Linux ????????iptables, firewalld

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- [Firewalld](#)
- [ufw-Uncomplicated Firewall](#)
- [???????](#)
- [??:??? iptables ????](#)

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- [IPFire](#)
  IPFire is a hardened, versatile, state-of-the-art Open Source firewall based on Linux. Its ease of use, high performance in any scenario and extensibility make it usable for everyone.
- [pfSense](#)
  pfSense® software is a free, open source customized distribution of FreeBSD specifically tailored for use as a firewall and router that is entirely managed via web interface.

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```
# iptables -L -n -v
# iptables -L -n -v --line-numbers
# iptables -L INPUT -n -v --line-numbers
```

- -L : List rules.
- -v : Display detailed information. This option makes the list command show the interface name, the rule options, and the TOS masks. The packet and byte counters are also listed, with the suffix 'K', 'M' or 'G' for 1000, 1,000,000 and 1,000,000,000 multipliers respectively.
- -n : Display IP address and port in numeric format. Do not use DNS to resolve names. This will speed up listing.

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```
# service iptables stop
# service iptables start

# iptables -F
# iptables -X
# iptables -t nat -F
# iptables -t nat -X
# iptables -t mangle -F
# iptables -t mangle -X
# iptables -P INPUT ACCEPT
# iptables -P OUTPUT ACCEPT
```

```
# iptables -P FORWARD ACCEPT
```

- -F : Deleting (flushing) all the rules.
- -X : Delete chain.
- -t table_name : Select table (called nat or mangle) and delete/flush rules.
- -P : Set the default policy (such as DROP, REJECT, or ACCEPT).

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```
# iptables -L INPUT -n --line-numbers
# iptables -L OUTPUT -n --line-numbers
# iptables -L OUTPUT -n --line-numbers | less
# iptables -L OUTPUT -n --line-numbers | grep 202.54.1.1
```

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```
# iptables -D INPUT 4
```

?????? IP ???
```
# iptables -D INPUT -s 202.54.1.1 -j DROP
```

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```
# iptables -L INPUT -n --line-numbers
```

??? 1-2 ??????
```
# iptables -I INPUT 2 -s 202.54.1.2 -j DROP
```

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For RedHat/CentOS/Fedora Linux
```
# service iptables save
```

For other Linux distro.
```
# iptables-save > /root/my.active.firewall.rules
# cat /root/my.active.firewall.rules
```

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For other Linux distro.
```
# iptables-restore < /root/my.active.firewall.rules
```

For RedHat/CentOS/Fedora Linux
```
# service iptables restart
```

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