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Command Prompt - minikube dashboard
Microsoft Windows [Version 10.0.19045.2846]
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C:\Users\DELL>minikube version
minikube version: v1.30.1
commit: 08896fd1dc362c097c925146c4a0d0dac715ace0

C:\Users\DELL>kubectl config view
apiVersion: v1
clusters:
- cluster:
    certificate-authority: C:\Users\DELL\.minikube\ca.crt
    extensions:
    - extension:
        last-update: Thu, 27 Apr 2023 14:57:24 IST
        provider: minikube.sigs.k8s.io
        version: v1.30.1
      name: cluster_info
    server: https://127.0.0.1:4989
  name: minikube
contexts:
- context:
    cluster: minikube
    extensions:
    - extension:
        last-update: Thu, 27 Apr 2023 14:57:24 IST
        provider: minikube.sigs.k8s.io
        version: v1.30.1
      name: context_info
    namespace: default
```

```
Command Prompt - minikube dashboard
user: minikube
name: minikube
current-context: minikube
kind: Config
preferences: {}
users:
- name: minikube
  user:
    client-certificate: C:\Users\DELL\.minikube\profiles\minikube\client.crt
    client-key: C:\Users\DELL\.minikube\profiles\minikube\client.key

C:\Users\DELL>kubectl get service
NAME         TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
kubernetes   ClusterIP   10.96.0.1    <none>        443/TCP    23h

C:\Users\DELL>docker pull project_image
Using default tag: latest
Error response from daemon: pull access denied for project_image, repository does not exist or may require 'docker login':
denied: requested access to the resource is denied

C:\Users\DELL>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub
.docker.com to create one.
Username: sarthakd112
Password:
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/acces
s-tokens/
```

Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at <https://docs.docker.com/go/access-tokens/>

```
C:\Users\DELL>docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
new_project_image    latest       54c3711ee257   13 hours ago   1.22GB
project_image        latest       54c3711ee257   13 hours ago   1.22GB
mysql                latest       8189e588b0e8   10 days ago    564MB
gcr.io/k8s-minikube/kicbase v0.0.39     67a4b1138d2d   3 weeks ago    1.05GB
```

