```
hari@lenovo: ~
nginx-deployment-58cdc7b878-fhw5f
                                                    1/1
                                                              Running
                                                                                                   17m
nginx-deployment-58cdc7b878-ft9f7
                                                    1/1
                                                              Running
                                                                                                   113m
nginx-deployment-58cdc7b878-sw4pf
                                                    1/1
                                                              Running
                                                                                                   113m
nginx-deployment-5db9468-845dr
nginx-deployment-5db9468-fgdng
                                                    0/1
                                                              ContainerCreating
                                                                                                   44s
                                                    0/1
0/1
                                                                                      0
                                                              ErrImagePull
                                                                                                   455
nginx-deployment-5db9468-n2c8l
                                                              ContainerCreating
                                                                                     0
                                                                                                   44s
react-ecommerce-f8bd4cb8c-kd2r7
react-ecommerce-f8bd4cb8c-nhj2t
                                                              ImagePullBackOff
                                                    0/1
                                                                                                   81m
                                                                                      0
                                                    0/1
                                                              ImagePullBackOff
                                                                                                   81m
react-ecommerce-service-5799887844-4js6h
                                                    0/1
                                                              InvalidImageName
                                                                                                   121m
                                                              ImagePullBackOff
react-ecommerce-service-59bcbbb484-5wd5n
                                                    0/1
                                                                                                   131m
react-ecommerce-service-59bcbbb484-grhtb
                                                    0/1
                                                              ImagePullBackOff
                                                                                     0
                                                                                                   131m
 nari@lenovo:~$ kubectl expose deployment nginx-deployment --type=NodePort --port=80
service/nginx-deployment exposed
 hari@lenovo:~$ kubectl get service
TYPE
                                              CLUSTER-IP
                                                                  EXTERNAL-IP
                                                                                   PORT(S)
                                                                                                     AGE
                                ClusterIP
kubernetes
                                              10.96.0.1
                                                                   <none>
                                                                                    443/TCP
                                                                                                     24h
                                              10.101.200.108
10.110.92.189
                                                                   <none>
                                                                                   80:30153/TCP
my-nginx
                                NodePort
                                                                                                     179m
nginx-deployment
                                NodePort
                                                                   <none>
                                                                                   80:30340/TCP
                                                                                                     4m5s
react-ecommerce-service
                               NodePort
                                              10.107.109.52
                                                                  <none>
                                                                                   80:30007/TCP
                                                                                                     5h21m
 nari@lenovo:~$ minikube ip
! Executing "docker container inspect minikube --format={{.State.Status}}" took an unusually long time: 8.220539886s
? Restarting the docker service may improve performance.
192.168.49.2
hari@lenovo:~$ curl 192.168.49.2
curl: (7) Failed to connect to 192.168.49.2 port 80 after 1 ms: Couldn't connect to server
                                                                                                                                            o
 nari@lenovo:~$ kubeclt set image deployment/nginx-deployment nginx-container=nginx:1.19
Command 'kubeclt' not found, did you mean:
  command 'kubectl' from snap kubectl (1.32.3)
See 'snap info <snapname>' for additional versions.
hari@lenovo:~$ kubeclt set image deployment/nginx-deployment nginx-container=nginx:1.19
Command 'kubeclt' not found, did you mean:
command 'kubectl' from snap kubectl (1.32.3)
See 'snap info <snapname>' for additional versions.
