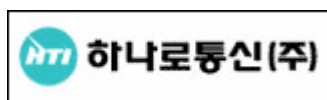


# Project: DMZS-Biatchux(F.I.R.E. )

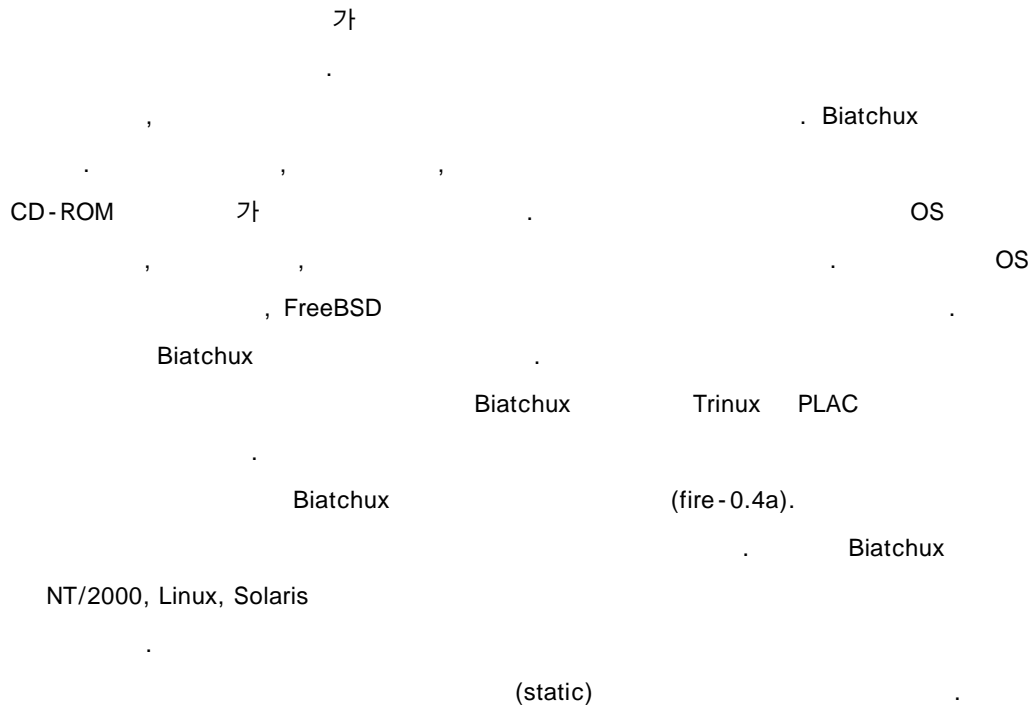
## Bootable CD fire-0.4a

2003.5.20

jjshim AT Hanaro.com



# Biatchux(F.I.R.E.)



## Biatchux:

Biatchux

Biatchux

CD-ROM

## Biatchux

Biatchux

CD-ROM

가

(Salusky Zendian)

fire-0.4a

578MB

ISO

ISO

CD

(loopback)

```
# mkdir FIRE_image
# mkdir /mnt/image
# cd FIRE_image
# wget http://aleron dl.sourceforge.net/sourceforge/biatchux/fire-0.4a.iso
# mount -o ro,loop fire-0.4a.iso /mnt/image
```

```
[root@F_I_R_E root]# cd /opt/
[root@F_I_R_E opt]# mkdir FIRE_image
[root@F_I_R_E opt]# cd FIRE_image/
[root@F_I_R_E FIRE_image]# wget http://aleron dl.sourceforge.net/sourceforge/biatchux/fire-0.4a.iso
--14:16:00-- http://aleron dl.sourceforge.net/sourceforge/biatchux/fire-0.4a.iso
0
=> `fire-0.4a.iso'
Resolving aleron dl.sourceforge.net... done.
Connecting to aleron dl.sourceforge.net[204.157.3.229]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 606,765,056 [text/plain]

2% [ ] 13,213,320 217.20K/s ETA 44:28
```

```
[root@F_I_R_E FIRE_image]# mount -o ro,loop fire-0.4a.iso /mnt/image/
[root@F_I_R_E FIRE_image]# ls -l /mnt/image/
total 17
-r-xr-xr-x 1 root root 53 Nov 20 2002 autorun.inf
dr-xr-xr-x 3 root root 2048 May 6 07:14 docs
-r--r--r-- 1 root root 5 May 15 02:16 FIRE-v0.4a.ver
dr-xr-xr-x 2 root root 2048 May 14 14:22 fs
dr-xr-xr-x 2 root root 2048 May 14 14:21 pkgs
dr-xr-xr-x 6 root root 2048 Feb 16 13:35 statbins
dr-xr-xr-x 22 root root 8192 May 11 11:16 win32
[root@F_I_R_E FIRE_image]#
```

가 . statbins 2.4.20 x86 2.7  
가 static (www.incident-response.org ) NT/2000  
(Cygwin ) , win32 NT/2000 가  
. Biatchux 0.4a Red Hat 7.3 gcc 2.96, kernel version 2.4.20 .

## Biatchux

CD-R CD-ROM Biatchux CD .  
BIOS CD-ROM 가 .  
CD-ROM 5 가 :

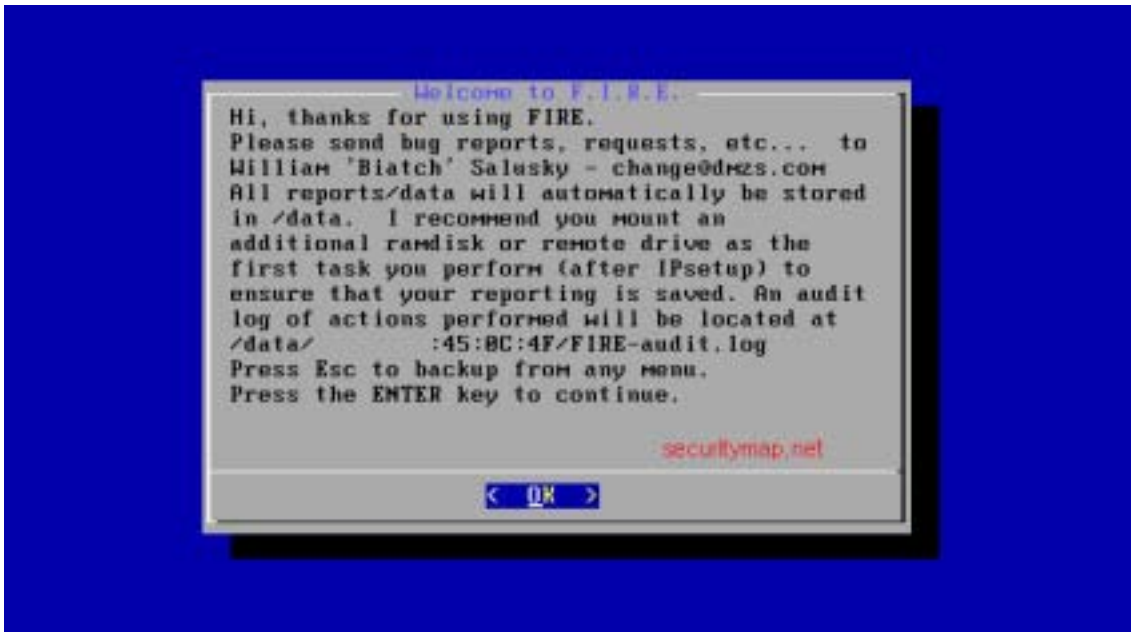
1. Fire
2. Fire-serial
3. Fire-X(800 600)
4. Fire-X(1024 768)
5. Memtest



Biatchux - serial , . Memtest x86 PC

Biatchux /lib /usr CD-ROM cramfs  
, CD-ROM ramdisk . CD-  
ROM .tgz RAM , CD-ROM

“Welcom to F.I.R.E.” ( 1). Biatchux



1. F.I.R.E.

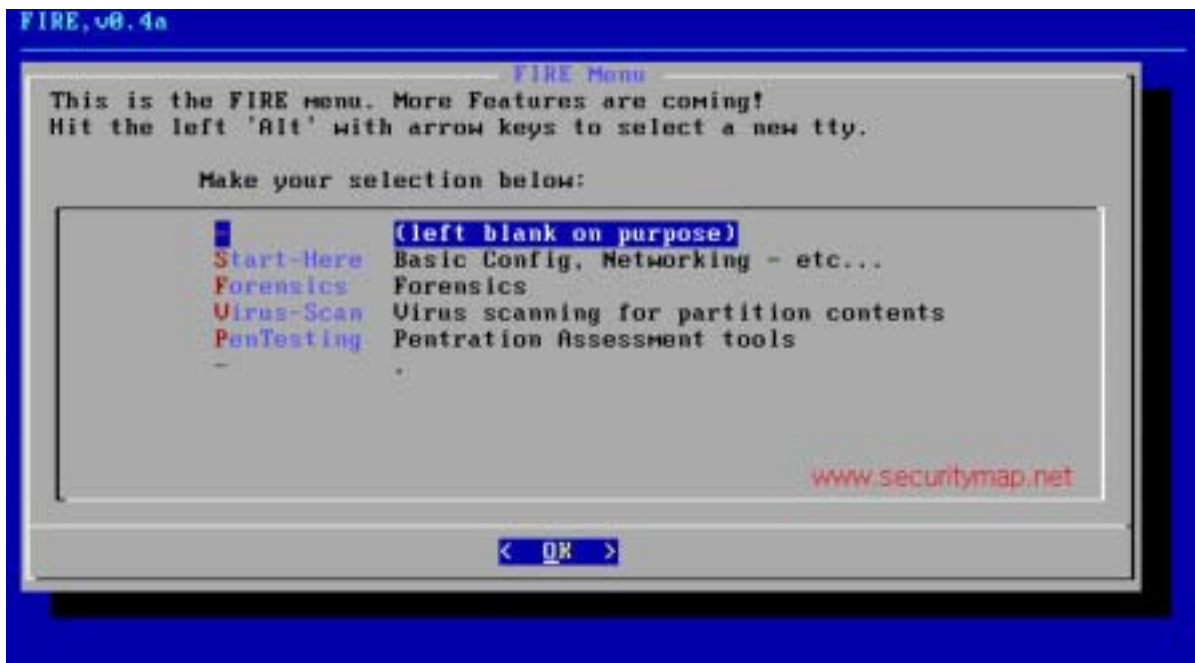
1 Enter 4 가

**Start-Here** Basic Config, Networking – etc...

**Forensics** Forensics

**Virus-Scan** Virus scanning for partition contents

**PenTesting** Penetration Assessment tools



2. Biatchux

Start-Here

( 3).

