# DEVOPS TASK – 5

root@Ubuntu2: /home/karthyayeni

```
🔴 The "docker" driver should not be used with root privileges. If you wish to continue as root, use --force.
💡 If you are running minikube within a VM, consider using --driver=none:
   https://minikube.sigs.k8s.io/docs/reference/drivers/none/
💡 Tip: To remove this root owned cluster, run: sudo minikube delete

🔥 The requested memory allocation of 1967MiB does not leave room for system overhead (total system memory: 1967MiB). You may face stability issues.
💡 Suggestion: Start minikube with less memory allocated: 'minikube start --memory=1967mb'

👍 Starting "minikube" primary control-plane node in "minikube" cluster
🚜 Pulling base image v0.0.46 ...
🔄 Restarting existing docker container for "minikube" ...
🐳 Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
🔎 Verifying Kubernetes components...
   ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
🌟 Enabled addons: default-storageclass, storage-provisioner
🏄 Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
root@Ubuntu2:/home/karthyayeni# nano deployment.yaml
root@Ubuntu2:/home/karthyayeni# kubectl create -f deployment.yaml
deployment.apps/java-maven created
root@Ubuntu2:/home/karthyayeni#
```
Minikube Start Issues

root@Ubuntu2: /home/karthyayeni

```
karthyayeni@Ubuntu2:~$ su --
Password:
root@Ubuntu2:/home/karthyayeni# docker images
REPOSITORY                  TAG      IMAGE ID       CREATED        SIZE
karthyayeni/java-maven      latest   64b6a6ad5cde   18 hours ago   563MB
karthyayeni/ecommerce       latest   a7a181611fad   2 days ago     195MB
karthyayeni/kavya           2        4fd2a29ab149   2 days ago     149MB
gcr.io/k8s-minikube/kicbase v0.0.46  e72c4cbe9b29   2 months ago   1.31GB
root@Ubuntu2:/home/karthyayeni#
```

```
Bonei Kubectl is now configured to use "minikube" cluster and "default" namespace by default
root@Ubuntu2:/home/karthyayeni# nano deployment.yaml
root@Ubuntu2:/home/karthyayeni# kubectl create -f deployment.yaml
root@Ubuntu2:/home/karthyayeni# kubectl expose deployment java-maven --port=8080 --type=NodePort
service/java-maven exposed
root@Ubuntu2:/home/karthyayeni# kubectl get services
NAME                      TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)         AGE
java-maven                NodePort    10.110.226.189  <none>        8080:31072/TCP  13s
kubernetes                ClusterIP   10.96.0.1       <none>        443/TCP         43h
nginx-deployment          NodePort    10.104.22.54    <none>        80:32042/TCP    40h
react-ecommerce-service   NodePort    10.111.146.25   <none>        80:30007/TCP    43h
root@Ubuntu2:/home/karthyayeni#
```
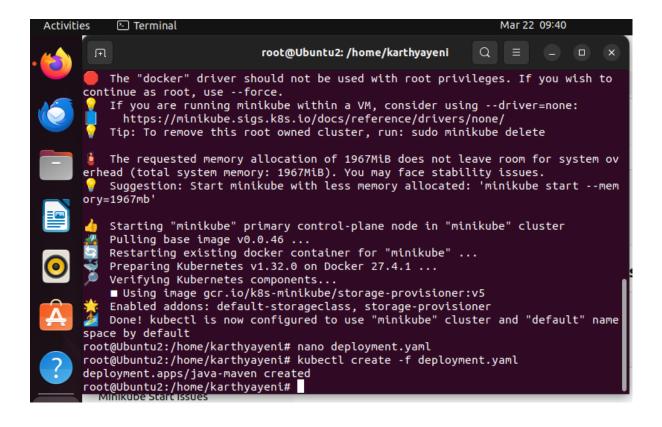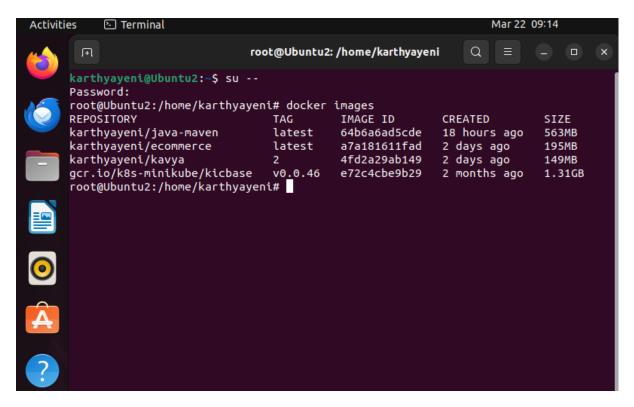
Activities    Terminal             Mar 22 13:47

ImagePullBackOff T ×    Inbox (1,781) - karth ×    Dashboard [Jenkins ×    PetClinic :: a Spring ×    Docker Hub  ×  +

