

```
#  
# If you see inaccuracies in the results, please report at  
# https://www.arin.net/resources/registry/whois/inaccuracy\_reporting/  
#  
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#
```

```
[root@localhost ~]# iptables -A OUTPUT -p tcp -d 157.240.0.0/16 -j DROP  
Open browser and check whether http://facebook.com is accessible
```

To allow facebook use -D instead of -A option

```
[root@localhost ~]# iptables -D OUTPUT -p tcp -d 157.240.0.0/16 -j DROP  
[root@localhost ~]#
```

#### **6. Block Access to your system from specific MAC Address(say 0F:22:1E:00:02:30)**

```
[root@localhost ~]# iptables -A INPUT -m mac --mac-source 0F:22:1E:00:02:30 -j  
DROP [root@localhost ~]#
```

#### **7. Save IPtables rules to a file**

```
[root@localhost ~]# iptables-save >  
~/iptables.rules [root@localhost ~]# vi  
iptables.rules [root@localhost ~]#
```

#### **8. Restrict number of concurrent connections to a Server(Here restrict to 3 connections only)**

```
[root@localhost ~]# iptables -A INPUT -p tcp --syn --dport 22 -m connlimit --connlimit-above 3 -j  
REJECT
```

#### **9. Disable outgoing mails through IPtables**

```
[root@localhost ~]# iptables -A OUTPUT -p tcp --dport 25 -j REJECT  
[root@localhost ~]#
```

#### **10. Flush IPtables Firewall chains or rules**

```
[root@localhost ~]# iptables -F  
[root@localhost ~]#
```

```
student: bash — Konsole
File Edit View Bookmarks Settings Help

[student@localhost ~]$ su root
Password:
[root@localhost student]# systemctl start firewallld
[root@localhost student]# systemctl restart firewallld
sts[root@localhost student]# systemctl stop firewallld
[root@localhost student]# iptables -L -n -v
Chain INPUT (policy ACCEPT 105 packets, 20246 bytes)
  pkts bytes target     prot opt in     out     source                   destination
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
  pkts bytes target     prot opt in     out     source                   destination
Chain OUTPUT (policy ACCEPT 19 packets, 2719 bytes)
  pkts bytes target     prot opt in     out     source                   destination
[root@localhost student]# iptables -A INPUT -s 172.16.8.142 -j DROP
[root@localhost student]# iptables -A OUTPUT -p tcp --dport 80 -j DROP
[root@localhost student]# iptables -A OUTPUT -p tcp -d 172.16.8.142 /24 --dport 80 -j ACCEPT
Bad argument '/24'
Try 'iptables -h' or 'iptables --help' for more information.
[root@localhost student]# iptables -A OUTPUT -p tcp -d 172.16.8.142/24 --dport 80 -j ACCEPT
iptables v1.6.1: multiple -d flags not allowed
Try 'iptables -h' or 'iptables --help' for more information.
[root@localhost student]# iptables -A OUTPUT -p tcp -d 172.16.8.142/24 --dport 80 -j ACCEPT
[root@localhost student]# host facebook.com
facebook.com has address 157.240.23.35
facebook.com has IPv6 address 2a03:2880:f137:83:face:b00c:0:25de
facebook.com mail is handled by 10 smtpin.vvv.facebook.com.
[root@localhost student]# whois 157.240.23.35|grep CIDR
CIDR:        157.240.0.0/16
[root@localhost student]# whois 157.240.23.35
[Querying whois.arin.net]
[whois.arin.net]

#
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#
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#

NetRange:    157.240.0.0 - 157.240.255.255
CIDR:        157.240.0.0/16
NetName:     THEFA-3
NetHandle:   NET-157-240-0-0-1
Parent:      NET157 (NET-157-0-0-0-0)
NetType:     Direct Allocation
OriginAS:
Organization: Facebook, Inc. (THEFA-3)

student: bash
HOW TO TAKE SCREENSHOT... student: bash — Konsole <... student: bash — Konsole
9:19 AM
```

```
student: bash — Konsole
File Edit View Bookmarks Settings Help

Country:      US
RegDate:      2004-08-11
Updated:      2024-02-14
Ref:          https://rdap.arin.net/registry/entity/THEFA-3

OrgTechHandle: OPERA82-ARIN
OrgTechName:   Operations
OrgTechPhone:  +1-650-543-4800
OrgTechEmail:  noc@fb.com
OrgTechRef:    https://rdap.arin.net/registry/entity/OPERA82-ARIN

OrgAbuseHandle: OPERA82-ARIN
OrgAbuseName:   Operations
OrgAbusePhone:  +1-650-543-4800
OrgAbuseEmail:  noc@fb.com
OrgAbuseRef:    https://rdap.arin.net/registry/entity/OPERA82-ARIN

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#

[root@localhost student]# iptables -A OUTPUT -P TCP -D 157.240.0.0/16 -j DROP
iptables v1.6.1: Cannot use -P with -A

Try 'iptables -h' or 'iptables --help' for more information.
[root@localhost student]# iptables -A OUTPUT -p tcp -d 157.240.0.0/16 -j DROP
[root@localhost student]# iptables -D OUTPUT -p tcp -d 157.240.0.0/16 -j DROP
[root@localhost student]# iptables -A OUTPUT -p tcp -d 157.240.0.0/16 -j DROP
[root@localhost student]# iptables -D OUTPUT -p tcp -d 157.240.0.0/16 -j DROP
[root@localhost student]# iptables -A INPUT -m mac --mac-source 0F:22:1E:00:02:30 -j DROP
[root@localhost student]# iptables-save > /iptables.rules
[root@localhost student]# vi iptables.rules
[root@localhost student]# iptables -A INPUT -p tcp --syn --dport 80 -m connlimit --connlimit-above 3 -j
iptables v1.6.1: unknown option "--connlimit-above"
Try 'iptables -h' or 'iptables --help' for more information.
[root@localhost student]# iptables -A INPUT -p tcp --syn --dport 80 -m connlimit --connlimit-above 3 -j REJECT
iptables v1.6.1: unknown option "--connlimit-above"
Try 'iptables -h' or 'iptables --help' for more information.
[root@localhost student]# iptables -A INPUT -p tcp --syn --dport 80 -m connlimit --connlimit-above 3 -j REJECT
[root@localhost student]# iptables -A OUTPUT -p tcp --dport 80 -j REJECT
[root@localhost student]# iptables -F
[root@localhost student]#
```

**Result:**