IP , DHCP IP .  
VNC 가 CD-ROM IP VNC  
가



3. Start-Here

MountDataDrv

( 4)

ramdisk

NFS SMB

USB-Drive

Firewire-Drv

USB

USB

( )

netcat ncftp scp ramdisk

Biatchux 0.4a tftp Apache

가 netcat /data

(ex IP: 192.168.10.100)

```
$ nc -l -p 3147 > forensic_data.tar
```

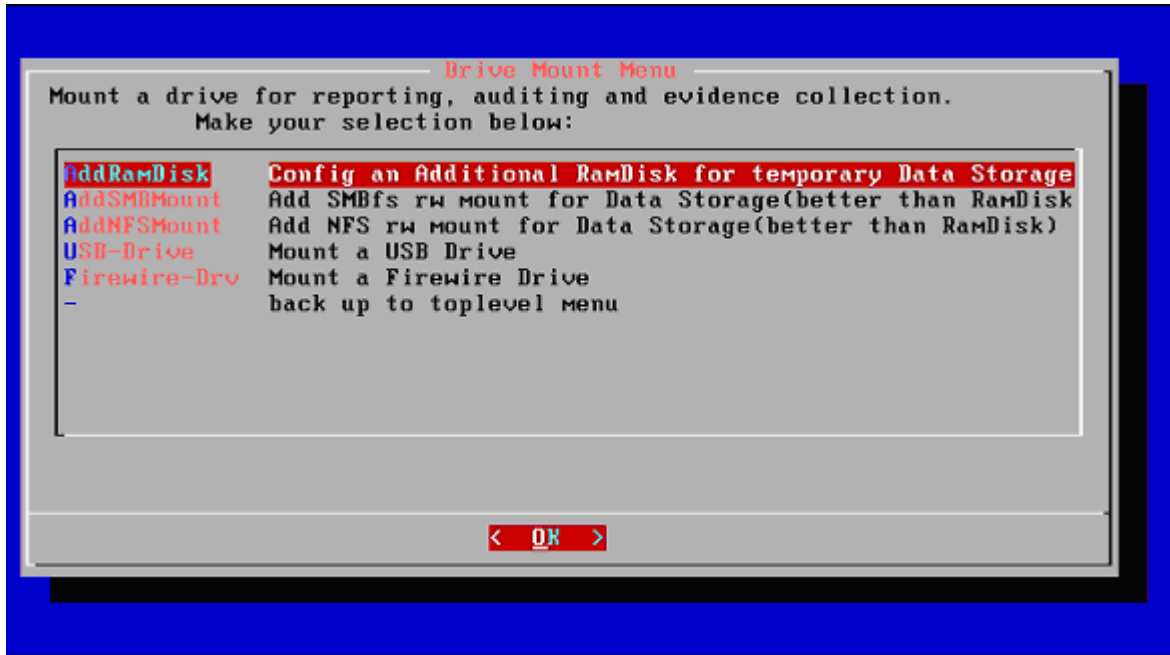
Biatchux data :

```
# cd /data
```

```
# tar cf - . | nc -nv 192.168.10.100 3147
```

/data

RAM



#### 4. Drive Mount

Start-Here

가 가  
 . 가 가  
 /data  
 (F1~F7) . 가 (ALT+F1)

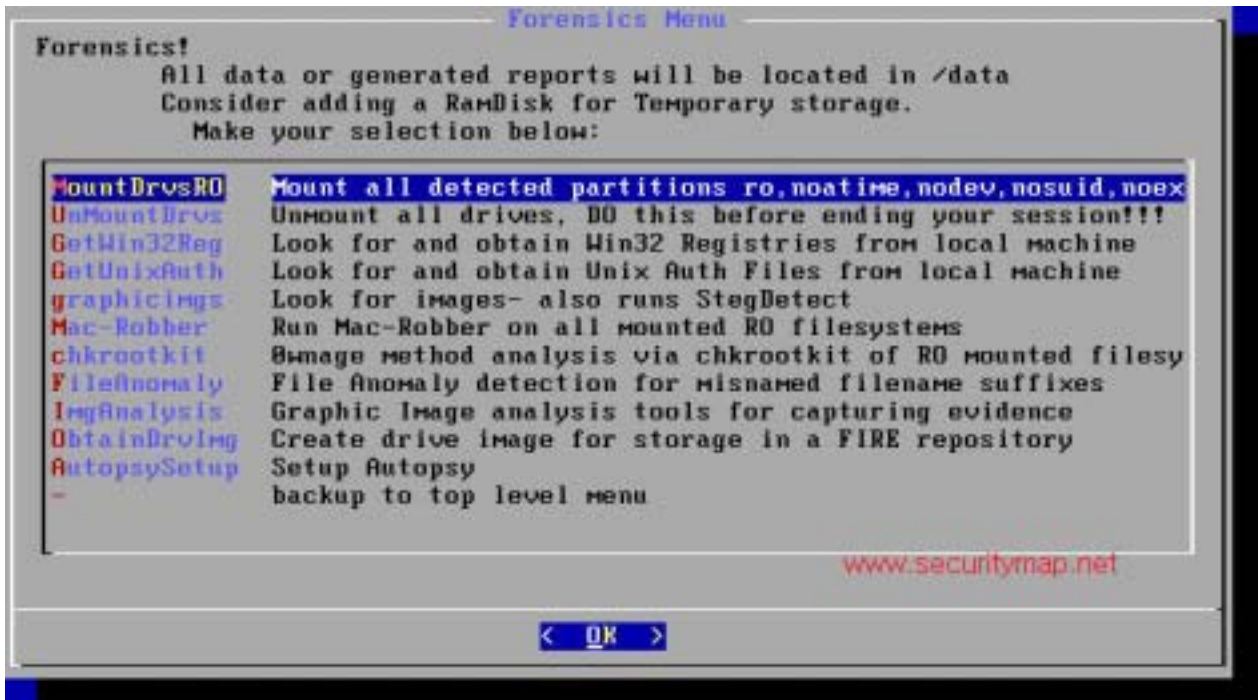
ALT

### Biatchux

/data mac-robber  
 Biatchux Win32  
 가  
 , autopsy  
 가

### Virus-Scan

. F-Port DOS, Windows, Linux F-Port Biatchux  
 signature  
 Biatchux가 CD-R cramfs  
 signature 가  
 signature



## 5. Forensics



## 6. Virus Scanning



. Biatchux static

CD-ROM

Biatchux

Isof, netstat, ls mac-robber( )

