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# DPI(Deep Packet Inspection)

- <https://secretsni.kilho.net/> - SecretSNI( )
- <https://github.com/ValdikSS/GoodbyeDPI> - GoodbyeDPI
- <https://github.com/Include-sys/GUI-for-GoodbyeDPI> - GoodbyeDPI-GUI
- <https://safevisit.org/ko> - SafeVisit


: <https://terzeron.com/confluence/pages/viewpage.action?pageId=34734083>

- Windows GoodbyeDPI GUI for GoodbyeDPI DPI
- Linux DPI , MTU , zapret  
notsodeep 가 가
- notsodeep zapret 가 iptables 가
- zapret 가 가

## MTU

- 
- MTU 220 400 가  
◦ [https://www.clien.net/service/board/cm\\_mac/13158762](https://www.clien.net/service/board/cm_mac/13158762)  
MTU , 가 220  
DPI 가
- ◦ MTU

## notsodeep



notsodeep 가 가 .

: <https://github.com/farukuzun/notsodeep>

```
# Debian
sudo apt-get install libnetfilter-queue-dev libc6-dev

# RedHat
yum install libnetfilter_queue-devel compat-glibc
```

```
git clone https://github.com/farukuzun/notsodeep.git
cd notsodeep
make
sudo nohup ./notsodeep &
```

## iptables

```
iptables TCP connection handshake NFQUEUE notsodeep
```

```
sudo iptables -A INPUT -p tcp --tcp-flags SYN,ACK SYN,ACK --sport 443 -j
NFQUEUE --queue-num 200 --queue-bypass
sudo iptables -t raw -I PREROUTING -p tcp --sport 80 --tcp-flags SYN,ACK
SYN,ACK -j NFQUEUE --queue-num 200 --queue-bypass
```

```
, -s IP
notsodeep
```

```
sudo iptables -I INPUT -s < IP> -p tcp --tcp-flags SYN,ACK SYN,ACK --
sport 443 -j ACCEPT
```

```
-A -I
```

## firewalld rule

```
firewall-cmd --permanent --direct --passthrough ipv4 -I INPUT 1 -p tcp --
tcp-flags SYN,ACK SYN,ACK --sport 443 -j NFQUEUE --queue-num 200 --queue-
bypass
firewall-cmd --permanent --direct --passthrough ipv4 -t raw -I PREROUTING 1
-p tcp --sport 80 --tcp-flags SYN,ACK SYN,ACK -j NFQUEUE --queue-num 200 --
queue-bypass

firewall-cmd --reload
```

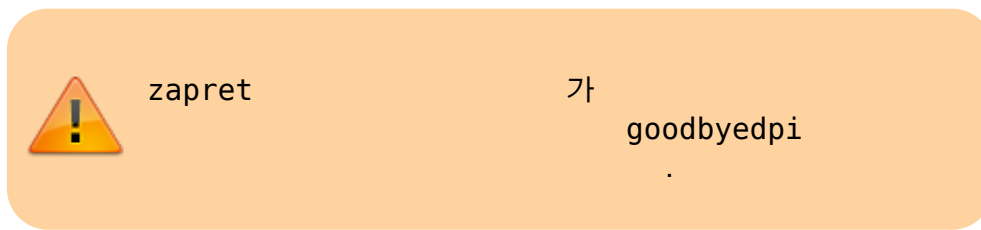
```
cd /tmp
```

```
git clone https://github.com/farukuzun/notsodeep.git
cd notsodeep
make
cd ..
sudo su
cp -R notsodeep /opt
cp /opt/notsodeep/notsodeep.service /etc/systemd/system/
systemctl enable notsodeep.service
iptables -A INPUT -p tcp --tcp-flags SYN,ACK SYN,ACK --sport 443 -j NFQUEUE
--queue-num 200 --queue-bypass
iptables -t raw -I PREROUTING -p tcp --sport 80 --tcp-flags SYN,ACK SYN,ACK
-j NFQUEUE --queue-num 200 --queue-bypass

apt install iptables-persistent

netfilter-persistent save
```

## zapret ( )



: <https://github.com/bol-van/zapret>

debian 11 .

```
root@dpi:~# apt install vim unzip git curl wget
```

## zapret clone

```
root@dpi:~# git clone https://github.com/bol-van/zapret
Cloning into 'zapret'...
remote: Enumerating objects: 4171, done.
remote: Counting objects: 100% (782/782), done.
remote: Compressing objects: 100% (416/416), done.
remote: Total 4171 (delta 370), reused 769 (delta 365), pack-reused 3389
Receiving objects: 100% (4171/4171), 41.13 MiB | 8.24 MiB/s, done.
Resolving deltas: 100% (2208/2208), done.
```

## ISP

ISP . zapret  
blockcheck.sh .

```
root@dpi:~# cd zapret/  
root@dpi:~/zapret# ./install_bin.sh  
x86_64 is OK  
installing binaries ...  
linking : ../binaries/x86_64/ip2net => /root/zapret/ip2net  
linking : ../binaries/x86_64/mdig => /root/zapret/mdig  
linking : ../binaries/x86_64/nfqws => /root/zapret/nfq  
linking : ../binaries/x86_64/tpws => /root/zapret/tpws  
  
###      ISP      /  
root@dpi:~/zapret# ./blockcheck.sh  
...  
* SUMMARY  
ipv4 xvideos.com curl_test_http : tpws --hostcase  
ipv4 xvideos.com curl_test_http : nfqws --hostcase  
ipv4 xvideos.com curl_test_https_tls12 : working without bypass  
  
press enter to continue
```

가 ISP warning  
xvideos.com . SUMMARY tpws --hostcase nfqws  
--hostcase 가 가 .

```
root@dpi:~/zapret# ./install_easy.sh
```

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Last update: 2023/01/30 10:46

