
3 Scan

	scan

3.1

가

가

,

(stealth) ,

o : SAINT, sscan2k, vetescan, mscan

o : cgiscan, winscan, rpcscan

o : nmap, stealthscan

o : firewalk, nmap

가

PC Linux

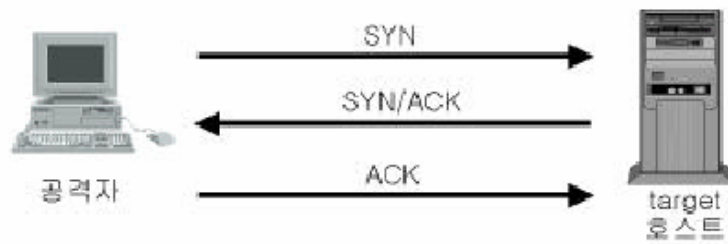
3.1.1

(port scan) . 가 가

TCP (standard TCP connection port scan) .

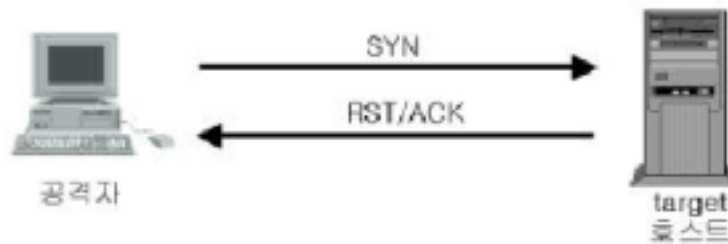
TCP TCP/ IP 3 - way handshake . Target

가 .



target
target 가 t arg et
SYN/ACK
ACK 3 - way h andsh ake

Target 가



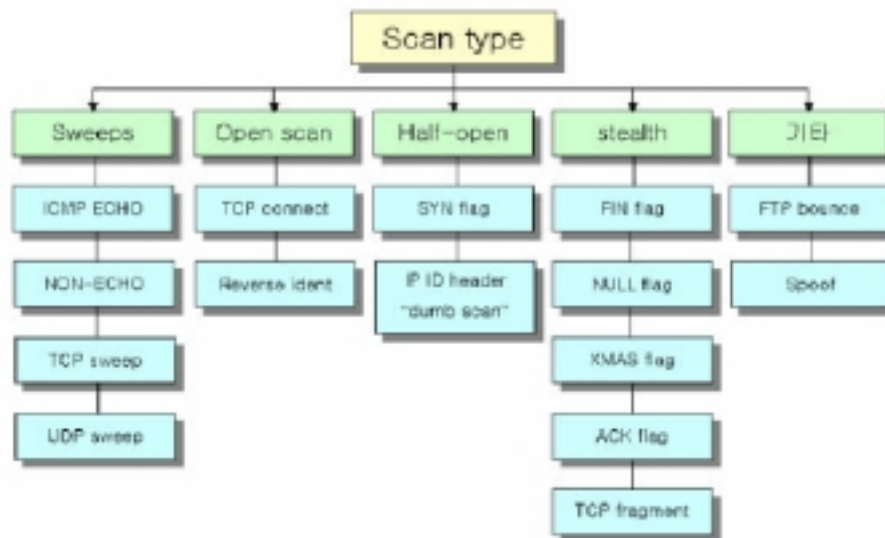
targ et
target 가 t arg
et RST/ ACK

가 TCP

가

가 scanning

scanning



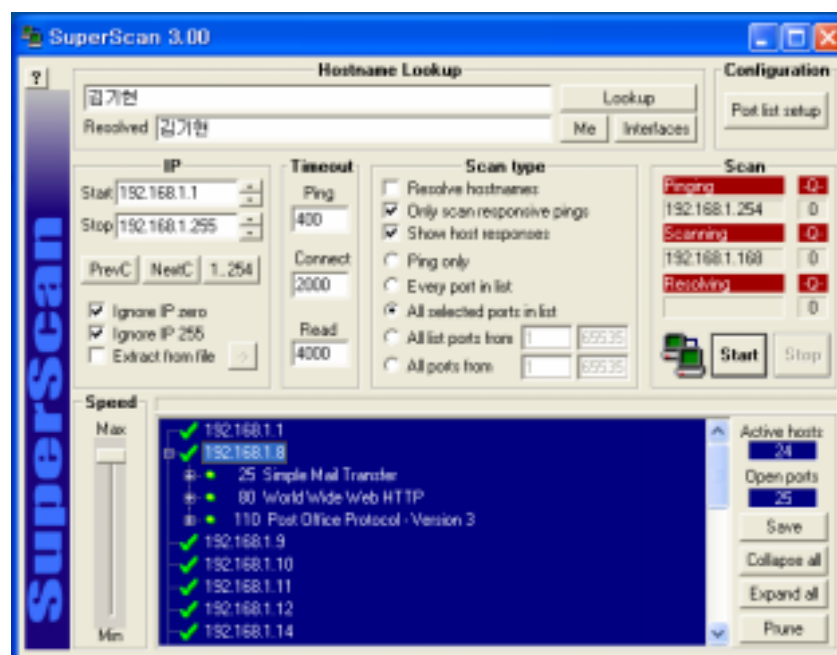
scanning target , target

topology

IDS firewall

target

windows scan



scan IP start target

IP

3.1.2 mscan vs. sscan

sscan '98 6 mscan johann sebastian
bach 가 '99 1 0.1

sscan mscan (?)