. Biatchux

가 LKM

가

가

가

md5

netcat dd

. md5

md5

Fingerprint

. Biatchux

incident-response.org

, Isof, netcat

NT/2000

OS

Cygwin

Biatchux CD-ROM

CD-ROM

가

Biatchux CD-ROM

biatchux.exe

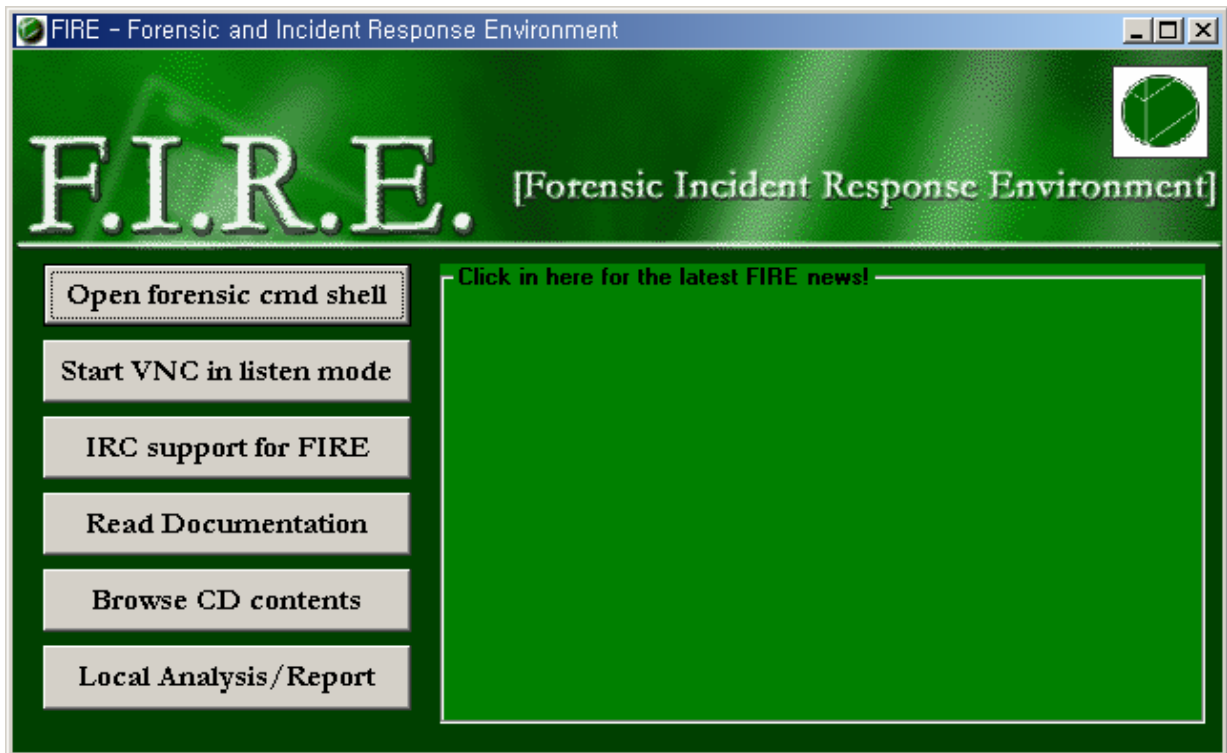
가

5

CD-ROM

biatchux.exe

cmdenv.bat



7. F.I.R.E. CD-ROM

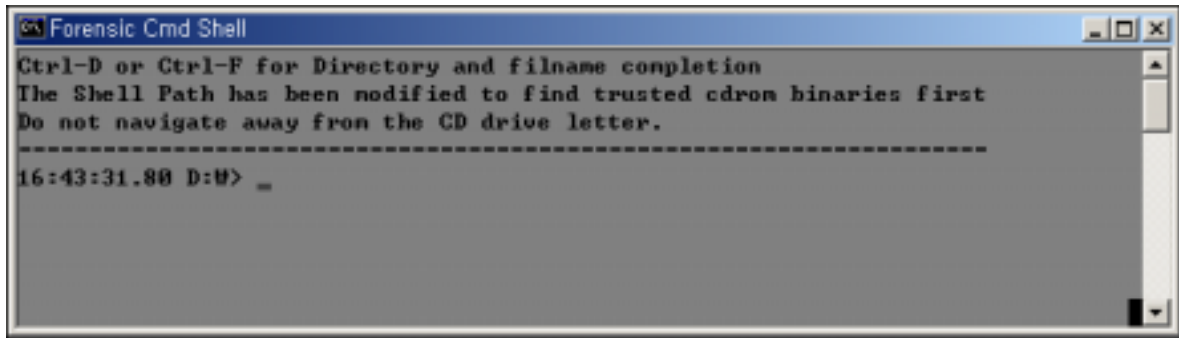
(cmdenv.bat)

CD-ROM cmd.exe

PATH

CD-ROM

8



8. Forensics cmd shell

dmzs.com

IRC

IRC

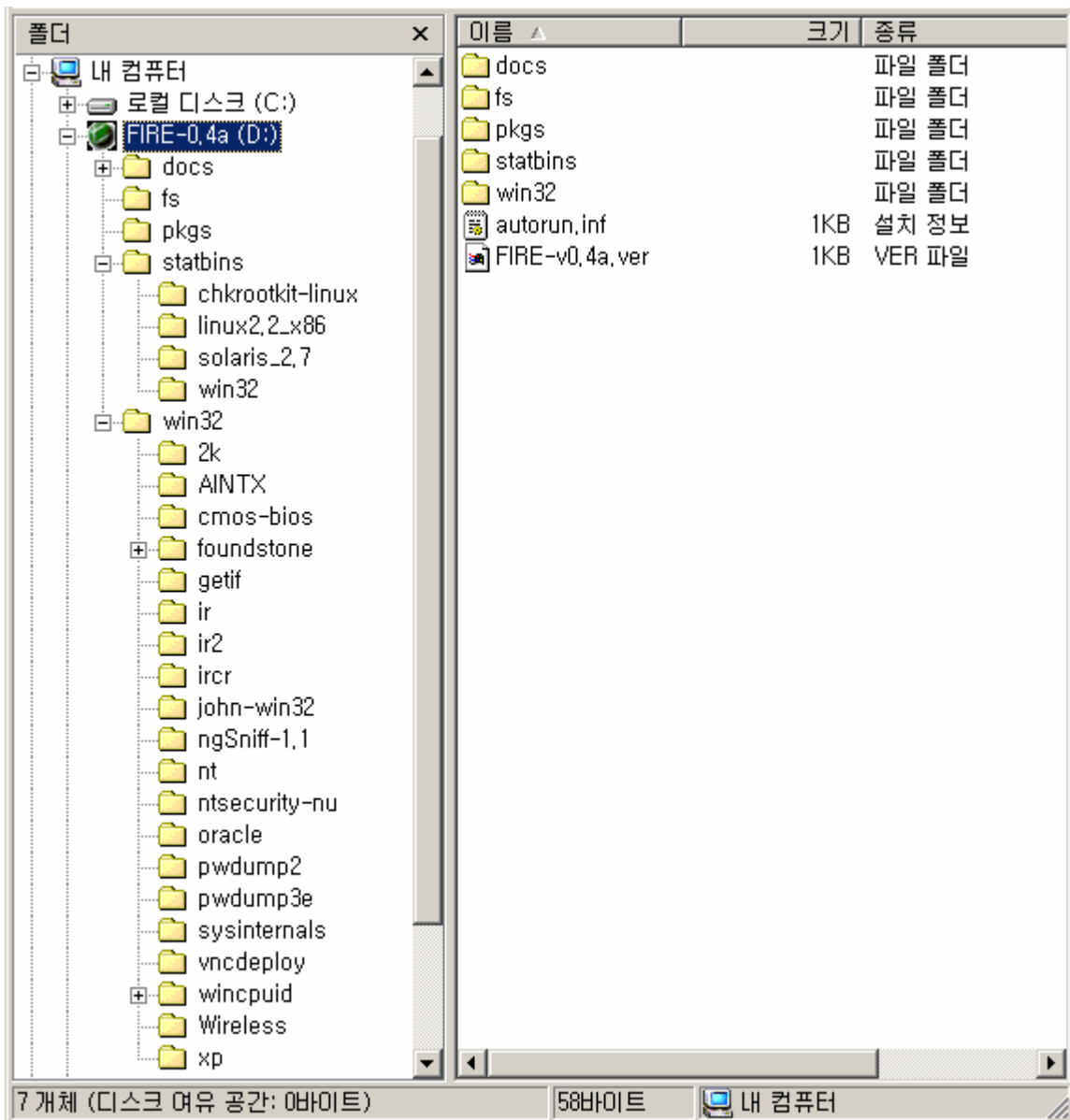
VNC

가

Biatchux

9

Biatchux CD-ROM



9. F.I.R.E. CD-ROM

Cygwin (Win32 ):

ansi2knr.exe	basename.exe	bison.exe	bzip2.exe	bunzip2.exe
bzip2recover.exe	cat.exe	chgrp.exe	chmod.exe	chown.exe
cksum.exe	cmp.exe	comm.exe	compress.exe	cp.exe
csplit.exe	cut.exe	date.exe	dd.exe	df.exe
diff.exe	diff3.exe	dirname.exe	du.exe	echo.exe
egrep.exe	env.exe	expand.exe	expr.exe	factor.exe
fgrep.exe	find.exe	flex.exe	fmt.exe	fold.exe
gawk.exe	make.exe	grep.exe	gsar.exe	gunzip.exe
gzip.exe	head.exe	id.exe	install.exe	join.exe
less.exe	ln.exe	logname.exe	ls.exe	m4.exe
md5sum.exe	mkdir.exe	mkfifo.exe	mknod.exe	mv.exe
mkdir.exe	nl.exe	od.exe	paste.exe	patch.exe
pathchk.exe	pr.exe	printenv.exe	printf.exe	ptx.exe
recode.exe	rm.exe	rman.exe	rmdir.exe	sdiff.exe
sed.exe	seq.exe	sleep.exe	sort.exe	sh.exe
shar.exe	split.exe	stego.exe	su.exe	sum.exe
sync.exe	tac.exe	tail.exe	tar.exe	tee.exe
test.exe	touch.exe	tr.exe	uname.exe	unexpand.exe
uniq.exe	unshar.exe	uudecode.exe	uuencode.exe	wc.exe
wget.exe	which.exe	whoami.exe	xargs.exe	yes.exe
zcat.exe				

Linux static

(Kernel 2.2 X86)

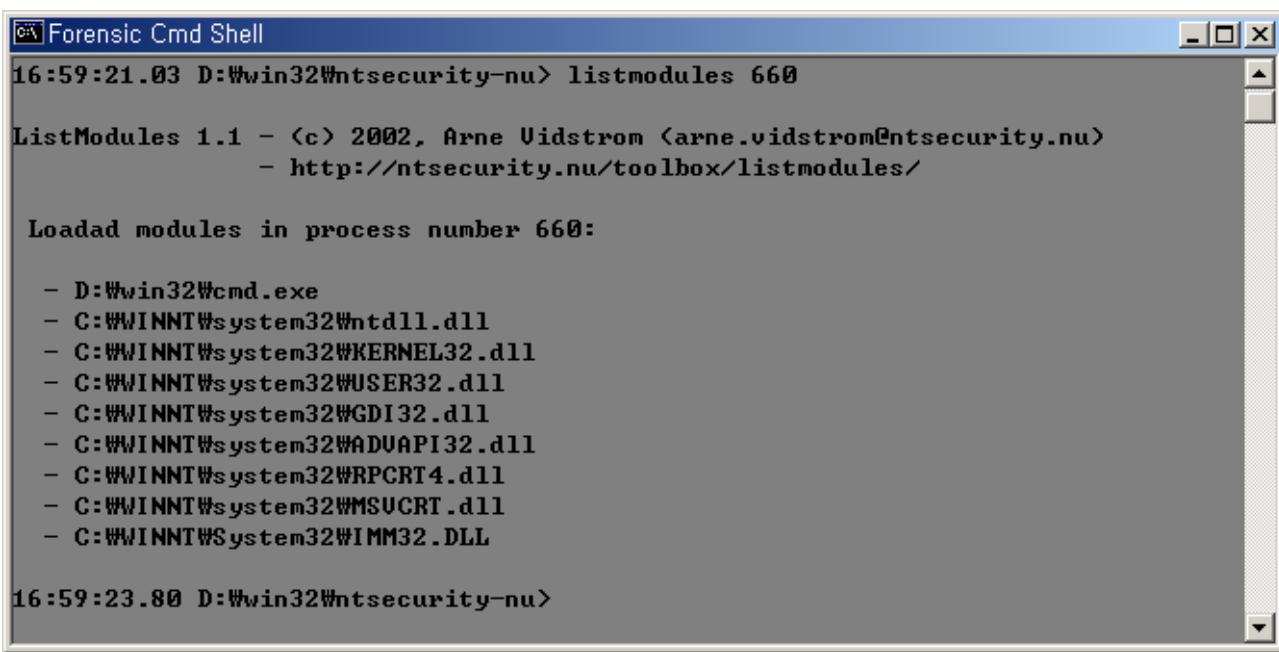
chgrp	chmod	chown	chroot	cksum
cp	cryptcat	cut	date	dd
df	du	echo	env	file
fold	head	hostname	icat	id
ifconfig	ils	ln	ls	lsof
mac-robber	md5	md5sum	mv	nc
netstat	od	pcat	printenv	pwd
rarp	read_data	rm	rmdir	route
search_data	sort	sync	tac	tail
touch	uniq	unrm	uptime	wc
who	whoami	arp	cat	

