

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 ne commands to validate the deployment.

Answer:

1. Create the project

```
$ oc new-project ranveer-movie
```

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

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

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

```
o 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 cha...
kt for Kubernetes
exam/etherpad        0.0.7          latest        A Helm cha...
t for etherpad lite
exam/influxdb         4.12.1      •  1.8.10       Scalable d...
itastore for metrics, events, and rea...
exam/mysql-persistent 0.0.2          0.0.2        This conte...
it is experimental, do not use it in p...
```

4. Verify

```
$ helm search repo exam
```

5. Install the package

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

```
student@workstation ~]$ helm install dhurandhar-movie exam/etherpad
AME: dhurandhar-movie
AST DEPLOYED: Tue Dec  9 21:55:01 2025
AMESPACE: ranveer-movie
TATUS: deployed
EVISION: 1
EST SUITE: None
student@workstation ~]$ oc get pod
AME                               READY   STATUS
RESTARTS   AGE
dhurandhar-movie-etherpad-66865644f8-7m2mp   0/1     ContainerCreating   0          8s
```

6. Verify

```
$ oc get pod
```

```
$ oc get route
```

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

```
dhurandhar-movie-etherpad-66865644f8-7m2mp   0/1     ContainerCreating   0          8s
[student@workstation ~]$ oc get route
NAME                HOST/PORT
PATH    SERVICES      PORT
TERMINATION WILDCARD
dhurandhar-movie-etherpad  dhurandhar-movie-etherpad-ranveer-movie.apps.ocp4.example.com  dhurandhar-movie-etherpad  http
edge/Redirect  None
[student@workstation ~]$ telnet deployment-etherpad.apps.ocp4.example.com
Trying 192.168.50.254...
telnet: connect to address 192.168.50.254: Connection refused
```