root@Ubuntu2: /home/karthyayeni

```
dc19d1b007ba: Layer already exists
5f70bf18a086: Layer already exists
6fbdf02a6a33: Layer already exists
49cb1bc2daeb: Layer already exists
4e5b554b7345: Layer already exists
39cf0ac89a5a: Layer already exists
f844dcf94898: Layer already exists
3359bc3d7a6a: Layer already exists
4b7c01ed0534: Layer already exists
latest: digest: sha256:acda50aa3e0c38d7e3f6f5e8dcc395ff1de7833bae226d72299d9918aa41d95
c size: 2413
root@Ubuntu2:/home/karthyayeni# kubectl get pods
NAME                            READY   STATUS    RESTARTS        AGE
java-maven-bb78b8b4c-4kgbv      1/1     Running   0               157m
java-maven-bb78b8b4c-pqt5r      1/1     Running   0               157m
java-maven-bb78b8b4c-xzw5z      1/1     Running   0               157m
nginx-deployment-5db9468-9t2zg  1/1     Running   3 (149m ago)    44h
nginx-deployment-5db9468-jsdsz  1/1     Running   3 (149m ago)    44h
nginx-deployment-5db9468-k94bp  1/1     Running   3 (149m ago)    45h
nginx-deployment-5db9468-pscfw  1/1     Running   4 (149m ago)    45h
nginx-deployment-5db9468-wln2n  1/1     Running   3 (149m ago)    45h
react-ecommerce-59947785fd-9wv9d 1/1    Running   7 (140m ago)    46h
react-ecommerce-59947785fd-txbr2 1/1    Running   6 (149m ago)    46h
root@Ubuntu2:/home/karthyayeni#
```

Visibility

Public

Public

Storage

karthyayeni/kavya          3 days ago      IMAGE    Public

1–3 of 3

ImagePullBackOff ⌐ ✕    M Inbox (1,781) - karth ✕    Dashboard [Jenkins ✕    PetClinic :: a Spring ✕    Docker Hub ✕    +

**root@Ubuntu2: /home/karthyayeni**

```
nginx-deployment-5db9468-jsdsz        1/1      Running   3 (149m ago)   44h
nginx-deployment-5db9468-k94bp        1/1      Running   3 (149m ago)   45h
nginx-deployment-5db9468-pscfw        1/1      Running   4 (149m ago)   45h
nginx-deployment-5db9468-wln2n        1/1      Running   3 (149m ago)   45h
react-ecommerce-59947785fd-9wv9d      1/1      Running   7 (140m ago)   46h
react-ecommerce-59947785fd-txbr2      1/1      Running   6 (149m ago)   46h
root@Ubuntu2:/home/karthyayeni# kubectl create -f deployment.yaml
Error from server (AlreadyExists): error when creating "deployment.yaml": deployments.
apps "java-maven" already exists
root@Ubuntu2:/home/karthyayeni# kubectl expose deployment java-maven --port=8080 --typ
e=NodePort
Error from server (AlreadyExists): services "java-maven" already exists
root@Ubuntu2:/home/karthyayeni# kubectl get services
NAME                        TYPE         CLUSTER-IP       EXTERNAL-IP   PORT(S)
AGE
java-maven                  NodePort     10.110.226.189   <none>        8080:31072/TCP
3h41m
kubernetes                  ClusterIP    10.96.0.1        <none>        443/TCP
47h
nginx-deployment            NodePort     10.104.22.54     <none>        80:32042/TCP
44h
react-ecommerce-service     NodePort     10.111.146.25    <none>        80:30007/TCP
47h
root@Ubuntu2:/home/karthyayeni#
```

Visibility

Public

Public

Storage       karthyayeni/kavya       3 days ago    IMAGE    Public

1–3 of 3   ‹   ›

---

ImagePullBack ✕    M Inbox (1,781) - | ✕    Dashboard [Jer ✕    PetClinic :: a Sp ✕    Docker Hub ✕    PetClinic :: a Sp ✕    +    ∨

← → C    🛡   192.168.49.2:31072

qcewcwedcdwcdw

🌱 **spring**    ⌂ HOME   Q FIND OWNERS   ☰ VETERINARIANS    ERROR

**???welcome Aranganathan 79998wdd???**



Help

🌱 **spring** by Pivotal.

```
1b359cf]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
root@Ubuntu2:/home/karthyayeni/terraform# ls
local.tf    pets.txt    terraform.tfstate
root@Ubuntu2:/home/karthyayeni/terraform#
```

Check Terraform Version ×    M (no subject) - karthyayeni ×    spring-framework-petclin ×    Java #6 Console [Jenkins ×    +

localhost:8080/job/Java/6/console                                    110%

# Jenkins

Karthyayeni    log out

board > Java > #6

Status
Changes
Console Output
Edit Build Information
Delete build '#6'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
Replay
Pipeline Steps

## Console Output

Download    Copy    View as plain text

Skipping 98 KB.. Full Log

```
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/
plexus/15/plexus-15.pom
Progress (1): 4.1/28 kB
Progress (1): 8.2/28 kB
Progress (1): 12/28 kB
Progress (1): 16/28 kB
Progress (1): 20/28 kB
Progress (1): 25/28 kB
Progress (1): 28 kB


Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/
plexus/15/plexus-15.pom (28 kB at 206 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/
maven-surefire-common/3.2.3/maven-surefire-common-3.2.3.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/
surefire-api/3.2.3/surefire-api-3.2.3.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/
```

ImagePullBackOff Troubl ×    M (no subject) - karthyayeni ×    Devops-Tools-Setup/pron ×    Docker Hub    ×    +

https://hub.docker.com/repositories/karthyayeni

✦ New    Introducing our new CEO Don Johnson - Read More →    ×

dockerhub    Explore    My Hub    Search Docker Hub    Ctrl+K    K

karthyayeni
Docker Personal

Repositories
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage

## Repositories

All repositories within the **karthyayeni** namespace.

Search by repository name    All content    Create a repository

| Name | Last Pushed ↑ | Contains | Visibility | Scout |
|---|---|---|---|---|
| karthyayeni/java-maven | about 1 hour ago | IMAGE | Public | Inactive |
| karthyayeni/ecommerce | 2 days ago | IMAGE | Public | Inactive |
| karthyayeni/kavya | 3 days ago | IMAGE | Public | Inactive |

1-3 of 3