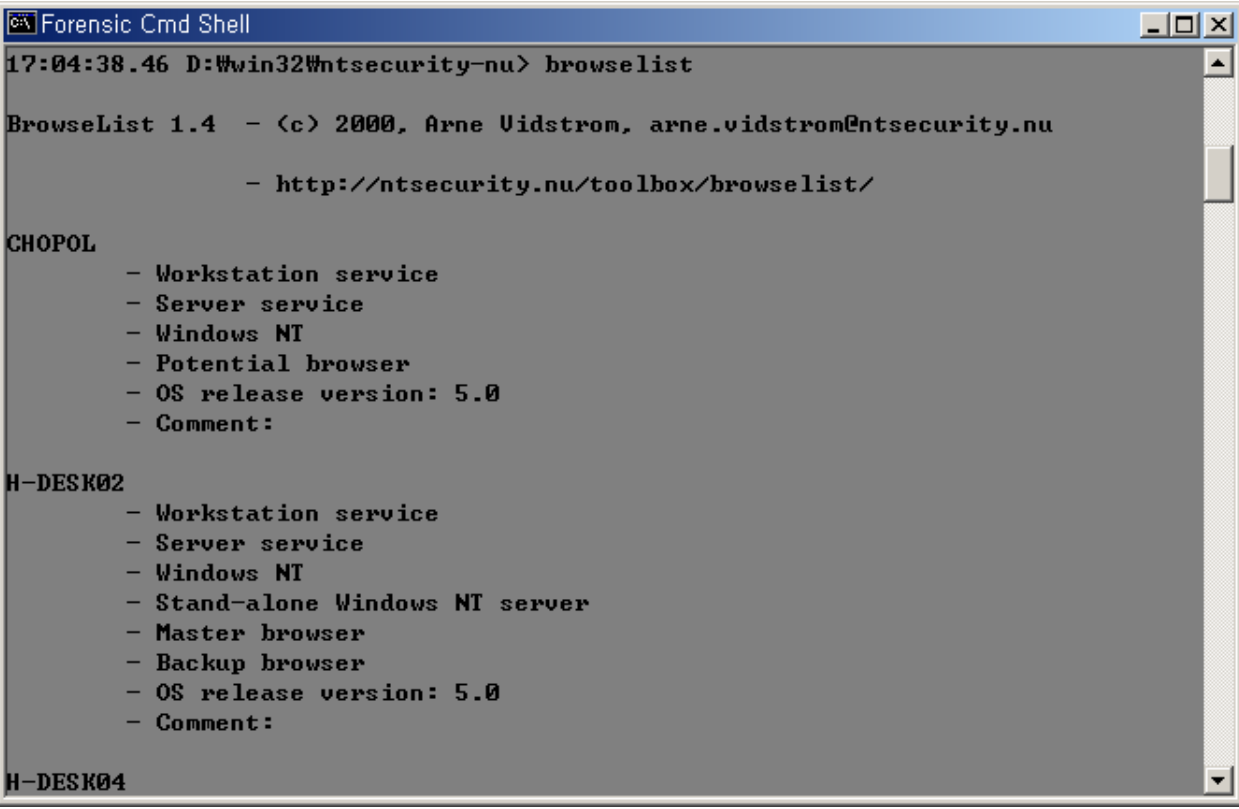
Solaris static

(solaris\_2.7)

chmod	chown	chroot	cksum	cp
cut	date	dd	df	dirname
du	echo	env	factor	file
gunzip	gzip	head	hostid	hostname
icat	id	ils	join	lastcomm
ln	logname	ls	lsof	md5
md5sum	mkdir	mknod	mv	nc
od	pcat	printenv	pwd	rm
rmdir	rmt	sort	split	su
sum	sync	tail	tar	touch
uname	uniq	unrm	uptime	users
wc	who	whoami	cat	chgrp
zcat				

Win32

ntsecurity-nu	listmodules.exe	Use: Syntax: listmodules PID Examples: listmodules 660
 <pre> Forensic Cmd Shell 16:59:21.03 D:\win32\ntsecurity-nu&gt; listmodules 660  ListModules 1.1 - (c) 2002, Arne Uidstrom (arne.uidstrom@ntsecurity.nu) - http://ntsecurity.nu/toolbox/listmodules/  Loadad modules in process number 660:  - D:\win32\cmd.exe - C:\WINNT\system32\ntdll.dll - C:\WINNT\system32\KERNEL32.dll - C:\WINNT\system32\USER32.dll - C:\WINNT\system32\GDI32.dll - C:\WINNT\system32\ADVAPI32.dll - C:\WINNT\system32\RPCRT4.dll - C:\WINNT\system32\MSUCRT.dll - C:\WINNT\system32\IMM32.DLL  16:59:23.80 D:\win32\ntsecurity-nu&gt;                 </pre>		
ntsecurity-nu	dumpusers.exe	Use: Syntax: DumpUsers -target <computername / IP> -type <notdc/dc> -start <start RID> -stop <stop RID> -mode <verbose/quiet>

ntsecurity-nu	browselist.exe	Use: Subnet Syntax: browselist [Enter] Examples: > browselist [Enter]
 <pre> Forensic Cmd Shell 17:04:38.46 D:\win32\ntsecurity-nu&gt; browselist  BrowseList 1.4 - (c) 2000, Arne Vidstrom, arne.vidstrom@ntsecurity.nu - http://ntsecurity.nu/toolbox/browselist/  CHOPOL - Workstation service - Server service - Windows NT - Potential browser - OS release version: 5.0 - Comment:  H-DESK02 - Workstation service - Server service - Windows NT - Stand-alone Windows NT server - Master browser - Backup browser - OS release version: 5.0 - Comment:  H-DESK04 </pre>		
ntsecurity-nu	winfo.exe	Use: null session ( , , ) Syntax: winfo IP -n Example: > winfo 192.168.10.100 -n
ntsecurity-nu	gsd.exe	Use: GSD(Get Service Dacl) Syntax: gsd <service name> Examples: > gsd server
ntsecurity-nu	macmatch.exe	Use: Syntax: macmatch <drive/directory> <type> <start date/time> <stop date/time> Examples: macmatch c: \ temp -m 2003-04-10:12.01 2003-05-10:12.01
ntsecurity-nu	pmdump.exe	Use: Syntax: pmdump <pid> <filename> Examples: > pmdump 600 c: \ forensics_data \ pmdump_600.dmp
ntsecurity-nu	periscope.exe	Use: PE 가 Syntax: PERiscope <filename> [-q] Examples: > PERiscope Cracking_tools.exe -q

ntsecurity-nu	promiscdetect.exe	<p>Use: NIC promiscuous</p> <p>Note:</p> <p>Syntax: promiscdetect</p> <p>Example: &gt; promiscdetect</p>
---------------	-------------------	--

```

Forensic Cmd Shell
12:29:46.53 D:\win32\ntsecurity-nu> promiscdetect

PromiscDetect 1.0 - (c) 2002, Arne Vidstrom (arne.vidstrom@ntsecurity.nu)
- http://ntsecurity.nu/toolbox/promiscdetect/

Adapter name:

- FE574B-3Com 10/100 LAN PCCard-Fast Ethernet

Active filter for the adapter:

- Directed (capture packets directed to this computer)
- Multicast (capture multicast packets for groups the computer is a member of)
- Broadcast (capture broadcast packets)
- Promiscuous (capture all packets on the network)

WARNING: Since this adapter is in promiscuous mode there could be a sniffer
running on this computer!

12:32:54.23 D:\win32\ntsecurity-nu>
    
```

AINTX	abort.exe	<p>Use: shutdown</p> <p>Note: shutdown</p> <p>가</p> <p>Syntax: abort [-h hostname]</p> <p>Examples: 1)</p> <p>&gt; abort</p> <p>2)</p> <p>&gt; abort -h \\myserver</p>
AINTX	addprpmem	<p>Use: 가</p> <p>Syntax: addgrpmem [-h hostname] -g group {-u user   -w glbl_grp}</p> <p>Examples: administrators jjshim 가</p> <p>➢ addgrpmem -g administrators -u jjshim</p> <p>가</p> <p>➢ addprpmem -g users -w "domain users"</p>
AINTX	bootmv.exe	<p>Use: 가</p> <p>Syntax: bootmv -s source_file [-d dest_file]</p> <p>Note:</p> <p>Examples: 1)</p> <p>➢ bootmv -s c:\temp\myfile -d c:\temp\rename_file</p>

