Блокировка источников динамическим листом IP с UFW

????????????? ??????????? ??????:

```
apt-get -y install ipset
```

??????? ???? ????:

```
ipset create "IP_ipsum4_block" hash:ip
```

????????? ???? ???????? ?? ????????????? ????? IPsum (????????????? ??? level 4 - very low false positives) ? ????????? ? ???? `/etc/ipset.rules`:

```
ipset flush "IP_ipsum4_block"; for IP in $(wget -O -
https://raw.githubusercontent.com/stamparm/ipsum/master/levels/4.txt); do ipset add "IP_ipsum4_block" $IP;
done; ipset save > /etc/ipset.rules
```

????????? ?????????? ?????????? ????? ? crontab (??? ????????????? ???????????: `crontab -e`):

```
0 0 * * * ipset flush "IP_ipsum4_block"; for IP in $(wget -O -
https://raw.githubusercontent.com/stamparm/ipsum/master/levels/4.txt); do ipset add "IP_ipsum4_block" $IP;
done; ipset save > /etc/ipset.rules
```

??? ????????????? ipset ??? ???????????? ??????? ? CRON:

```
crontab -e
```

???????? ?????? ? ??????? ? ???????????:

```
@reboot ipset restore < /etc/ipset.rules; ufw reload
```

Переустановка UFW

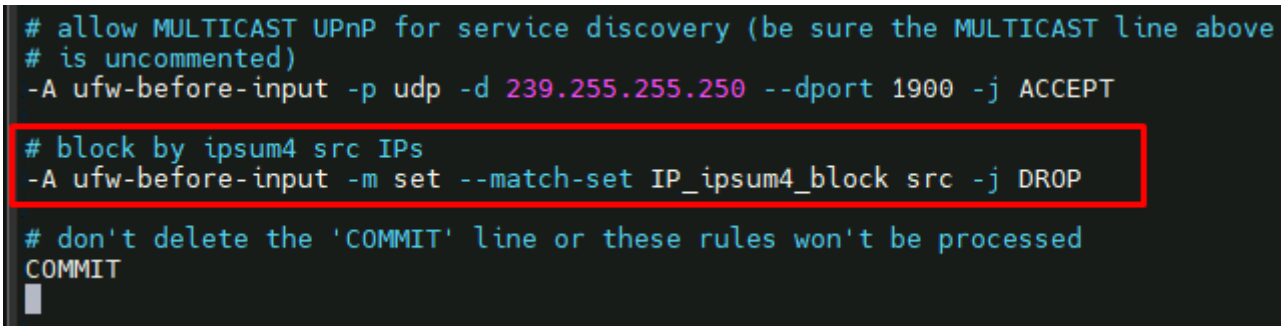
```
sudo apt-get purge --auto-remove ufw
sudo apt-get install ufw
sudo ufw allow 22/tcp
sudo ufw enable
sudo ufw reload
```

????? ??????? ??????? ? UFW:

```
sudo nano /etc/ufw/before.rules
```

???????? ????????? ???????? ?? COMMIT:

```
# block by ipsum4 src IPs
-A ufw-before-input -m set --match-set IP_ipsum4_block src -j DROP
```



????????????? UFW:

```
sudo ufw reload
```

?????????, ??? ??????? ??????????? (??????????? ?????? ?????? ????????? ? ?????? ??????):

```
sudo iptables -S ufw-before-input
```

Полезные команды UFW

```
ufw status verbose
ufw allow in on eth0 from 203.0.113.102
ufw allow from 203.0.113.103 proto tcp to any port 22
ufw allow proto tcp from any to any port 80,443
ufw allow from 203.0.113.0/24 to any port 3306
sudo ufw allow 13647:13650/tcp
ufw deny out 25
ufw status numbered
ufw delete 13
ufw --force delete 13
ufw reset
```

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