

(antihong@tt.co.kr)

가 .
가 가 .

1. tcpdump
tcpdump 가
. tcpdump
<http://www.tcpdump.org/>
<http://rpmfind.net/> tcpdump . ,
libpcap . tcpdump
tcp dump udp,icmp
가 가 .
tcpdump man tcpdump

tcpdump -h .
tcpdump version 3.6.3
libpcap version 0.6

BPF(Berkeley Packet Filter) ,
가 . 가

tcpdump -i eth1
tcpdump eth0
eth0 -i eth1

tcpdump port 80
()

tcpdump dst port 80 ' tcpdump src port 80 '
가 port .

tcpdump host 211.47.66.50

```

ip ( )
가 IP
tcpdump dst host 211.47.66.50 tcpdump src host 211.47.66.50 '
가 host

# tcpdump port 80 -X
80 hex ascii

# tcpdump host 211.47.66.50 and port 80
IP IP가 211.47.66.50 , 가 80 http
or 가 and

# tcpdump -i eth1 port 80
eth1 가 80

# tcpdump port 80 and not host 1.1.1.1
가 80 ip가 1.1.1.1

# tcpdump -i eth1 arp
eth1 arp

# tcpdump -i eth1 -e
eth1 mac

# tcpdump -i eth1 net 10.64.4.0 mask 255.255.255.0
eth1 ip 10.64.4.0/24

# tcpdump -n
dump ip (reverse lookup)

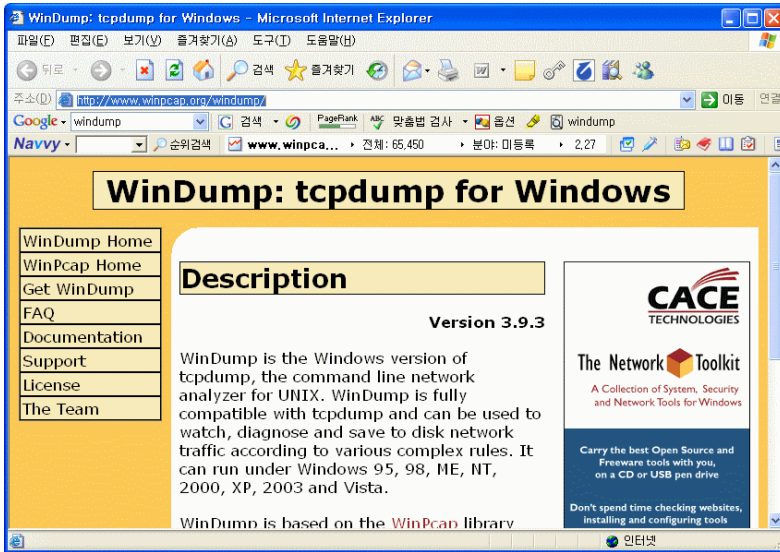
```

2. windump

```

tcpdump가 windows windump
windump http://www.winpcap.org/windump/ 가
tcpdump windows tcpdump
tcpdump libpcap 가
windump winpcap

```



[] windump

Windows

GUI

ethereal(<http://www.ethereal.com/>)

BPF

3. snort

snort . snort IDS() ,

(payload)

tcpdump -X

snort

. snort (./configure ; make; make

<http://www.snort.org/>)

install

libpcap

snort

tcpdump

BPF

,

-vde

-v : (verbose)

-d : (Application Layer)

hex ascii

-e : MAC

(Layer 2)

“snort -vde ”