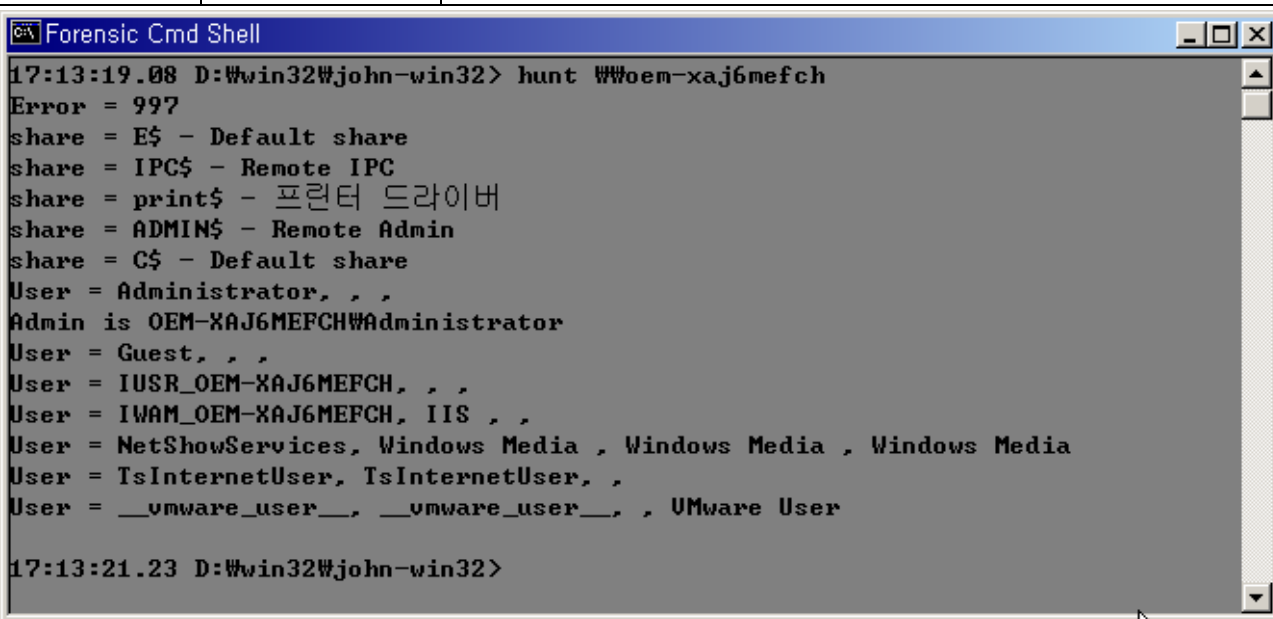
		<p>2)</p> <p>&gt; bootmv -s c: \ winnt \ system32 \ cracking.dll</p>
AINTX	buevt.exe	<p>Use:</p> <p>Syntax: buevt [-h hostname] -e event_log -f file_name</p> <p>Examples:</p> <p>&gt; buevt -e Application -f evt_log_bu.evt</p>
AINTX	chsvc.exe	<p>Use: NT4/2000</p> <p>Syntax: chsvc [-h hostname] -s service_name options</p> <p>Examples: 1) wins " "</p> <p>&gt; chsvc -s wins -d</p> <p>2) wins " "</p> <p>&gt; chsvc -s wins -m</p>
AINTX	clevt.exe	<p>Use:</p> <p>Syntax: clevt [-h hostname] -e event_log [-f backup_file]</p> <p>Note:</p> <p>Examples: 1)</p> <p>&gt; clevt -e Application</p> <p>2)</p> <p>&gt; clevt -e Application -f App_evtlog.evt</p>
AINTX	cpuser.exe	<p>Use:</p> <p>Syntax: cpuser [-h hostname] -u username options</p> <p>Examples: administrator</p> <p>&gt; cpuser -u administrator -n jjshim -f "shim joun g jae"</p>
AINTX	df.exe	<p>Use:</p> <p>Syntax: df [drive1 drive2 ...]</p> <p>Examples: df c: d:</p>
AINTX	du.exe	<p>Use: (KB)</p> <p>Syntax: du [-b -d -o -s -t] file1 ...</p> <p>Examples: du -t -s c: \ temp</p>
AINTX	getprocinfo	<p>Use:</p> <p>Syntax: getprocinfo [-v] PID</p> <p>Examples: getprocinfo -v 600</p>
AINTX	lsexec.exe	<p>Use:</p> <p>Syntax: lsexec [-s -v] -f file</p> <p>Examples: 1) cracking.dll</p> <p>&gt; lsexec -f cracking.dll</p> <p>&gt; lsexec -f winword.exe   find "Image Version"</p>
AINTX	lssess.exe	<p>Use:</p> <p>Syntax: lssess [-h hostname] [-f] [-c client] [-u userid]</p> <p>Examples: lssess -c hacker_pc</p>

AINTX	lsshare.exe	Use: Syntax: lsshare [-h hostname] [-acdfp] [-s sharename] Examples: 1) ➤ lsshare or lsshare -a 2) > lsshare -c
AINTX	lssvc.exe	Use: Syntax: lssvc [-h hostname] [-adnsy   -s service_name] Examples: lssvc -yv
AINTX	lstcp.exe	Use: TCP/IP Syntax: lstcp [-h hostname] Examples: lstcp
AINTX	lsuser.exe	Use: ( , , ) Syntax: lsuser [-h hostname] {-u userid   -acct} Examples: lsuser -a
AINTX	memcheck.exe	Use: 가 Syntax: memcheck Examples: memcheck
AINTX	mksvc.exe	Use: Syntax: mksvc [-h hostname] -s service_name options... Examples: remotecmd > mksvc -s Remotemcd -p c:\hacking\rcmdsvc.exe -e "Remote Command Service"
AINTX	nbtlookup.exe	Use: Netbios IP Syntax: nbtlookup computer_name Examples: nbtlookup Hacker_PC
AINTX	portprobe.exe	Use: TCP/UDP OPEN Syntax: portprobe host [-a] begin_port [end_port] Examples: portprobe 192.168.10.100 25-40
AINTX	ps.exe	Use: Syntax: ps [-h hostname] [-ft] [-p procid] Examples: ps -h \ \ Hacking_server or ps -p 23
AINTX	rmshare.exe	Use: Syntax: rmshare [-h hostname] -s sharename Examples: rmshare -s foo_drive
AINTX	rmsvc.exe	Use: Syntax: rmsvc [-h hostname] -s service_name Examples: rmsvc -s Remotecmd



AINTX	rmuser.exe	Use: Syntax: rmuser [-h hostname] -u username Examples: rmuser -h \ \ seriousPC -u cracker
AINTX	shutdown.exe	Use: shutdown Syntax: shutdown [-h hostname] [-fr -m message -w wait] Examples: shutdown -h \ \ myserver -w 60 -m "goodbye"
AINTX	startsvc.exe	Use: Syntax: startsvc [-h hostname] -s service Examples: startsvc -s "IIS Admin Service"
AINTX	stopsvc.exe	Use: Syntax: stopsvc [-h hostname] -s service [-p] Examples: stopsvc -s "IIS Admin Service"
AINTX	strings.exe	Use: Syntax: strings [-n min_str_len] [-ao] -f file Examples: strings -f hacking.obj
Foundstone	Attacker.exe	TCP/UDP IP 가
Foundstone	Bintext.exe	(Ascii)
Foundstone	boping.exe	Back Oriffice Pinger
Foundstone	ddosping.exe	
Foundstone	filewatch.exe	가
Foundstone	fpipe	Use: (redirector) TCP/UDP Syntax: FPipe [-hvu?] [-lrs <port>] [-i IP] IP Examples: fpipe -l 53 -s 53 -r 80 192.168.1.101
Foundstone	fport.exe	Use: (opened) TCP/IP Syntax: fport /p /a /l /ap Examples: 1) > fport /p 2) > fport /a
Foundstone	fscan.exe	Use: (sl.exe) Syntax: FScan [-abefhqnv?] [-cditz <n>] [-flo <file>] [-pu <n>[,<n>-<n>]] IP[,IP-IP] Examples: FScan -p 80 192.168.10.3,10.1.2.4,10.1.2.5-10.1.2.20
Foundstone	ntlast.exe	/ /
Foundstone	afind.exe	

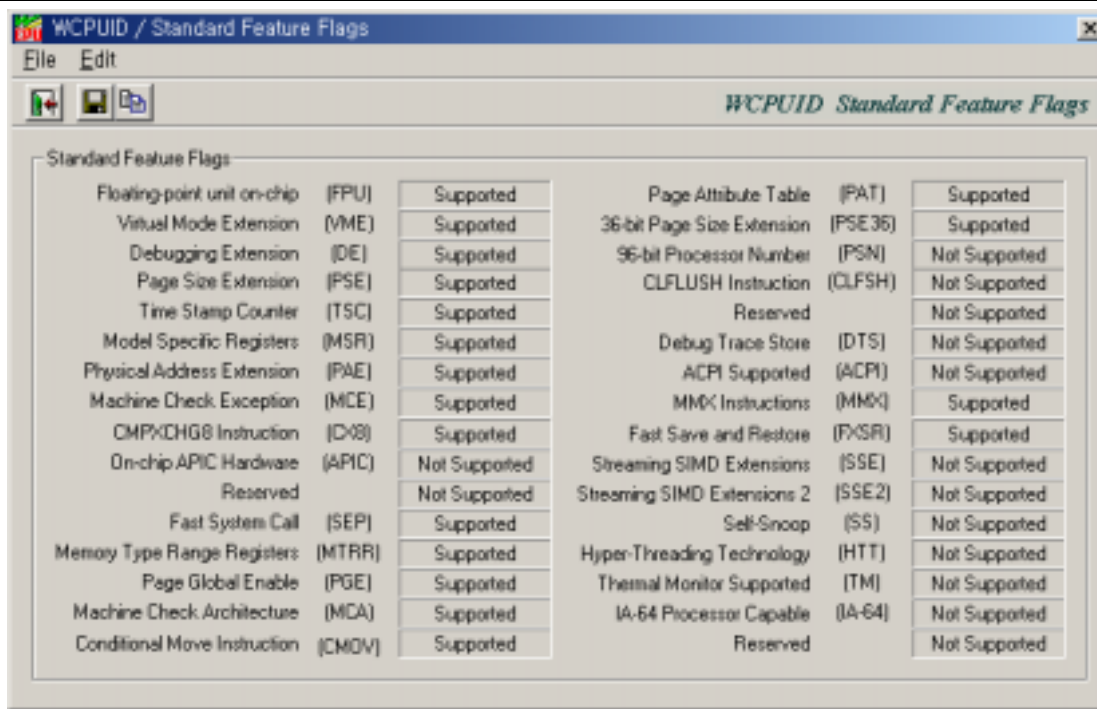
Foundstone	sfind.exe	NTFS
Foundstone	hunt.exe	Use: Syntax: hunt \ \servername Exampes: hunt \ \Serious_PC



