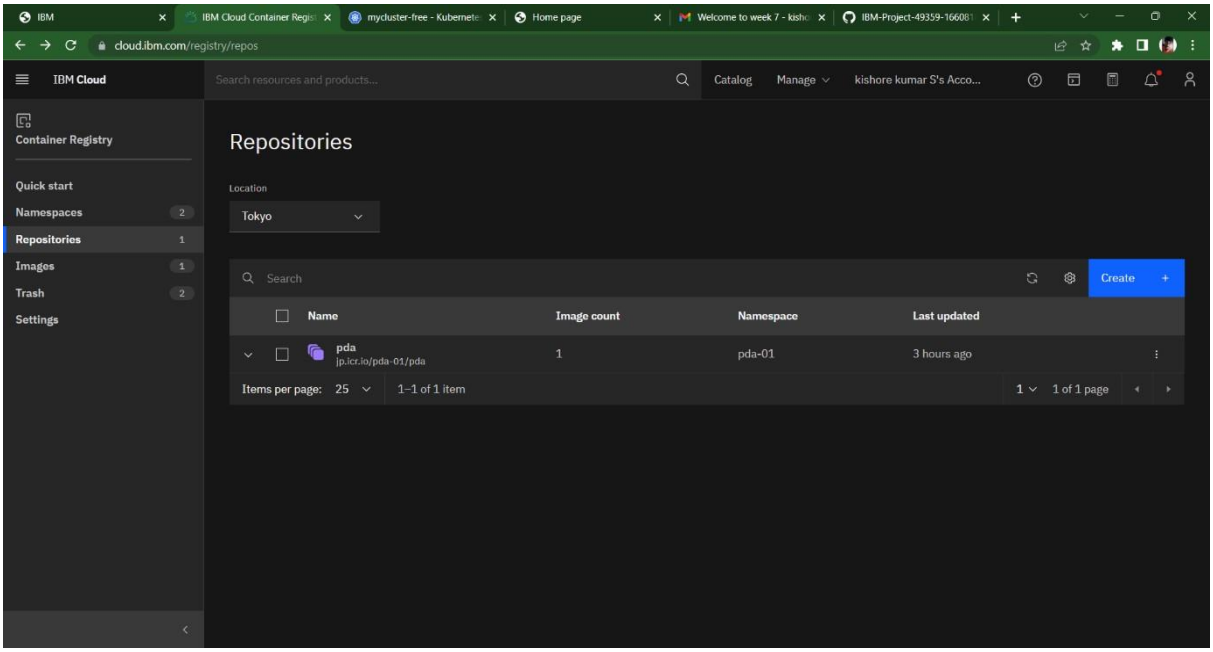
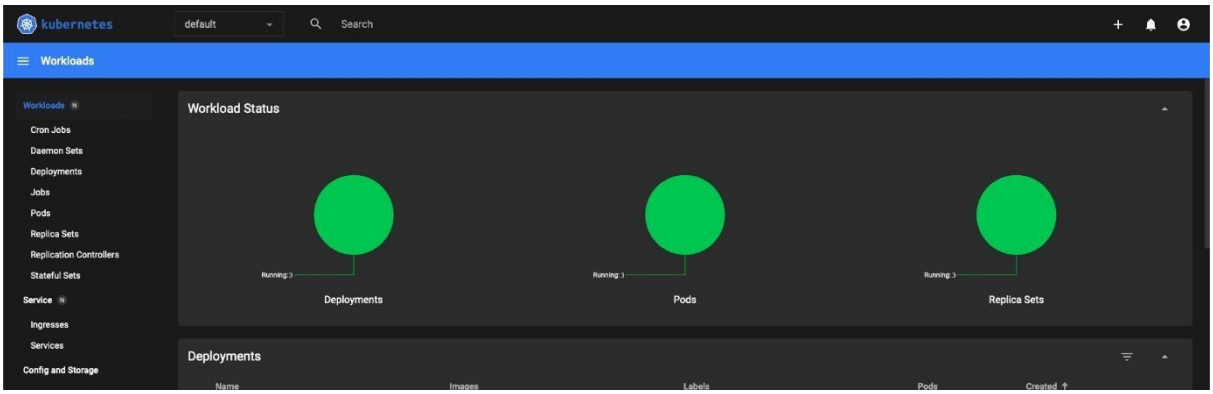

IBM
IBM Cloud Container Regis
mycluster-free - Kubernete
Home page
Welcome to week 7 - kisho
IBM-Project-49359-166081
cloud.ibm.com/registry/repos
IBM Cloud
Search resources and products...
Catalog
Manage
kishore kumar S's Acco...
Container Registry
Quick start
Namespaces 2
Repositories 1
Images 1
Trash 2
Settings
Repositories
Location
Tokyo
Search
Create
Name
Image count
Namespace
Last updated
pda
jp.icr.io/pda-01/pda
1
pda-01
3 hours ago
Items per page: 25
1–1 of 1 item
1 of 1 page


kubernetes
default
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Workloads
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Services
Config and Storage
Workload Status
Running: 3
Deployments
Running: 3
Pods
Running: 3
Replica Sets
Deployments
Name
Images
Labels
Pods
Created