[root@master ~]# systemctl status firewalld

[root@master ~]# systemctl disable firewalld

[root@master ~]# yum search iptables

[root@master ~]# yum install iptables-services iptables-utils

[root@master ~]# systemctl start iptables

[root@master ~]# systemctl status iptables

[root@master ~]# iptables -L

[root@master ~]# iptables -t filter –L

Chain INPUT (policy ACCEPT)

target prot opt source destination

ACCEPT all -- anywhere anywhere state RELATED,ESTABLISHED

ACCEPT icmp -- anywhere anywhere

ACCEPT all -- anywhere anywhere

ACCEPT tcp -- anywhere anywhere state NEW tcp dpt:ssh

REJECT all -- anywhere anywhere reject-with icmp-host-prohibited

Chain FORWARD (policy ACCEPT)

target prot opt source destination

REJECT all -- anywhere anywhere reject-with icmp-host-prohibited

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

[root@master ~]# iptables -t mangle –L

Chain PREROUTING (policy ACCEPT)

target prot opt source destination

Chain INPUT (policy ACCEPT)

target prot opt source destination

Chain FORWARD (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

[root@master ~]# iptables -t raw –L

Chain PREROUTING (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

[root@master ~]# iptables --flush

[root@master ~]# iptables -F

[root@master ~]# iptables –L

Chain INPUT (policy ACCEPT)

target prot opt source destination

Chain FORWARD (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

[root@master ~]# systemctl restart iptables

[root@master ~]# iptables –L

Chain INPUT (policy ACCEPT)

target prot opt source destination

ACCEPT all -- anywhere anywhere state RELATED,ESTABLISHED

ACCEPT icmp -- anywhere anywhere

ACCEPT all -- anywhere anywhere

ACCEPT tcp -- anywhere anywhere state NEW tcp dpt:ssh

REJECT all -- anywhere anywhere reject-with icmp-host-prohibited

Chain FORWARD (policy ACCEPT)

target prot opt source destination

REJECT all -- anywhere anywhere reject-with icmp-host-prohibited

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

[root@master ~]# iptables -F

[root@master ~]# iptables –L

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 –d www.microsoft.com -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s www.microsoft.com -p tcp --sport=443 -j ACCEPT

[root@master ~]# nslookup www.microsoft.com

Server: 192.168.15.2

Address: 192.168.15.2#53

Non-authoritative answer:

www.microsoft.com canonical name = www.microsoft.com-c-3.edgekey.net.

www.microsoft.com-c-3.edgekey.net canonical name = www.microsoft.com-c-3.edgekey.net.globalredir.akadns.net.

www.microsoft.com-c-3.edgekey.net.globalredir.akadns.net canonical name = e13678.dscb.akamaiedge.net.

Name: e13678.dscb.akamaiedge.net

Address: 23.32.177.236

Name: e13678.dscb.akamaiedge.net

Address: 2600:1417:75:ca5::356e

Name: e13678.dscb.akamaiedge.net

Address: 2600:1417:75:ca1::356e

[root@master ~]# curl <https://www.microsoft.com>

<html><head><title>Microsoft Corporation</title><meta http-equiv="X-UA-Compatible" content="IE=EmulateIE7"></meta><meta http-equiv="Content-Type" content="text/html; charset=utf-8"></meta><meta name="SearchTitle" content="Microsoft.com" scheme=""></meta><meta name="Description" content="Get product information, support, and news from Microsoft." scheme=""></meta><meta name="Title" content="Microsoft.com Home Page" scheme=""></meta><meta name="Keywords" content="Microsoft, product, support, help, training, Office, Windows, software, download, trial, preview, demo, business, security, update, free, computer, PC, server, search, download, install, news" scheme=""></meta><meta name="SearchDescription" content="Microsoft.com Homepage" scheme=""></meta></head><body><p>Your current User-Agent string appears to be from an automated process, if this is incorrect, please click this link:<a href="http://www.microsoft.com/en/us/default.aspx?redir=true">United States English Microsoft Homepage</a></p></body></html>

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 -d 184.29.24.235 -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s 184.29.24.235 -p tcp --sport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 -d www.cisco.com -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s www.cisco.com -p tcp --sport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 -d 104.80.48.82 -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s 104.80.48.82 -p tcp --sport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.0/24 -d www.google.com -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.0/24 -s www.google.com -p tcp --sport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.0/24 -d www.wikipedia.com -p tcp --dport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.0/24 -s www.wikipedia.com -p tcp --sport=443 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 -d www.youtube.com -p tcp --dport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s www.youtube.com -p tcp --sport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables –F

[root@master ~]# iptables -A FORWARD -s 10.10.10.0/24 -d 192.168.15.2 -p udp --dport 53 -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.0/24 -s 192.168.15.2 -p udp --sport 53 -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.130 -d www.youtube.com -p tcp --dport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.130 -s www.youtube.com -p tcp --sport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables -A FORWARD -s 10.10.10.132 -d www.youtube.com -p tcp --dport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables -A FORWARD -d 10.10.10.132 -s www.youtube.com -p tcp --sport 443 -m state --state NEW,ESTABLISHED -j ACCEPT

[root@master ~]# iptables -D INPUT 1

[root@master ~]# iptables -A INPUT -i ens33 -p icmp -m length --length 128:65500 -j DROP

[root@master ~]# iptables -D INPUT 1

[root@master ~]# iptables -A INPUT -i ens33 -p icmp -m length --length 256:65500 –j DROP