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DPI(Deep Packet Inspection)

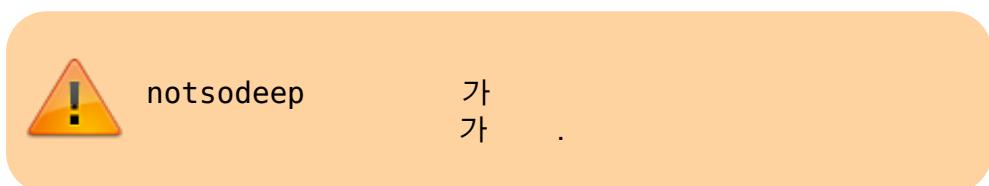
- <https://secretsni.kilho.net/> - SecretSNI()
 - <https://github.com/ValdikSS/GoodbyeDPI> - GoodbyeDPI
 - <https://github.com/Include-sys/GUI-for-GoodbyeDPI> - GoodbyeDPI-GUI
 - <https://safevisit.org/ko> - SafeVisit

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

MTU

- MTU 220 400 가
 - https://www.clien.net/service/board/cm_mac/13158762
 - MTU , 가 220
 - DPI 가
 - ◦ MTU

notsodeep



: <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
```

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/farukszun/notsodeep.git
```

```

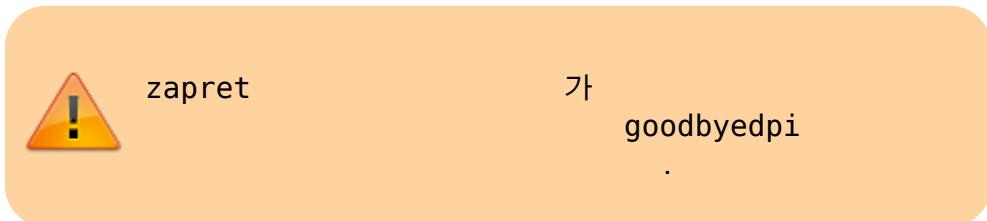
cd notsodeep
make
cd ..
sudo su
cp -R notsodeep /opt
cp /opt/notsodeep/notsodeep.service /etc/systemd/system/
systemctl enable notsodeep.service
iptables -A INPUT -p tcp --tcp-flags SYN,ACK SYN,ACK --sport 443 -j NFQUEUE
--queue-num 200 --queue-bypass
iptables -t raw -I PREROUTING -p tcp --sport 80 --tcp-flags 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
blockcheck.sh zapret

```
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	SUMMARY	tpws --hostcase	nfqws -
xvideos.com					
-hostcase	가	가	.	.	.

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

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