



```
No VM guests are running outdated hypervisor (qemu) binaries on this host.

root@ip-172-31-82-74:/home/ubuntu# sudo mkdir -p /etc/docker

root@ip-172-31-82-74:/home/ubuntu# cat <<EOF | sudo tee /etc/docker/daemon.json

{
   "exec-opts": ["native.cgroupdriver=systemd"]
}

EOF
{
   "exec-opts": ["native.cgroupdriver=systemd"]
}
root@ip-172-31-82-74:/home/ubuntu# |
```

```
Executing: /usr/lib/systemd/systemd-sysv-install enable docker root@ip-172-31-82-74:/home/ubuntu# sudo systemctl daemon-reload root@ip-172-31-82-74:/home/ubuntu# sudo systemctl restart docker root@ip-172-31-82-74:/home/ubuntu# |
```

```
root@ip-172-31-82-74:/home/ubuntu# curl -fsSL https://pkgs.k8s.io/core:/stable:/v1.31/deb/Release.key sudo gpg --dearmor -o /etc/apt/keyrings/kubernetes-apt-keyring.gpg root@ip-172-31-82-74:/home/ubuntu# |
```

```
♦ ubuntu@ip-172-31-82-74;
                                                                                                                                                                                                                                                                                                                                                                                                              □ X ♠ root@i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          beadm join 172.31.82.74:6443 --token v4apv5.9pc40oo4zy7jibmo \
--discovery-token-ca-cert-hash sha256:5f5bfacdfc2ad857aee6a666334013d20d43223ab290f16227574924
                                  INKYA_PATIL MINGW64 ~/Downloads
"exp4.pem" ubuntu03.86.229.32
to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1012-aws x86_64)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -172-31-82-74;/home/ubuntu# skdir -p $\text{skmM}/\text{kube} \)

op =: \frac{1}{4};\text{finee}\text{ubuntu# skdir -p $\text{skmM}/\text{kube}/\text{config} \)

chown \text{fid =0} \text{skmM}/\text{kube}/\text{config} \)

-172-31-82-74;\text{home}\text{ubuntu# kubect] apply = f \)

/raw, \text{githubusture corrected}\text{suberct} \text{apply = f} \)

/raw, \text{githubusture corrected}\text{suberct} \text{apply = f} \)

/raw, \text{githubusture corrected}\text{in = f} \text{bectl apply = help f or usage}. \)

type://raw, \text{githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml: No such f \text{directory} \)
                                 information as of Thu Sep 26 08:56:56 UTC 2024
                              https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kuberflannel.yml: No such f directory
olivectory
ol
                     ded Security Maintenance for Applications is not enabled
          st login: Thu Sep 26 08:32:50 2024 from 125.99.93.18
untu@ip-172-31-82-74:~$ curl --head http://127.0.0.1:8080
               /1.1 200 oK
er: nginx/1.14.2
e: Thu, 26 Sep 2024 08:57:26 GMT
- Tyme: text/html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-82-74: None-Johnnius Full-Owner-Studenct get pous -1 appingfin: -0 Joonpa

318-27-21; hope-Qubuntuk lubectl port-formard PDD_MANE 8008-80

Is to forward port because pod is not running. Current status=Pending

31-82-74: None-Johnnius kubectl taint nodes --all node-role.kubernetes.io/

20-271 untainted

20-271 untainted update is required

-31-82-74: //none/Jubuntu# kubectl taint nodes --all node-role.kubernetes.io/

22-74 untainted
                                        ength: 612
fied: Tue, 04 Dec 2018 14:44:49 GMT
n: keep-alive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    intu@in-172-31-82-74:~$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   )
31-82-74:/home/ubuntu# kubectl port-forward $POD_NAME 8080:80
rom 127.0.0.1:8080 -> 80
rom [::1]:8080 -> 80
nection for 8080
```

```
root@ip-172-31-82-74:/home/ubuntu# kubectl get nodes
                               STATUS
                                             ROLES
                                                                                        VERSION
                                                                           AGE
 ip-172-31-82-74 Ready control-plane 5m24s v
root@ip-172-31-82-74:/home/ubuntu# kubectl get pods
                                                                                        v1.31.1
                                                            READY
                                                                           STATUS
                                                                                            RESTARTS
                                                                                                               AGE
 nginx-deployment-d556bf558-g4cln
nginx-deployment-d556bf558-z19p4
                                                            1/1
1/1
                                                                                                               3m27s
                                                                           Running
root@ip-172-31-82-74:/home/ubuntu# POD_NAME=$(kubectl get pods -l app=nginx -o jsonpath="{.items[0].met adata.name}")
root@ip-172-31-82-74:/home/ubuntu# kubectl port-forward $POD_NAME 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
                                                                          Running
```

```
root@ip-172-31-82-74:/home/ubuntu# kubectl get nodes
NAME STATUS ROLES AGE VERSION
ip-172-31-82-74 Ready control-plane 5m24s v1.31.1
root@ip-172-31-82-74:/home/ubuntu#|
```

root@ip-172-31-82-74:/home/ubuntu# kubectl apply -f https://k8s.io/examples/application/deployment.yaml deployment.apps/nginx-deployment created root@ip-172-31-82-74:/home/ubuntu#|

```
root@ip-172-31-82-74:/home/ubuntu# kubectl apply -f https://k8s.io/examples/application/deployment.yaml deployment.apps/nginx-deployment created root@ip-172-31-82-74:/home/ubuntu# kubectl get pods NAME READY STATUS RESTARTS AGE nginx-deployment-d556bf558-g4cln 0/1 Pending 0 17s nginx-deployment-d556bf558-z19p4 0/1 Pending 0 17s root@ip-172-31-82-74:/home/ubuntu#
```

```
root@ip-1/2-31-82-/4:/home/ubuntu# mkdir -p $HOME/.kube
    sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config
    sudo chown $(id -u):$(id -g) $HOME/.kube/config
    root@ip-1/2-31-82-74:/home/ubuntu# kubectl apply -f
https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml
error: flag needs an argument: 'f' in -f
See 'kubectl apply --help' for usage.
bash: https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml: No such f
ile or directory
    root@ip-172-31-82-74:/home/ubuntu# kubectl apply -f https://raw.githubusercontent.com/coreos/flannel/ma
ster/Documentation/kube-flannel.yml
namespace/kube-flannel created
clusterrole.rbac.authorization.k8s.io/flannel created
clusterrolebinding.rbac.authorization.k8s.io/flannel created
serviceaccount/flannel created
configmap/kube-flannel-cfg created
daemonset.apps/kube-flannel-ds created
root@ip-172-31-82-74:/home/ubuntu#
```