

PROJECT STEPS IPTABLES ,

Forward Rule

```
root@master:~#  
[root@master ~]# iptables -I FORWARD 1 -s 192.168.2.0/24 -m state --state NEW,ESTABLISHED,RELATED --j ACCEPT [root@master ~]#  
[root@master ~]#  
[root@master ~]# iptables -L  
Chain INPUT (policy ACCEPT)  
target prot opt source destination  
  
Chain FORWARD (policy ACCEPT)  
target prot opt source destination  
ACCEPT all -- 192.168.2.0/24 anywhere state NEW,RELATED,ESTABLISHED  
  
Chain OUTPUT (policy ACCEPT)  
target prot opt source destination  
[root@master ~]#  
[root@master ~]# |
```

INPUT RULE Iptables

```
root@master:~#  
[root@master ~]# iptables -I INPUT 1 -p tcp --dport 22 -j ACCEPT  
[root@master ~]#  
[root@master ~]#  
[root@master ~]# iptables -L  
Chain INPUT (policy ACCEPT)  
target prot opt source destination  
ACCEPT tcp -- anywhere anywhere tcp dpt:ssh  
  
Chain FORWARD (policy ACCEPT)  
target prot opt source destination  
ACCEPT all -- 192.168.2.0/24 anywhere state NEW,RELATED,ESTABLISHED  
ACCEPT all -- anywhere anywhere state NEW,RELATED,ESTABLISHED  
  
Chain OUTPUT (policy ACCEPT)  
target prot opt source destination  
[root@master ~]#
```

Masquerade Rule...

```
[root@master ~]# iptables -I FORWARD 1 -s 192.168.2.0/24 -m state --state NEW,ESTABLISHED,RELATED -j ACCEPT[root@master ~]#
[root@master ~]#
[root@master ~]# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination
ACCEPT     all  --  192.168.2.0/24         anywhere             state NEW,RELATED,ESTABLISHED

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

[root@master ~]# iptables -t nat -A POSTROUTING -s 192.168.2.0/24 -o ens33 -j MASQUERADE
[root@master ~]#
[root@master ~]# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target     prot opt source                destination

Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

Chain POSTROUTING (policy ACCEPT)
target     prot opt source                destination
MASQUERADE all  --  192.168.2.0/24         anywhere
```

Save-rule-command in iptables,,

```
[root@master ~]# iptables-save > /etc/sysconfig/iptables
[root@master ~]#
[root@master ~]#
[root@master ~]# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
ACCEPT     tcp  --  anywhere              anywhere            tcp dpt:ssh

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination
ACCEPT     all  --  192.168.2.0/24         anywhere            state NEW,RELATED,ESTABLISHED
ACCEPT     all  --  anywhere              anywhere            state NEW,RELATED,ESTABLISHED

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

[root@master ~]# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target     prot opt source                destination

Chain INPUT (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination

Chain POSTROUTING (policy ACCEPT)
target     prot opt source                destination
MASQUERADE all  --  192.168.2.0/24         anywhere
```