getif	getif.2.2.exe	snmp (get, set, getnext, walk, trap )
john-win32	john.exe	Use: ( ) Syntax: john [OPTIONS] [PASSWORD-FILES]
oracle	getsids.exe	Use: TNS listener가 가 Sid Syntax: getsids <ip> <port> Examples: getsids 192.168.10.100 1521
pwdump2	pwdump2.exe	Use: NT/2000/XP SAM Note: SAM LC3(www.atstake.com/lc3) Syntax: pwdump2 > passdump.txt Examples: pwdump2
pwdump3e	pwdump3e.exe	Use: NT/2000/XP SAM Note: SAM "Remote Registry Service"가 ADMIN\$ 가 Syntax: PWDUMP3E machineName [outputFile] [userName] Examples: pwdump3e \ \ 192.168.10.100
sysinternals	handle.exe	NT/2000/XP handle (Process PID, handle Value, Type, Access Mask, Name)

sysinternals	listdlls.exe	<p>Use: NT/2000/XP dll (Process PID, Base Address, Mapped Size, Description, Version, Time Stamp, Memory Mapped, Path, Company Name, Image Base Address)</p> <p>Note: - 가</p> <p>Syntax: listdlls [-r] [processname pid] listdlls [-r] [-d dllname]</p> <p>Examples: listdlls -r foo.exe</p>
sysinternals	psexec.exe	<p>Use: Symantec's PcAnywhere telnet .</p> <p>Note: 가 telnet 가 .</p> <p>Syntax: psexec \\ computer [-u user [-p psswd]][-s][-i][-c [-f]][-d] cmd [arguments]</p> <p>Examples: &gt; psexec \\ serious_system cmd.exe</p> <ul style="list-style-type: none"> <li>➤ psexec \\ serious_system ipconfig /all</li> <li>➤ psexec \\ serious_system -c cracking_tools.exe</li> <li>➤ psexec \\ serious_system c: \ bin \ test.exe</li> </ul>
sysinternals	psinfo.exe	<p>Use: NT/2000/XP .</p> <p>Note: , , Hot-Fix</p> <p>Syntax: psinfo [-h] [-s] [\\ RemoteComputer]</p> <p>Examples: &gt; psinfo \\ develop -h</p>
sysinternals	pskill.exe	<p>Use: .</p> <p>Syntax: pskill [\\ RemoteComputer [-u Username]] &lt;process Id or name&gt;</p> <p>Examples: &gt; pskill \\ serious_com -u guest -p 1234 rcmd</p>
sysinternals	pslist.exe	<p>Use: .</p> <p>Note: NT/2000 , pslist 가 .</p> <p>Syntax: pslist [-d][-m][-x][-t][-s [n] [-r n] [\\ computer [-u username] [-p password] [name pid]</p> <p>Examples: &gt; pslist 503</p>
sysinternals	psloggedon.exe	<p>Use: "net" .</p> <p>Note: "Remote Registry Service"가 , .</p> <p>Syntax: psloggedon [-l] [-x] [\\ computername]</p> <p>Examples: &gt; psloggedon -l</p>
sysinternals	psloglist.exe	<p>Use: .</p> <p>Syntax: psloglist [\\ RemoteComputer [-u Username [-p Password]]] [-s [-t delimiter]] [-n #   -d #][-c][-x][-r][-a mm/dd/yy][-b</p>

		mm/dd/yy] [-f filter] [-l event log file] <event log> Examples: > psloglist security
sysinternals	psservice.exe	Use: NT/2000/XP Syntax: psservice [ \ \ Computer [-u Username [-p Password]]] <cmd> <optns> Examples: > psservice \ \ serious -u administrator -p 1234
ngSniff - 1.1	ngsniff.exe	Use: W2K OS Syntax: ngSniff --interface <num> [--help   --list-interfaces   --ignore-addr <host>   -only-addr <host>] Examples: > ngsniff --interface 0 --file c: \ forensics_data \ ngsniff.log
wincpuid	wcpuid.exe	Use: Win32 / Linux / FreeBSD OS Syntax: wcpuid.exe Examples: > wcpuid.exe



(Incident Response Scripts)

batch

가 , Forensic

netcat

NT/2000

(baseline)

Windows NT/2000/XP

:

,

OS

ir.bat

```
set path=.
cd .. \ windows \ ir
.. \ WinNT \ doskey /history
time /t
date /t
REM request user to input date time
REM datetime
REM network state
.. \ WinNT \ ipconfig /all
promiscdetect
netstat -an
route print
fport
pslist
nbtstat -c
psloggedon
time /t
date /t
.. \ WinNT \ doskey /history
cd .. \ .. \
echo "completed!"
```

:

,

,

,

OS

ir2.bat

```
cd .. \ Windows \ ir2
date /t
time /t

REM dump log files
dumpel -l security
dumpel -l application
dumpel -l system
date /t
time /t
REM last sucessful interactive logon
ntlast -l:i -null -n 100
REM last sucessful remote logon
```

```
ntlast -l:r -null -n 100
REM last failed logon
ntlast -f -null -n 100

REM get user info
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ RegisteredOwner"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ RegisteredOrganization"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ ProductID"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ ProfileList"
reg query "HKLM \ SAM \ SAM \ Domains \ Account \ Users \ Names

REM users/groups
net user
net localgroup
REM admins list
REM local administrators

reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ Winlogon"

REM get system info
reg query "HKLM \ System \ Controlset001 \ Control \ ComputerName \ ComputerName"
reg query "HKLM \ System \ Controlset001 \ Control \ ActiveComputerName"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ Currentversion"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ CSDVersion"
reg query "HKLM \ SOFTWARE \ Microsoft \ Windows NT \ CurrentVersion \ WinLogon \ LegalNoticeText"

REM get timezone info

reg query "HKLM \ System \ CurrentControlSet \ Control \ TimeZoneInformation \ StandardName"

REM swap file setting
reg query "HKLM \ System \ CurrentControlSet \ Control \ Session Manager \ Memory
Management \ ClearPageFileAtShutDown"
reg query "HKLM \ System \ CurrentControlSet \ Services \ LanmanServer \ Shares"

REM recent files
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ Explorer \ RecentDocs"

REM startup programs
```

```
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ run"
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ runonce"
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ runonceEx"
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ runServices"
reg query "HKLM \ Software \ Microsoft \ Windows \ CurrentVersion \ runServicesOnce"
reg query "HKLM \ Software \ Microsoft \ Windows NT \ CurrentVersion \ Windows \ Load"
reg query "HKLM \ Software \ Microsoft \ Windows NT \ CurrentVersion \ WinLogon \ Userinit"

REM query Network Interface
REM reg query "HKLM \ System \ CurrentControlSet \ Services \ Tcpip \ Parameters \ Interfaces" /S
reg query "HKLM \ System \ CurrentControlSet \ Services \ Tcpip \ Parameters" /S
REM query Telnet Services
reg query "HKLM \ System \ CurrentControlSet \ Services \ Tlntsvr" /S

REM browser proxy setting
reg query "HKCU \ Software \ Microsoft \ Windows \ CurrentVersion \ Internet Settings"

REM explorer history and settings
reg query "HKCU \ Software \ Microsoft \ Windows \ CurrentVersion \ Explorer \ ComDlg32 \ OpenSaveMRU" /S
reg query "HKCU \ Software \ Microsoft \ Windows \ CurrentVersion \ Explorer \ RunMRU" /S
reg query "HKCU \ Software \ Microsoft \ Windows \ CurrentVersion \ Explorer \ Shell Folders" /S
reg query "HKCU \ Software \ Microsoft \ Windows \ CurrentVersion \ Explorer \ User Shell Folders" /S
cd .. \ .. \
```

```
:
CURDIR=`./linux2.2_x86/pwd`
BINDIR="$CURDIR/linux2.2_x86"
$BINDIR/echo "All output can be redirected to your choice of storage or netcat pipe."

$BINDIR/echo "======"
$BINDIR/echo "hostname:"
$BINDIR/echo "======"
$BINDIR/hostname
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "cpu info:"
$BINDIR/echo "======"
$BINDIR/cat /proc/cpuinfo
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "disk use:"
```

```
$BINDIR/echo "======"
```

```
$BINDIR/df -h
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "fdisk output:"
```

```
$BINDIR/echo "======"
```

```
fdisk -l
```

```
#need a binary for this
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "version:"
```

```
$BINDIR/echo "======"
```

```
$BINDIR/cat /proc/version
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "kernel boot params:"
```

```
$BINDIR/echo "======"
```

```
$BINDIR/cat /proc/cmdline
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "Local shell environment variables:"
```

```
$BINDIR/echo "======"
```

```
$BINDIR/env
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```