    i@lenovo:~$ kubectl set image deployment/nginx-deployment nginx-container=nginx:1.19
deployment.apps/nginx-deployment image updated
 nari@lenovo:~$ kubectl get pods
NAME
                                                    READY
                                                              STATUS
                                                                                     RESTARTS
                                                                                                   ΔGF
my-nginx-768f959b59-f8w4r
                                                    1/1
1/1
                                                                                                   23h
                                                              Running
                                                                                      0
nginx-deployment-58cdc7b878-bzb4l
nginx-deployment-58cdc7b878-dzj5w
                                                              Running
                                                                                                   31m
                                                                                      0
                                                    1/1
                                                              Running
                                                                                                   17m
nginx-deployment-58cdc7b878-fhw5f
                                                    1/1
                                                              Running
                                                                                                   17m
nginx-deployment-58cdc7b878-ft9f7
nginx-deployment-58cdc7b878-sw4pf
                                                    1/1
                                                              Running
                                                                                                   113m
                                                    1/1
0/1
                                                              Running
                                                                                                   113m
nginx-deployment-5db9468-845dr
                                                              ContainerCreating
                                                                                     0
                                                                                                   27s
nginx-deployment-5db9468-fgdng
                                                    0/1
                                                              ContainerCreating
                                                                                     0
                                                                                                   285
nginx-deployment-5db9468-n2c8l
                                                    0/1
                                                              ContainerCreating
                                                                                      0
                                                                                                   27s
react-ecommerce-f8bd4cb8c-kd2r7
                                                    0/1
                                                              ImagePullBackOff
                                                                                      0
                                                                                                   81m
react-ecommerce-f8bd4cb8c-nhj2t
                                                    0/1
                                                              ImagePullBackOff
                                                                                                   81m
react-ecommerce-service-5799887844-4js6h
                                                              InvalidImageName
                                                                                                   121m
react-ecommerce-service-59bcbbb484-5wd5n
                                                    0/1
                                                              ImagePullBackOff
                                                                                      0
                                                                                                   131m
react-ecommerce-service-59bcbbb484-grhtb
                                                    0/1
                                                              ImagePullBackOff
                                                                                      Θ
                                                                                                   131m
 nari@lenovo:~$ kubectl get pods
                                                    READY
                                                              STATUS
                                                                                      RESTARTS
                                                                                                   AGE
my-nginx-768f959b59-f8w4r
                                                                                                   23h
                                                    1/1
                                                              Running
                                                                                      0
nginx-deployment-58cdc7b878-bzb4l
nginx-deployment-58cdc7b878-dzj5w
                                                    1/1
                                                                                                   32m
                                                              Running
                                                    1/1
                                                                                      0
                                                              Running
                                                                                                   17m
nginx-deployment-58cdc7b878-fhw5f
                                                    1/1
                                                              Running
                                                                                      0
                                                                                                   17m
```

```
hari@lenovo: ~
                                                                                                    ImagePullBackOff
ImagePullBackOff
 react-ecommerce-f8bd4cb8c-kd2r7
                                                                                     0/1
                                                                                     0/1
                                                                                                                                                                40m
react-ecommerce-f8bd4cb8c-nhj2t
react-ecommerce-service-5799887844-4js6h
                                                                                    0/1
0/1
                                                                                                     InvalidImageName
ImagePullBackOff
                                                                                                                                                                80m
react-ecommerce-service-579988784W-4js6h 0/1 InvalidImageName react-ecommerce-service-59bcbbb484-5wd5n 0/1 ImagePullBackOff react-ecommerce-service-59bcbbb484-grhtb 0/1 ImagePullBackOff hari@lenovo:-$ kubecl delete pod nginx-deployment-58cdc7b878-67w4z Command 'kubecl' not found, did you mean: command 'kubecl' from snap kubectl (1.32.3)
See 'snap info <snapname>' for additional versions. hari@lenovo:-$ kubectl delete pod nginx-deployment-58cdc7b878-67w4z pod "nginx-deployment-58cdc7b878-67w4z" deleted 'Chari@lenovo:-$ kubtl get pods
NAMF READY STATUS
                                                                                                                                                                90m
^Chai
                                                                                     READY
                                                                                                     STATUS
                                                                                                                                            RESTARTS
                                                                                                                                                                 AGE
NAME
my-nginx-768f959b59-f8w4r
nginx-deployment-58cdc7b878-67w4z
nginx-deployment-58cdc7b878-bzb4l
nginx-deployment-58cdc7b878-bzb4l
nginx-deployment-58cdc7b878-sw4pf
react-ecommerce-f8bd4cb8c-kd2r7
react-ecommerce-f8bd4cb8c-nhj2t
                                                                                     1/1
0/1
0/1
1/1
1/1
0/1
                                                                                                    Running
Completed
                                                                                                                                                                 22h
                                                                                                     ContainerCreating
                                                                                                                                                                 14s
                                                                                                     Running
                                                                                                                                                                 81m
                                                                                                     Running
                                                                                                                                                                 81m
                                                                                                     ImagePullBackOff
                                                                                                                                                                 49m
                                                                                                     ImagePullBackOff
                                                                                                                                                                 49m
react-ecommerce-service-5799887844-4js6h
react-ecommerce-service-59bcbbb484-5wd5n
                                                                                     0/1
0/1
                                                                                                    InvalidImageName
ImagePullBackOff
                                                                                                                                                                 89m
