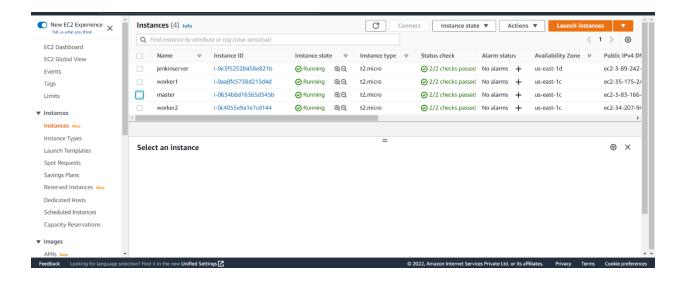
PHASE 5

PRACTICE PROJECT

SETTING UP JENKIN PIPELINE TO DEPLOY DOCKER SWARM

OUTPUT

CREATING INSTANCES



WORKER 2

WORKER 1

```
edirecting to /bin/systemctl start docker.service
ec2-user8ip-172-31-81-166 -]$ docker swarm join --token SWMTKN-1-05ba802629p01sw9xwkh4nezt65kxv12n6vsf2atmrqvj8mxw3-0j03yem09vduk9pcornrrbhyi 172.31.85.152:2377
of permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: connect: permission denied
ec2-user8ip-172-31-81-66 -]$ sudo docker swarm join \
--token SWMTKN-1-05ba802629p01sw9xwkh4nezt65kxv12n6vsf2atmrqvj8mxw3-0j03yem09vduk9pcornrrbhyi \
172.31.85.152:2377
his node joined a swarm as a worker.
ec2-user8ip-172-31-81-166 -]$ sudo docker info
ontainers: 0
Running: 0
images: 0
estver Version: 17.05.0-ce
estorage Driver: overlay2
Backing Filesystem: xfs
Supports d type: true
Native Overlay Diff: true
ogging Driver: gson-file
group Driver: groupfs
Plugins:
Velume Local
    i-0aa8fc5738d215d4d (worker1)
    PublicIPs: 35.175.247.140 PrivateIPs: 172.31.81.166
```

MASTER

```
cker docker-17.05.0-ce.tgz
«ce-user6ip-172-31-65-152 ~]5 sudo docker swarm init --advertice-addr 172.31.85.152
warm initialized: current node (n3ollschd34frm70y74yo8ymv) is now a manager.
   add a worker to this swarm, run the following command:
    \label{local_docker_swarm} \mbox{ join } \\ --\mbox{token SWMTKN-1-05b802629p01sw9xwkh4nezt65kxv12n6vsf2atmrqvj6mxw3-0j03yem09vduk9pcornrrbhyi $$172.31.68.152:2377$
 AVAILABILITY
Active
                                                                                                                                              MANAGER STATUS
Leader
                                                                                                                  AVAILABILITY
Active
                                                                                                                                              MANAGER STATUS
Leader
   cker docker-17.05.0-ce.tgz
c2-user@ip-172-31-85-152 ~]$ ls
  ocker docker-17.05.0-ce.tgz
ec2-user@ip-172-31-85-152 ~]$ sudo docker node ls
HOSTNAME
                                                                                                                  AVAILABILITY
  i-0634b6d16365d345b (master)
  PublicIPs: 3.83.166.36 PrivateIPs: 172.31.85.152
Feedback Looking for language selection? Find it in the new Unified Settings
```

```
-name jenkins-swarm-agent \
   -e LABELS=docker-prod \
     -mount "type=bind, source=/var/run/docker.sock, target=/var/run/docker.sock" \
     -mount "type=bind, source=/tmp/, target=/tmp/" \
    --secret source=jenkins-v1,target=jenkins \
   vfabric/jenkins-swarm-agent
 ec2-user@ip-172-31-85-152 ~]$ ls
 c2-user@ip-172-31-85-152 ~]$ sudo docker node ls
                                 HOSTNAME
ip-172-31-91-202.ec2.internal
ip-172-31-81-166.ec2.internal
ip-172-31-85-152.ec2.internal
                                                                                                       AVAILABILITY
                                                                                                                                 MANAGER STATUS
evj0hs53v91e4zl4hl38sh86
km7oxzbo2oiwepke1ak0k230
 ollschd34frm70y74y08ymv * ip-
c2-user@ip-172-31-85-152 ~]$
                                                                                                                                 Leader
i-0634b6d16365d345b (master)
PublicIPs: 3.83.166.36 PrivateIPs: 172.31.85.152
Feedback Looking for language selection? Find it in the new Unified Settings [2]
```

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JENKIN SERVER

```
[ec2-user8ip-172-31-16-109 -]$ sudo systemctl status jenkins
* jenkins.service - Jenkins Continuous Integration Server
Loaded: Joaded (Jusr/Lib/systemd/systems/system/jenkins.service renabled; vendor preset: disabled)
Active: active (running) since Sun 2022-10-99 09:17:05 UTC; las ago
Main PIDI 4196 (java)
Coroup: /systems.silce/jenkins.service
- 4196 /usr/kin/java - Djava.awi.headless-true - jar /usr/share/java/jenkins.war -- webroot=%C/jenkins/war -- httpPort=8080

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:16:34 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 09:17:05 jp-172-31-16-109, ec2. internal jenkins (4198); --

Oct 09 0
```

CREATING A PIPELINE IN JENKINS