```
$BINDIR/echo "currently logged in users:"
```

```
$BINDIR/echo "======"
```

```
$BINDIR/who
```

```
$BINDIR/echo
```

```
$BINDIR/echo "======"
```



```
$BINDIR/echo "List of running processes:"
$BINDIR/echo "======"
ps -efl
# $BINDIR/ps -efl ; need static ps command

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "Network interface info"
$BINDIR/echo "======"
$BINDIR/ifconfig -a
$BINDIR/echo
$BINDIR/ifconfig -s
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "arp table entries:"
$BINDIR/echo "======"
$BINDIR/arp -n
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/hosts file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/hosts
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/resolv.conf file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/resolv.conf
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/passwd file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/passwd
```

```
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "====="
$BINDIR/echo "/etc/shadow file:"
$BINDIR/echo "====="
$BINDIR/cat /etc/shadow
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "====="
$BINDIR/echo "netstat output(current connections)"
$BINDIR/echo "====="
$BINDIR/netstat -anp
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "routing table:"
$BINDIR/echo "====="
$BINDIR/netstat -rn
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "listening ports (via lsof):"
$BINDIR/echo "====="
$BINDIR/lsof -P -i -n
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "lsof output:"
$BINDIR/echo "====="
$BINDIR/lsof
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "Memory info:"
$BINDIR/echo "====="
$BINDIR/cat /proc/meminfo
$BINDIR/echo
$BINDIR/echo
```

```
$BINDIR/echo "======"
$BINDIR/echo "Module info:"
$BINDIR/echo "======"
$BINDIR/cat /proc/modules
$BINDIR/echo
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "Mount info:"
$BINDIR/echo "======"
$BINDIR/cat /proc/mounts
$BINDIR/echo
$BINDIR/echo "Swap info:"
$BINDIR/echo "======"
$BINDIR/cat /proc/swaps
$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "  fstab  "
$BINDIR/echo "======"
$BINDIR/cat /etc/fstab
$BINDIR/echo
$BINDIR/echo

$BINDIR/echo
"======"
$BINDIR/echo "Running Process info:"
$BINDIR/echo
"======"
$BINDIR/ls /proc | sort -n | grep -v [a-z,A-Z] | while read PID
do
    $BINDIR/echo "Process ID $PID:"
    $BINDIR/echo "/proc/$PID/cmdline:"
    $BINDIR/cat /proc/$PID/cmdline
    $BINDIR/echo
    $BINDIR/echo
    $BINDIR/echo "/proc/$PID/envron:"
    $BINDIR/cat /proc/$PID/envron
    $BINDIR/echo
```

```
$BINDIR/echo
$BINDIR/echo "/proc/$PID/maps:"
$BINDIR/cat /proc/$PID/maps
$BINDIR/echo
$BINDIR/echo
$BINDIR/echo "/proc/$PID/stat:"
$BINDIR/cat /proc/$PID/stat
$BINDIR/echo
$BINDIR/echo
$BINDIR/echo "/proc/$PID/statm:"
$BINDIR/cat /proc/$PID/statm
$BINDIR/echo
$BINDIR/echo
$BINDIR/echo "/proc/$PID/status:"
$BINDIR/cat /proc/$PID/status
$BINDIR/echo
$BINDIR/echo
$BINDIR/echo "/proc/$PID/mem:"
$BINDIR/cat /proc/$PID/mem
$BINDIR/echo
$BINDIR/echo
$BINDIR/echo "/proc/$PID/root:"
$BINDIR/ls -ld /proc/$PID/root
$BINDIR/echo
$BINDIR/echo "/proc/$PID/cwd:"
$BINDIR/ls -ld /proc/$PID/cwd
$BINDIR/echo
$BINDIR/echo "/proc/$PID/exe:"
$BINDIR/ls -ld /proc/$PID/exe
$BINDIR/echo
$BINDIR/echo "/proc/$PID/fd/*:"
$BINDIR/ls -lrtc /proc/$PID/fd/
$BINDIR/echo
$BINDIR/echo "=====
$BINDIR/echo
done

$BINDIR/echo "=====
$BINDIR/echo "SUID/SGID search:"
$BINDIR/echo "=====
```

```
$BINDIR/echo
find / -perm -2000 -o -perm -4000 -print | xargs $BINDIR/ls -l {}

$BINDIR/echo "======"
$BINDIR/echo "File permissions:"
$BINDIR/echo "======"
$BINDIR/echo "/etc:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /etc
$BINDIR/echo
$BINDIR/echo "/bin:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /bin
$BINDIR/echo
$BINDIR/echo "/sbin:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /sbin
$BINDIR/echo
$BINDIR/echo "/usr:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /usr
$BINDIR/echo
$BINDIR/echo "/var:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /var
$BINDIR/echo
$BINDIR/echo "/dev:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /dev
$BINDIR/echo
$BINDIR/echo "/home:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /home
$BINDIR/echo
$BINDIR/echo "/lib:"
$BINDIR/echo "-----"
$BINDIR/ls -lRta /lib
$BINDIR/echo
$BINDIR/echo "======"
```

```
$BINDIR/echo "======"
$BINDIR/echo "MD5SUMs:"
$BINDIR/echo "======"
$BINDIR/echo "/etc:"
$BINDIR/echo "-----"
$BINDIR/md5sum /etc/*
$BINDIR/echo
$BINDIR/echo "/bin:"
$BINDIR/echo "-----"
$BINDIR/md5sum /bin/*
$BINDIR/echo
$BINDIR/echo "/sbin:"
$BINDIR/echo "-----"
$BINDIR/md5sum /sbin/*
$BINDIR/echo
$BINDIR/echo "/usr:"
$BINDIR/echo "-----"
$BINDIR/md5sum /usr/*
$BINDIR/echo
$BINDIR/echo "/var:"
$BINDIR/echo "-----"
$BINDIR/md5sum /var/*
$BINDIR/echo
$BINDIR/echo "======"

# $BINDIR/echo "Make sure to grab /proc/kcore"
```

```
:
CURDIR=`./solaris_2.7/pwd`
BINDIR="$CURDIR/solaris_2.7"
$BINDIR/echo "All output can be redirected to your choice of storage or netcat pipe."

$BINDIR/echo "======"
$BINDIR/echo "hostname:"
$BINDIR/echo "======"
$BINDIR/hostname
$BINDIR/echo
```

```
$BINDIR/echo "====="
$BINDIR/echo "disk use:"
$BINDIR/echo "====="
$BINDIR/df
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "disk format output:"
$BINDIR/echo "====="
$BINDIR/echo "Need to add format output"
#fdisk -l
#need a binary for this
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "Local shell environment variables:"
$BINDIR/echo "====="
$BINDIR/env
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "currently logged in users:"
$BINDIR/echo "====="
$BINDIR/who
$BINDIR/echo

$BINDIR/echo "====="
$BINDIR/echo "List of running processes:"
$BINDIR/echo "====="
ps -efl
# $BINDIR/ps -efl ; need static ps command

$BINDIR/echo
$BINDIR/echo "====="
$BINDIR/echo "Network interface info"
$BINDIR/echo "====="
$BINDIR/ifconfig -a
$BINDIR/echo
$BINDIR/ifconfig -s
$BINDIR/echo
```

```
$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "arp table entries:"
$BINDIR/echo "======"
$BINDIR/arp -n
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/hosts file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/hosts
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/resolv.conf file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/resolv.conf
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/passwd file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/passwd
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "/etc/shadow file:"
$BINDIR/echo "======"
$BINDIR/cat /etc/shadow
$BINDIR/echo

$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "netstat output(current connections)"
$BINDIR/echo "======"
```



```
$BINDIR/netstat -an
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "routing table:"
$BINDIR/echo "======"
$BINDIR/netstat -rn
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "listening ports (via lsof):"
$BINDIR/echo "======"
$BINDIR/lsof -P -i -n
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "lsof output:"
$BINDIR/echo "======"
$BINDIR/lsof
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "Mount info:"
$BINDIR/echo "======"
mount
$BINDIR/echo
$BINDIR/echo "======"
$BINDIR/echo "  fstab  "
$BINDIR/echo "======"
$BINDIR/cat /etc/vfstab
$BINDIR/echo
$BINDIR/echo

$BINDIR/echo "======"
$BINDIR/echo "SUID/SGID search:"
$BINDIR/echo "======"
$BINDIR/echo
find / -perm -2000 -o -perm -4000 -print | xargs $BINDIR/ls -l {}

$BINDIR/echo "======"
```

```
$BINDIR/echo "File permissions:"
$BINDIR/echo "===== "
$BINDIR/echo "/etc:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /etc
$BINDIR/echo
$BINDIR/echo "/bin:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /bin
$BINDIR/echo
$BINDIR/echo "/sbin:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /sbin
$BINDIR/echo
$BINDIR/echo "/usr:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /usr
$BINDIR/echo
$BINDIR/echo "/var:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /var
$BINDIR/echo
$BINDIR/echo "/dev:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /dev
$BINDIR/echo
$BINDIR/echo "/home:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /home
$BINDIR/echo
$BINDIR/echo "/lib:"
$BINDIR/echo " - - - - -"
$BINDIR/ls -lRta /lib
$BINDIR/echo
$BINDIR/echo "===== "
$BINDIR/echo "===== "
$BINDIR/echo "MD5SUMs:"
$BINDIR/echo "===== "
$BINDIR/echo "/etc:"
$BINDIR/echo " - - - - -"
```

```

$BINDIR/md5sum /etc/*
$BINDIR/echo
$BINDIR/echo "/bin:"
$BINDIR/echo "-----"
$BINDIR/md5sum /bin/*
$BINDIR/echo
$BINDIR/echo "/sbin:"
$BINDIR/echo "-----"
$BINDIR/md5sum /sbin/*
$BINDIR/echo
$BINDIR/echo "/usr:"
$BINDIR/echo "-----"
$BINDIR/md5sum /usr/*
$BINDIR/echo
$BINDIR/echo "/var:"
$BINDIR/echo "-----"
$BINDIR/md5sum /var/*
$BINDIR/echo
$BINDIR/echo "=====
"

#$BINDIR/echo "Make sure to grab /proc/kcore"

```

Live

off-line

가

Biatchux

Biatchux

## 1. CD-ROM

- . CD-ROM BIOS .
- . Biatchux CD CD-ROM .

## 2.

- . CD-ROM 1,3,4 .
- . ( 3 ).

## 3.

- . Biatchux .
- . .