```
C:\Users\DELL>docker tag mysql:latest my/mysql
```

```
C:\Users\DELL>docker push my/mysql
Using default tag: latest
The push refers to repository [docker.io/my/mysql]
a4f094a19913: Preparing
ac2f3d433b8e: Preparing
44eaf2264b91: Preparing
82a375517098: Preparing
bd6b6a89e10a: Preparing
1c585189e67f: Waiting
08745f0c18ca: Waiting
3f772020efc1: Waiting
a9805d41c46a: Waiting
5ed69eb31cd7: Waiting
caefa4e45110: Waiting
denied: requested access to the resource is denied
```

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C:\Users\DELL>docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
new_project_image    latest       54c3711ee257   14 hours ago   1.22GB
project_image        latest       54c3711ee257   14 hours ago   1.22GB
mysql                latest       8189e588b0e8   10 days ago    564MB
my/mysql             latest       8189e588b0e8   10 days ago    564MB
gcr.io/k8s-minikube/kicbase v0.0.39     67a4b1138d2d   3 weeks ago    1.05GB
```

```
C:\Users\DELL>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
6dc663da0dcf   gcr.io/k8s-minikube/kicbase:v0.0.39   "/usr/local/bin/entr..." 24 hours ago   Up 24 hours   127.0.0.1:4985->22/tcp, 127.0.0.1:4986->2376/tcp, 127.0.0.1:4988->5000/tcp, 127.0.0.1:4989->8443/tcp, 127.0.0.1:4987->32443/tcp   minikube
fb5ab987c8a8   mysql         "docker-entrypoint.s..." 27 hours ago   Up 25 hours   3306/tcp, 33060/tcp                mysqlldb
```

```
C:\Users\DELL>kubectl create deployment imag --image=mysql
deployment.apps/imag created
```

```
C:\Users\DELL>kubectl get deployment
NAME    READY   UP-TO-DATE   AVAILABLE   AGE
imag    0/1     1             0           18s
```

```
C:\Users\DELL>kubectl get pod
NAME                READY   STATUS             RESTARTS   AGE
imag-57596d9bd9-9zgdg 0/1     CrashLoopBackOff   1 (9s ago) 25s
```

```

C:\Users\DELL>kubectl get pod
NAME                READY   STATUS             RESTARTS   AGE
imag-57596d9bd9-9zgdg  0/1    CrashLoopBackOff   1 (9s ago)  25s

C:\Users\DELL>kubectl get replicaset
NAME                DESIRED   CURRENT   READY   AGE
imag-57596d9bd9     1         1         0       40s

C:\Users\DELL>kubectl describe deployment
Name:                imag
Namespace:           default
CreationTimestamp:    Fri, 28 Apr 2023 15:18:39 +0530
Labels:              app=imag
Annotations:          deployment.kubernetes.io/revision: 1
Selector:             app=imag
Replicas:            1 desired | 1 updated | 1 total | 0 available | 1 unavailable
StrategyType:        RollingUpdate
MinReadySeconds:      0
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels:  app=imag
  Containers:
    mysql:
      Image:      mysql
      Port:       <none>
      Host Port:  <none>
      Environment: <none>
      Mounts:      <none>
      Volumes:     <none>

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Mounts:      <none>
Volumes:     <none>
Conditions:
  Type      Status  Reason
  ----      -
  Progressing  True    NewReplicaSetAvailable
  Available    False   MinimumReplicasUnavailable
OldReplicaSets: <none>
NewReplicaSet:  imag-57596d9bd9 (1/1 replicas created)
Events:
  Type      Reason          Age   From          Message
  ----      -
  Normal    ScalingReplicaSet  58s   deployment-controller  Scaled up replica set imag-57596d9bd9 to 1

C:\Users\DELL>kubectl get deploy -A
NAMESPACE   NAME    READY   UP-TO-DATE   AVAILABLE   AGE
default     imag    0/1     1             0           82s
kube-system coredns 1/1     1             1           24h

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C:\Users\DELL>kubectl get pod
NAME                READY   STATUS             RESTARTS   AGE
imag-57596d9bd9-9zgdg  0/1    CrashLoopBackOff   3 (55s ago)  2m5s

C:\Users\DELL>kubectl port-forward imag-57596d9bd9-9zgdg 9095:9095
Forwarding from 127.0.0.1:9095 -> 9095
Forwarding from [::1]:9095 -> 9095
Handling connection for 9095
Handling connection for 9095
E0428 15:49:43.401388 11164 portforward.go:406] an error occurred forwarding 9095 -> 9095: error forwarding port 9095 to pod 5945dc1e47c89283a327e3b1da01e1398842e091e300f7cddd8ac0874504c112, uid : exit status 1: 2023/04/28 10:19:43 socat[3418

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Command Prompt - minikube dashboard
25] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
E0428 15:49:43.399048 11164 portforward.go:406] an error occurred forwarding 9095 -> 9095: error forwarding port 9095 to
pod 5945dc1e47c89283a327e3b1da01e1398842e091e300f7cddd8ac0874504c112, uid : exit status 1: 2023/04/28 10:19:43 socat[3418
24] E connect(5, AF=2 127.0.0.1:9095, 16): Connection refused
Handling connection for 9095
E0428 15:49:43.430370 11164 portforward.go:346] error creating error stream for port 9095 -> 9095: EOF
E0428 15:49:43.437187 11164 portforward.go:234] lost connection to pod

C:\Users\DELL>
C:\Users\DELL>minikube dashboard
* Enabling dashboard ...
- Using image docker.io/kubernetesui/dashboard:v2.7.0
- Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
* Some dashboard features require the metrics-server addon. To enable all features please run:

    minikube addons enable metrics-server

* Verifying dashboard health ...
* Launching proxy ...
* Verifying proxy health ...
* Opening http://127.0.0.1:13774/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your
default browser...
```

Kubernetes Dashboard

127.0.0.1:13774/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?

kubernetes default Search

Workloads

Workloads

- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses
- Ingress Classes
- Services

Config and Storage

- Config Maps
- Persistent Volume Claims
- Secrets
- Storage Classes

Cluster

- Cluster Role Bindings
- Cluster Roles
- Events
- Namespaces
- Network Policies

Deployments

Name	Images	Labels	Pods	Created
imag	mysql	app: imag	1 / 1	51 minutes ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
imag-57596d9bd9-9zgdg	mysql	app: imag pod-template-hash: 57596d9bd9	minikube	CrashLoopBackOff 14	-	-	-	51 minutes ago

Replica Sets

Name	Images	Labels	Pods	Created
imag-57596d9bd9	mysql	app: imag pod-template-hash: 57596d9bd9	1 / 1	51 minutes ago