MAC 가,

IP 가

. ***AP***

tcp flag

ACK

PSH

가

ascii가

가

mail.server.com

pop3

02/19-16:17:56.790278 0:2:FC:8:C4:A0 -> 0:50:8B:9A:1B:1B type:0x800 len:0x3C

```

10.2.3.4:110 -> 10.2.4.39:1763 TCP TTL:121 TOS:0x0 ID:22164 IpLen:20
DgmLen:40
***AP*** Seq: 0x2B9D2415 Ack: 0x6405A45C Win: 0x16D0 TcpLen: 20

2B 4F 4B 20 50 4F 50 33 20 73 74 61 66 66 73 2E +OK POP3 mail.
74 74 2E 63 6F 2E 6B 72 20 76 32 30 30 31 2E 37 server.com v2001.7
38 72 68 20 73 65 72 76 65 72 20 72 65 61 64 79 8rh server ready
0D 0A

```

4. ngrep

```

ngrep network grep
(http://www.packetfactory.net/projects/ngrep/) http://rpmfind.net/ rpm
가 . ngrep tcpdump snort
snort
가
, tcpdump snort
BPF 가

```

```
# ngrep -qi -c 80 port 80
```

```

T 221.xxx.68.251:3414 -> 211.47.xx.xx:80 [AP]
GET /tt/site/skin/member/CONNECT_LIST/SITE_CONNECT_LIST/images/title_all.gif
HTTP/1.1..Accept: /*.*.Referer: http://test.tt.co.kr/tt/site/ttmember.c
gi?act=connect_list..Accept-Language: ko..Accept-Encoding: gzip, deflate..l
f-Modified-Since: Tue, 21 Feb 2006 06:19:41 GMT..If-None-Match: "2a4043-77-
43fab0fd"..User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; M
axthon; i-NavFourF; InfoPath.1; .NET CLR 1.1.4322)..Host: test.tt.co.kr..
Connection: Keep-Alive..Cookie: WRITE=store_user_info=0&; X2VID=Z4402067
F93; oldserver=done; _home_test_public_html_tt_site_
SESSION_ID=ee641d3190188207f3320f075f1c2b10....

```

```

port 80
. -c 80 80 가
.

```

```
# ngrep -qwi 'user|pass' port 110
```

```

T 211.47.xx.xx:2502 -> 211.47.xx.xx:110 [AP]
USER antihong..
T 211.47.xx.xx:110 -> 211.47.xx.xx:2502 [AP]
+OK User name accepted, password please..

```

T 211.47.xx.xx:4567 -> 211.47.xx.xx:110 [AP]

PASS sdlkjlf sdf.

port 110

(-i) user ' pass '

ngrep -tW byline port 80

#

T 2006/03/13 17:30:16.416882 222.xxx.xx.254:4767 -> 211.47.xx.xx:80 [AP]

GET /tt/site/skin/member/CONNECT_LIST/SITE_CONNECT_LIST/images/bt_profile.gif
HTTP/1.1.

Accept: */*.

Referer: http://test.tt.co.kr/tt/site/ttmember.cgi?act=connect_list.

Accept-Language: ko.

Accept-Encoding: gzip, deflate.

If-Modified-Since: Tue, 21 Feb 2006 06:19:41 GMT.

If-None-Match: "2a403f-1eb-43fab0fd".

User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; i-NavFourF).

Host: custom.tt.co.kr.

Connection: Keep-Alive.

Cookie: WRITE=store_user_info=0&; main_ttnews_276_no_popup=20060116;

X2VID=Z43D56FAC3AF43; main_ttnews_281_no_popup=20060208;

Recruit200603=done; oldserver=done;

_home_test_public_html_tt_site_SESSION_ID=9796a3f30d4473ca6c7382e8a7ab42b6.

##

T 2006/03/13 17:30:16.418319 211.47.xx.xx:80 -> 222.235.xx.xxx:4767 [AP]

HTTP/1.1 304 Not Modified.

Date: Mon, 13 Mar 2006 08:30:16 GMT.

Server: Microsoft-IIS/5.0.

Connection: Keep-Alive, Keep-Alive.

Keep-Alive: timeout=15, max=99.

ETag: "2a403f-1eb-43fab0fd".

-t 가 , -W byline 가

가 .

가 , ngrep ngrep --help

가 가 가 ,

?

ngrep > cap.txt

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가

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