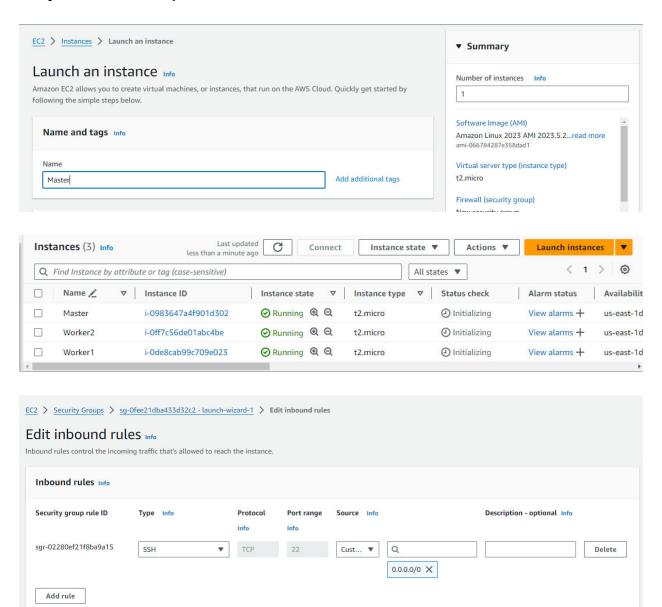
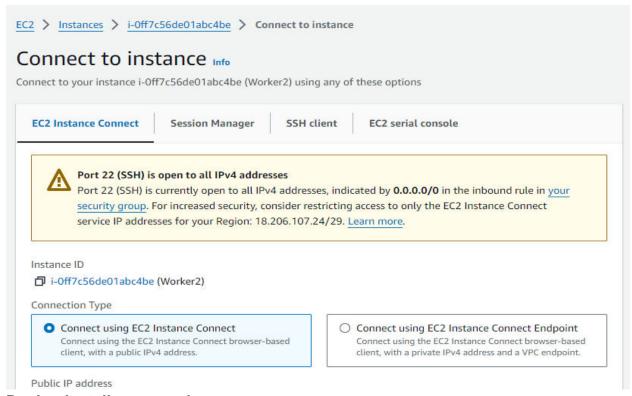
Name: Abhishek Chaurasiya

Class : D15B RollNo : 09

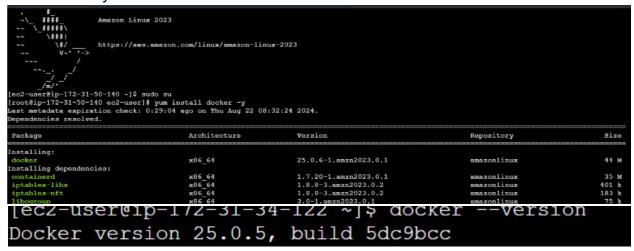
Subject: Adv. DevOps No. 03





Docker install commands:

- sudo dnf update -y6
- sudo dnf install -y docker
- sudo systemctl start docker
- sudo systemctl enable docker



Kubernetes commands:

- curl -LO "https://dl.k8s.io/release/v1.26.1/bin/linux/amd64/kubeadm"
- curl -LO "https://dl.k8s.io/release/v1.26.1/bin/linux/amd64/kubectl"6
- curl -LO "https://dl.k8s.io/release/v1.26.1/bin/linux/amd64/kubelet"
- sudo install -o root -g root -m 0755 kubeadm /usr/local/bin/kubeadm

- sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
- sudo install -o root -g root -m 0755 kubelet /usr/local/bin/kubelet
- kubeadm version
- kubectl version --client
- kubelet --version
- sudo tee /etc/systemd/system/kubelet.service <<EOF
- [Unit]
- Description=Kubernetes Kubelet
- Documentation=https://kubernetes.io/docs/home/
- After=network.target
- [Service]
- ExecStart=/usr/local/bin/kubelet
- Restart=always
- RestartSec=10
- LimitNOFILE=65536
- LimitNPROC=4096
- TimeoutStartSec=0
- KillMode=process
- [Install]
- WantedBy=multi-user.target
- EOF
- sudo systemctl daemon-reload
- sudo systemctl start kubelet
- sudo systemctl enable kubelet
- sudo kubeadm init
- mkdir -p \$HOME/.kube
- sudo cp -i /etc/kubernetes/admin.conf \$HOME/.kube/config
- sudo chown \$(id -u):\$(id -g) \$HOME/.kube/config

```
[ec2-user@ip-172-31-34-122 ~]$ kubeadm version
kubectl version --client
kubelet --version
kubelet --version: &version.Info{Major:"1", Minor:"26", GitVersion:"v1.26.1", GitCommit:"8f94681cd294aa8cfd3407b8191f6c70214973a4", GitTre
eState:"clean", BuildDate:"2023-01-18T15:56:50Z", GoVersion:"go1.19.5", Compiler:"gc", Platform:"linux/amd64"}
WARNING: This version information is deprecated and will be replaced with the output from kubectl version --short. Use --output=yaml|js
on to get the full version.
Client Version: version.Info{Major:"1", Minor:"26", GitVersion:"v1.26.1", GitCommit:"8f94681cd294aa8cfd3407b8191f6c70214973a4", GitTreeS
tate:"clean", BuildDate:"2023-01-18T15:58:16Z", GoVersion:"go1.19.5", Compiler:"gc", Platform:"linux/amd64"}
Kustomize Version: v4.5.7
Kubernetes v1.26.1
```

To clean:

sudo dnf clean all sudo dnf makecache sudo dnf update -y