                                                                                                                                                                 99m
react-ecommerce-service-59bcbbb484-grhtb
hari@lenovo:~$ kubectl get pods
                                                                                     0/1
                                                                                                     ImagePullBackOff
                                                                                                                                                                 99m
NAME
                                                                                     READY
                                                                                                                                          RESTARTS
                                                                                                                                                                AGE
                                                                                                     STATUS
my-nginx-768f959b59-f8w4r
my-nginx-deployment-58cdc7b878-bzb4l
nginx-deployment-58cdc7b878-f59f7
nginx-deployment-58cdc7b878-sw4pf
react-ecommerce-f8bd4cb8c-kd2r7
                                                                                                    Running
Running
                                                                                                                                                               22h
28s
                                                                                     1/1
1/1
1/1
1/1
0/1
0/1
                                                                                                     Running
                                                                                                                                                                82m
                                                                                                     Running
ImagePullBackOff
                                                                                                                                                                82m
                                                                                                                                                                50m
react-ecommerce-f8bd4cb8c-nhj2t
react-ecommerce-service-5799887844-4js6h
                                                                                                    ErrÍmagePull
InvalidImageName
                                                                                                                                                               50m
90m
react-ecommerce-service-59bcbbb484-5wd5n
react-ecommerce-service-59bcbbb484-grhtb
                                                                                                     ImagePullBackOff
                                                                                                                                                                100m
                                                                                                     ImagePullBackOff
  nari@lenovo:~$
  hari@lenovo:
 react-ecommerce
                                                   0/2
                                                                                                                     6m23s
react-ecommerce-service 0/2 1
hari@lenovo:~$ kubectl get deployments
                                                                                                                     56m
                                                    READY
                                                                    UP-TO-DATE
                                                                                             AVAILABLE
                                                                                                                     AGE
my-nginx
nginx-deployment
                                                    1/1
3/3
                                                                                                                     21h
                                                                                                                     41m
                                                   0/2
0/2
react-ecommerce
                                                                                                                     9m3s
react-ecommerce-service
                                                                                                                     59m
    ari@lenovo:~$ kubectl get deployments
                                                                                             AVAILABLE
NAME
                                                   READY
                                                                    UP-TO-DATE
                                                                                                                    AGE
my-nginx
                                                                                                                     22h
  nginx-deployment
                                                                                                                     49m
react-ecommerce
                                                   0/2
                                                                                                                     16m
react-ecommerce-service
   ari@lenovo:~$ kubectl get pods
                                                                                     READY
                                                                                                     STATUS
                                                                                                                                          RESTARTS
my-nginx-768f959b59-f8w4r
                                                                                     1/1
1/1
                                                                                                     Running
                                                                                                                                                                22h
nginx-deployment-58cdc7b878-67w4z
nginx-deployment-58cdc7b878-ft9f7
                                                                                                     Running
                                                                                                                                                                49m
                                                                                     1/1
1/1
0/1
0/1
0/1
0/1
                                                                                                                                                                 49m
                                                                                                     Running
                                                                                                                                                                49m
17m
17m
57m
67m
nginx-deployment-58cdc7b878-sw4pf
react-ecommerce-f8bd4cb8c-kd2r7
                                                                                                     Running
ImagePullBackOff
react-ecommerce-f8bd4cb8c-nhj2t
                                                                                                      ImagePullBackOff
react-ecommerce-service-5799887844-4js6h
react-ecommerce-service-59bcbbb484-5wd5n
                                                                                                     InvalidImageName
ImagePullBackOff
react-ecommerce-service-59bcbbb484-grhtb
hari@lenovo:~$ kubectl get pods
                                                                                                     ImagePullBackOff
                                                                                                                                                                67m
                                                                                     READY
                                                                                                     STATUS
                                                                                                                                          RESTARTS
                                                                                                                                                                AGE
NAME.
my-nginx-768f959b59-f8w4r
nginx-deployment-58cdc7b878-67w4z
nginx-deployment-58cdc7b878-f5ef7
nginx-deployment-58cdc7b878-sw4pf
react-ecommerce-f8bd4cb8c-kd2rf
                                                                                                                                                                22h
53m
                                                                                     1/1
1/1
1/1
1/1
0/1
0/1
0/1
                                                                                                     Running
                                                                                                     Running
                                                                                                     Running
                                                                                                                                                                53m
53m
                                                                                                     Running
ImagePullBackOff
                                                                                                                                                                21m
21m
21m
61m
react-ecommerce-f8bd4cb8c-nhj2t
                                                                                                     ImagePullBackOff
InvalidImageName
react-ecommerce-service-5799887844-4js6h
react-ecommerce-service-59bcbbb484-5wd5n
                                                                                                     ImagePullBackOff
```

```
DownwardAPI:
                                                 true
BestEffort
 QoS Class:
 Node-Selectors:
                                                  <none>
                                                 node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Tolerations:
Events:
                   Reason
                                                                              From
    Type
                                              Age
                                                                                                               Message
                                              90s
                                                                              default-scheduler Successfully assigned default/react-ecommerce-service-5799887844-4js
                 Scheduled
    Normal
 6h to minikube
                                                                                                              Pod sandbox changed, it will be killed and re-created.
