

<http://blog.51cto.com/ylw6006/2097303>

```
#!/usr/bin/bash
export CLUSTER_CIDR="10.1.0.0/16"
export ETCD_ENDPOINTS="http://172.16.103.184:2379,http://172.16.103.245:2379,http://172.16.103.246:2379"
export FLANNEL_ETCD_PREFIX="/coreos.com/network"
# source env.sh
```

iptables -nvL 查看现有的iptables规则, 发现
chain FORWARD链路 policy是DROP,以下命令修改

```
iptables -P FORWARD ACCEPT
```

k8s-node1

ETCD写入子网

```
etcdctl --endpoints=${ETCD_ENDPOINTS} set ${FLANNEL_ETCD_PREFIX}/config '{ "Network": "10.1.0.0/16" }'
etcdctl --endpoints=${ETCD_ENDPOINTS} get ${FLANNEL_ETCD_PREFIX}/config
```

配置flanneld

```
[root@k8s-node1 system]# cat /etc/sysconfig/flanneld
# Flanneld configuration options

# etcd url location. Point this to the server where etcd runs
FLANNEL_ETCD_ENDPOINTS="http://172.16.103.184:2379,http://172.16.103.245:2379,http://172.16.103.246:2379"

# etcd config key. This is the configuration key that flannel queries
# For address range assignment
FLANNEL_ETCD_PREFIX="/coreos.com/network"

# Any additional options that you want to pass
FLANNEL_OPTIONS=""
```

配置flanneld.service

```
[root@k8s-node1 system]# cat /usr/lib/systemd/system/flanneld.service
[Unit]
Description=Flanneld overlay address etcd agent
After=network.target
After=network-online.target
Wants=network-online.target
After=etcd.service
Before=docker.service

[Service]
Type=notify
```

```
EnvironmentFile=/etc/sysconfig/flanneld
EnvironmentFile=-/etc/sysconfig/docker-network
ExecStart=/usr/bin/flanneld-start --etcd-
endpoints=http://172.16.103.184:2379,http://172.16.103.245:2379,http://172.16.103.246:2379 --etcd-
prefix=/coreos.com/network
ExecStartPost=/usr/libexec/flannel/mk-docker-opts.sh -k DOCKER_NETWORK_OPTIONS -d /run/flannel/docker
Restart=on-failure
```

[Install]

WantedBy=multi-user.target

WantedBy=docker.service

生成flannel子网信息

```
[root@k8s-node1 system]# cat /run/flannel/docker
DOCKER_OPT_BIP="--bip=10.1.93.1/24"
DOCKER_OPT_IPMASQ="--ip-masq=true"
DOCKER_OPT_MTU="--mtu=1472"
DOCKER_NETWORK_OPTIONS="--bip=10.1.93.1/24 --ip-masq=true --mtu=1472"
```

```
[root@k8s-node1 system]# cat /run/flannel/subnet.env
FLANNEL_NETWORK=10.1.0.0/16
FLANNEL_SUBNET=10.1.93.1/24
FLANNEL_MTU=1472
FLANNEL_IPMASQ=false
[root@k8s-node1 system]#
```

k8s-node2

```
[root@k8s-node2 system]# cat /run/flannel/docker
DOCKER_OPT_BIP="--bip=10.1.55.1/24"
DOCKER_OPT_IPMASQ="--ip-masq=true"
DOCKER_OPT_MTU="--mtu=1472"
DOCKER_NETWORK_OPTIONS="--bip=10.1.55.1/24 --ip-masq=true --mtu=1472"
```

```
[root@k8s-node2 system]# cat /run/flannel/subnet.env
FLANNEL_NETWORK=10.1.0.0/16
FLANNEL_SUBNET=10.1.55.1/24
FLANNEL_MTU=1472
FLANNEL_IPMASQ=false
```