



# ?????ipset ?????

ipset

```
# IP
firewall-cmd --permanent --new-ipset=trusted_servers --type=hash:ip

# IP
firewall-cmd --permanent --ipset=trusted_servers --add-entries-from-file=/tmp/trusted-ips.txt

#
firewall-cmd --permanent --zone=public --add-rich-rule='rule family="ipv4" source ipset="trusted_servers" accept'
```

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6320 80 6320 80

# ?????

ipset + firewall

- 
- SSH HTTP
- ipset IP

ipset

N N-1 N \* (N-1)

ipset Linux IP MAC set

firewalld iptables

- IP
- IP ipset

# ?????

□□□□

- • □□□□□□ root □ sudo □□□
- • □□□□□□□□□□ IP□□□□□□
- • □□□□□□□□□□ Ansible□ SaltStack□□□□□□□□□□
- • □□□□□□□□□□ [https://gitcode.com/JasonChenn/batch\\_operation.git](https://gitcode.com/JasonChenn/batch_operation.git)

## ?1????? IP ????????

□□□□□□□□□□ trusted-ips.txt □□□□□□□□□□□□□□ IP

□□ trusted-ips.txt :

```
10.0.0.91
10.0.0.92
10.0.0.93
# ... □□□80□IP□□□□□□
10.0.0.170
```

## ?2????? IP ????????

□□□□□□ scp □□□□ trusted-ips.txt □□□□□□□□□□ □□□□

□□ scp □□□

```
scp trusted-ips.txt root@10.0.0.91:/tmp/
scp trusted-ips.txt root@10.0.0.92:/tmp/
# ... □□□□□□□□□□□□
```

## ?3????????????? firewallld

□ □□□ □□□□□□□□□□□□ ipset □□□□□□□□

```

# 1. ipset trusted_servers
# --type=hash:ip
sudo firewall-cmd --permanent --new-ipset=trusted_servers --type=hash:ip

# 2. IP
sudo firewall-cmd --permanent --ipset=trusted_servers --add-entries-from-file=/tmp/trusted-ips.txt

# 3. trusted_servers IP
# public zone zone
sudo firewall-cmd --permanent --zone=public --add-source=ipset:trusted_servers

# 4.
sudo firewall-cmd --permanent --zone=public --add-rich-rule='rule family="ipv4" source ipset="trusted_servers" accept'

# 5.
sudo firewall-cmd --reload

```

## ?4????????????????

90% !

“ ”

ipset IP 10.0.0.91  
SSH firewallld public

ipset “ IP ” “ ssh ”  
IP SSH

public

```
sudo firewall-cmd --zone=public --list-all
```

services: ssh









99%



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Revision #1

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