Failed to apply default image tag "<correct-image-name>:<tag>": coul
    Normal SandboxChanged 76s
Warning InspectFailed 12s (x9 over 76s)
                                                                              kubelet
                                                                            kubelet
 dn't parse image name "<correct-image-name:<tag>": invalid reference format
Warning Failed 12s (x9 over 76s) kubelet Error: Inva
                                                                                                              Error: InvalidImageName
warning failed 12s (x9 over 76s) Rubelt hari@lenovo:~/capstone$ cd hari@lenovo:~$ nano deployment.yaml hari@lenovo:~$ kubectl apply -f my_deployment.yaml error: the path "my_deployment.yaml" does not exist hari@lenovo:~$ kubectl apply -f deployment.yaml deployment.apps/nginx-deployment created
hari@lenovo:~$ kubectl create deployment react-ecommerce --image=hariprasath90/ecommerce:latest --replicas=2 deployment.apps/react-ecommerce created
      i@lenovo:~$ kubectl get deployments
NAME
                                            READY
                                                          UP-TO-DATE AVAILABLE
                                                                                                   AGE
my-nginx
                                                                                                     21h
                                            3/3
0/2
nginx-deployment
                                                                                                     34m
react-ecommerce
react-ecommerce-service 0/2 1
hari@lenovo:~$ kubectl get deployments
READY UP-TO
                                                                                                     2m12s
                                                                                                     52m
                                                          UP-TO-DATE
                                                                                AVAILABLE
                                                                                                     AGE
my-nginx
nginx-deployment
                                            1/1
3/3
                                                                                                     38m
                                                                                                     6m23s
react-ecommerce-service
                                            0/2
                                                                                                     56m
QoS Class:
                                                 BestEffort
Node-Selectors:
                                                 <none>
                                                 node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Tolerations:
Events:
    Туре
                  Reason
                                              Age
                                                                              From
                                                                                                              Message
    Normal
                  Scheduled
                                              90s
                                                                              default-scheduler Successfully assigned default/react-ecommerce-service-5799887844-4js
Normat

Normal SandboxChanged 76s kubelet

Normal SandboxChanged 76s kubelet Failed to a
Warning InspectFailed 12s (x9 over 76s) kubelet Failed to a
dn't parse image name "<correct-image-name>:<tag>": invalid reference format
dn't parse image name "<correct-image-name>: kubelet Error: Inva
                                                                                                              Pod sandbox changed, it will be killed and re-created.
Failed to apply default image tag "<correct-image-name>:<tag>": coul
                                                                                                              Error: InvalidImageName
hari@lenovo:~/capstone$ cd
hari@lenovo:~$ nano deployment.yaml
hari@lenovo:~$ kubectl apply -f my_deployment.yaml
error: the path "my_deployment.yaml" does not exist
hari@lenovo:~$ kubectl apply -f deployment.yaml
deployment.apps/nginx-deployment created hari@lenovo:~$ kubectl create deployment react-ecommerce --image=hariprasath90/ecommerce:latest --replicas=2
deployment.apps/react-ecommerce created hari@lenovo:~$ kubectl get deployments NAME READY UP-TO-my-nginx 1/1 1 nginx-deployment 3/3 3
                                                          UP-TO-DATE
                                                                                AVAILABLE
                                                                                                    21h
34m
réact-ecommerce
                                            0/2
                                                                                0
0
                                                                                                     2m12s
react-ecommerce-service 0/2 1
hari@lenovo:~$ kubectl get deployments
                                                                                                    52m
NAME
                                            READY
                                                         UP-TO-DATE
                                                                               AVAILABLE
                                                                                                    AGE
                                            1/1
                                                                                                    21h
my-nginx
nginx-deployment
react-ecommerce
                                            0/2
                                                                                0
                                                                                                    6m23s
react-ecommerce-service
  ari@lenovo:~$
```

```
Restarting the docker service may improve performance.
192.168.49.2
hari@lenovo:~$ curl 192.168.49.2
curl: (7) Failed to connect to 192.168.49.2 port 80 after 1 ms: Couldn't connect to server
hari@lenovo:~$ curl 192.168.49.2:30340
<!DOCTYPE html>
<html>
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