CERT

sscan '98 mscan

95/98, NT

'98 가

sscan 가

sscan

가 . sscan sscan

가 가

sscan mscan

		mscan	sscan	
		○	○	
		○	○	
QPOP root		○	○	
IMAP root		○	○	
Sendmail EXPN			○	
solaris x86 listen/nlps_serv root			○	
mSQL 2.0			○	
bind/iquery			○	
CGI	/cgi-bin/phf	○	○	
	/cgi-bin/Count.cgi		○	
	/cgi-bin/test-cgi	○	○	
	/cgi-bin/php.cgi		○	
	/cgi-bin/handler	○	○	
	/cgi-bin/webgais		○	
	/cgi-bin/websemail		○	
	/cgi-bin/webdist.cgi		○	
	/cgi-bin/faxsurvey		○	
	/cgi-bin/htmlscript		○	
	/cgi-bin/pfdisplay.cgi		○	
	/cgi-bin/perl.exe		○	

	/cgi-bin/wwwboard.pl		○	
	(31337)		○	
NFS				
- export		○	○	
- / 가				
mountd			○	
Statd		○	○	
solaris NIS (rpc.nisd)			○	
solaris nlockmgr			○	
X11				
- X , 가		○	○	
Wingate			○	
FINGER				
- (default : root, guest)			○	
-				
			○	
Named		○		
IRIX default		○		

mscan

sscan

<http://www.hwa-security.net>

/TainingToolKit/Scan/sscan2k-pre6.HWA.tar.gz Linux PC

①

```
# gzip -d sscan2k-pre6.HWA.tar.gz
```

② tar

```
# tar xvf sscan2k-pre6.HWA.tar
```

③

```
# make
```

④

```
# sscanconfig
```

⑤ sscan

```
# sscan (-o hostname | -s) (-c configfile)
Options:
  -c <config> : specify an alternate config file.
  -o <host>    : specify a single host to scan.
  -e <script>  : use this script in addition to default.
  -m : skip all hardcoded checks and just use script file.
  -s : accept host's to scan from stdin.
```

sscan

o

```
./sscan domainname.co.kr/24
```

```
      : C      가      ping
```

o DNS

```
./tools/z0ne -o domain.com | ./sscan -s > outputfile
```

```
      : -s      IP      , z0ne
```

```
IP
```

o

```
./sscan -vo www.victim.com
```

```
:
```

ssan

```
# ./sscan www.civtim.com/24
-----<[ * report for host xxx.xxx.xxx.97 *
<[ tcp port: 80 (http) ] > <[ tcp port: 23 (telnet) ] >
<[ tcp port: 143 (imap) ] > <[ tcp port: 110 (pop -3) ] >
<[ tcp port: 111 (sunrpc) ] > <[ tcp port: 79 (finger) ] >
<[ tcp port: 25 (smtp) ] > <[ tcp port: 21 (ftp) ] >
<[ tcp port: 22 (unknown) ] > <[ tcp port: 1114 (unknown) ] >
--<[ *OS*: xxx.xxx.xxx.97: os detected: solaris 2.x
-<[ *FINGER*: xxx.xxx.xxx.97: root: account exists.
-<[ *FINGER*: xxx.xxx.xxx.97: guest: account exists.
```

```
--<[ *VULN*: xxx.xxx.xxx.97: /cgi-bin/test-cgi here.
--<[ *VULN*: xxx.xxx.xxx.97: solaris running statd (automountd remote?) ^Q
--<[ *VULN*: xxx.xxx.xxx.97: solaris running nlockmgr.. remote overflow? ^M
-----<[ * scan of xxx.xxx.xxx.97 completed *
-----<[ * report for host xxx.xxx.xxx.252 *
<[ tcp port: 80 (http) ] > <[ tcp port: 143 (imap) ] >
<[ tcp port: 110 (pop -3) ] > <[ tcp port: 111 (sunrpc) ] >
<[ tcp port: 79 (finger) ] > <[ tcp port: 53 (domain) ] >
<[ tcp port: 2766 (unknown) ] > <[ tcp port: 25 (smtp) ] >
<[ tcp port: 21 (ftp) ] >
--<[ *OS*: xxx.xxx.xxx.252: os detected: solaris 2.x
-<[ *NFS exp0rt*: xxx.xxx.xxx.252: to: everyone! => dir: /export/home/thanawat ] >-
-<[ *NFS exp0rt*: xxx.xxx.xxx.252: to: netscape2.mfec.co.th dir: / ] >-

.....
```

sscan

가 .

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3.2

PC csan . Windows
 ftp superscan

 .
 o /root/Question/Q03/superscan.exe
Linux PC ftp
root .
 o /root/Question/Q03/sscan2k-pre6.HWA.tar.gz

가. Windows scan superscan .

. Linux scan sscan scan .