

Q. 10:

Deploy an application

EX280 exam prepared for

Deploy the chart named dhurandhar-movie in the project ascii-movie from the

repository <http://helm.domain20.example.com/chart/> or

<http://helm.ocp4.example.com/charts>

You may use the telnet or nc commands to validate the deployment.

Answer:

1. Create the project

\$ oc new-project ranveer-movie

```
student@workstation ~]$ oc new-project ranveer-movie
Now using project "ranveer-movie" on server "https://api.ocp4.example.com:6443".
```

You can add applications to this project with the 'new-app' command. For example, try:

```
oc new-app rails-postgresql-example
```

to build a new example application in Ruby. Or use kubectl to deploy a simple Kubernetes application:

```
kubectl create deployment hello-node --image=registry.k8s.io/e
e-test-images/agnhost:2.43 -- /agnhost serve-hostname
```

3.

Create helm repository

\$ helm repo add exam <http://helm.ocp4.example.com/charts>

```
student@workstation ~]$ helm repo add exam http://helm.ocp4.example.com/charts
"exam" has been added to your repositories
```

```
student@workstation ~]$ helm search repo exam
```

NAME	CHART VERSION	APP VERSION	DESCRIPTION
exam/examplechart	0.1.0		A Helm chart for Kubernetes
exam/etherpad	0.0.7	latest	A Helm chart for etherpad lite
exam/influxdb	4.12.1	1.8.10	Scalable database for metrics, events, and real-time analytics
exam/mysql-persistent	0.0.2	0.0.2	This content is experimental, do not use it in production

4. Verify

\$ helm search repo exam

5. Install the package

```
$ helm install dhurandhar-movie exam/etherpad
```

```
student@workstation ~]$ helm install dhurandhar-movie exam/etherpad
NAME: dhurandhar-movie
LAST DEPLOYED: Tue Dec 9 21:55:01 2025
NAMESPACE: ranveer-movie
STATUS: deployed
REVISION: 1
TEST SUITE: None
student@workstation ~]$ oc get pod
```

NAME	READY	STATUS
dhurandhar-movie-etherpad-66865644f8-7m2mp	0/1	ContainerCreating

6. Verify

```
$ oc get pod
```

```
$ oc get route
```

```
$ telnet deployment-etherpad.apps.ocp4.example.com
```

```
dhurandhar-movie-etherpad-66865644f8-7m2mp 0/1 ContainerCreating
ing 0 8s
[student@workstation ~]$ oc get route
```

NAME	HOST/PORT	PATH	SERVICES	PORT
dhurandhar-movie-etherpad	dhurandhar-movie-etherpad-ranveer-movie.apps.ocp4.example.com	edge/Redirect	dhurandhar-movie-etherpad	http

```
[student@workstation ~]$ telnet deployment-etherpad.apps.ocp4.example.com
Trying 192.168.50.254...
telnet: connect to address 192.168.50.254: Connection refused
```