```

(
)
Forensics IP 192.168.10.110
Forensics# nc -l -p 3147 > victim_sda1.img
Biatchux CD-ROM
[root@FIRE] root> ifconfig eth0 192.168.10.111 netmask 255.255.255.0 broadcast
192.168.10.255
[root@FIRE] root> route add -net default gw 192.168.10.1
[root@FIRE] root> cd /data
[root@FIRE] root> dd if=/dev/sda1 | nc -nv 192.168.10.110 3147

```

가 (victim\_sda1.img)

4.

3

```

Forensics# md5sum victim_sda1.img
c8f201b2ffb65595a6c2af6a1c51bb66
Biatchux CD-ROM
[root@FIRE] root> md5sum /dev/sda1
c8f201b2ffb65595a6c2af6a1c51bb66

```

5.

off-line

가

Biatchux

```

Biatchux CD-ROM
[root@FIRE] root> mount -ro,noatime,nosuid,nodev,noexec /dev/sda1 /mnt/sda1
[root@FIRE] root> mount

```

6. SSHD(SecureShell Daemon)

: SSHD /sbin/ , /etc/ssh/sshd\_config .  
2222/tcp .

```

Biatchux CD-ROM
[root@FIRE] root> start-sshd.sh
[root@FIRE] root> netstat -ntl

```

```
[root@FIRE] sbin> netstat -ntl
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 0.0.0.0:2222           0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:6000           0.0.0.0:*               LISTEN
[      18:21:19]
[root@FIRE] sbin> ps -ef | grep sshd
root      606      1  0 18:05 ?                00:00:00 /usr/sbin/sshd -f /etc/ssh/sshd_
root      634      1  0 18:21 ?                00:00:00 /usr/sbin/sshd -f /etc/ssh/sshd_
[      18:21:23]
[root@FIRE] sbin> cat /sbin/start-sshd.sh
#!/bin/sh
echo "creating sshd keys"
ssh-keygen -b 1024 -f /etc/ssh/ssh_host_dsa_key -t dsa -P ""
ssh-keygen -b 1024 -f /etc/ssh/ssh_host_rsa_key -t rsa -P ""
#ssh-keygen -b 1024 -f /etc/ssh/ssh_host_key -t rsa1 -P ""

echo "Starting sshd server listening on port 2222"
/usr/sbin/sshd -f /etc/ssh/sshd_config &

[      18:22:02]
[root@FIRE] sbin>
```

## 7. VNCServer(vncserver)

: VNC 가 (Virtual Network Computing) .  
 “ ” . VNC 가  
 OS OS , JAVA 가  
 . VNC <http://www.realvnc.com/> . Biatchux VNC .

### Biatchux CD-ROM

```
[root@FIRE] root> vncpasswd
[root@FIRE] root> vncserver :0 -geometry 1024x768 -depth 16
[root@FIRE] root> netstat -ntl
```

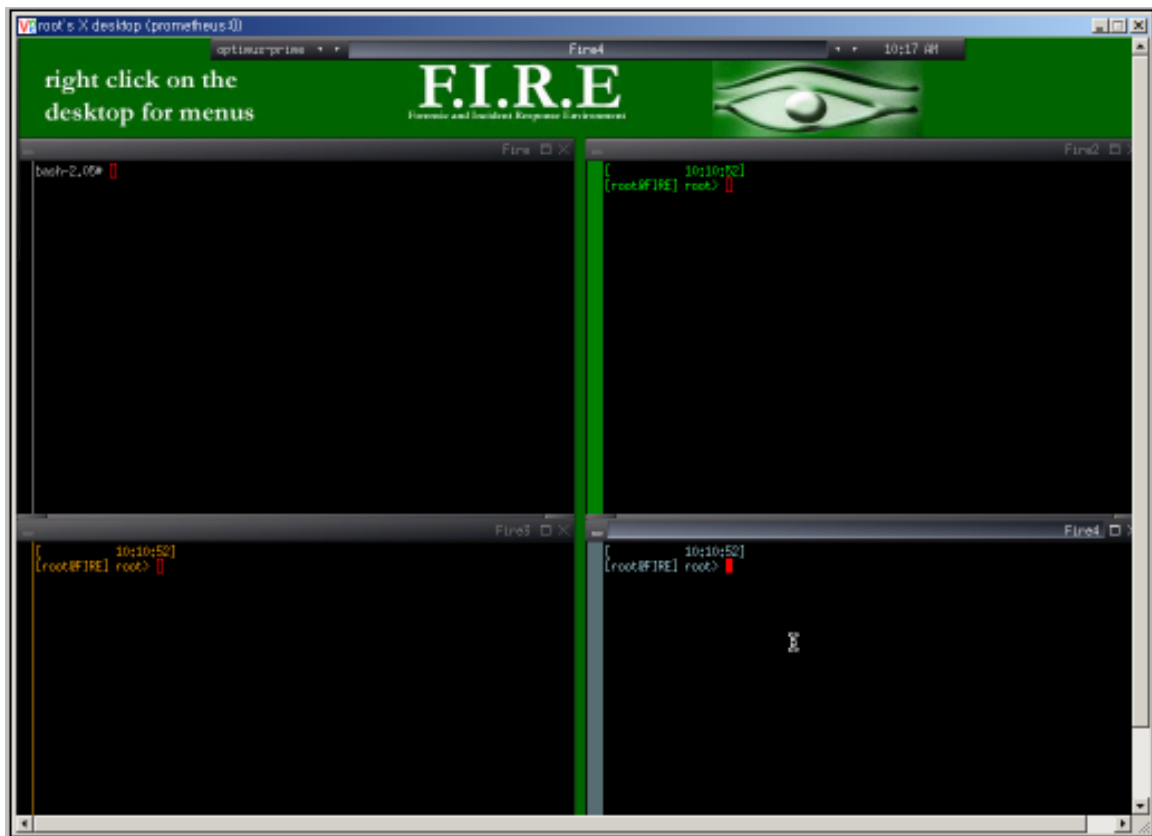
```
[root@FIRE] root> vncpasswd
Password:
Verify:
[      10:09:13]
[root@FIRE] root> vncserver :0 -geometry 1024x768 -depth 16

New 'X' desktop is prometheus:0

Starting applications specified in /home/root/.vnc/xstartup
Log file is /home/root/.vnc/prometheus:0.log

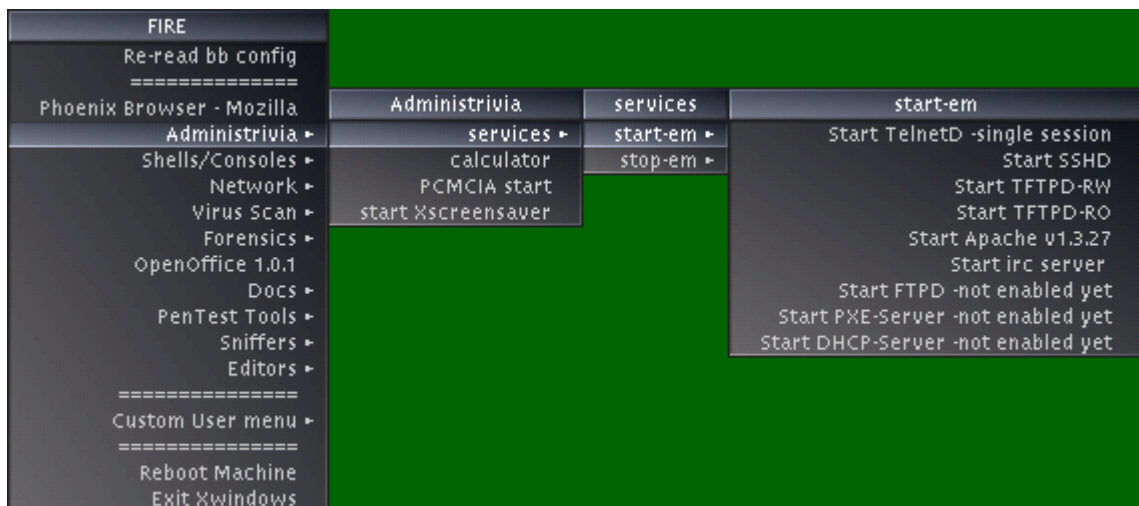
[      10:10:51]
[root@FIRE] root> netstat -ntl
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 0.0.0.0:5800           0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:5900           0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:2222           0.0.0.0:*               LISTEN
tcp        0      0 0.0.0.0:6000           0.0.0.0:*               LISTEN
[      10:10:58]
[root@FIRE] root>
```

VNC



9. Vncviewer Biatchux 0.4a X-Windows

Biatchux



10. Biatchux 0.4a

Administrivia	services	start-em
services ▶	start-em ▶	Start TelnetD -single session
calculator	stop-em ▶	Start SSSH
PCMCIA start		Start TFTP-D-RW
start Xscreensaver		Start TFTP-D-RO
		Start Apache v1.3.27
		Start irc server
		Start FTPD -not enabled yet
		Start PXE-Server -not enabled yet
		Start DHCP-Server -not enabled yet
Shells/Consoles	logging	
logging ▶	respawn all logging xterms	
non-logging ▶		
Network	dhcp net config	Virus Scan
dhcp net config ▶	dhcp on eth0	Virus Scan mounted filesystems
Etherape	dhcp on eth1	Update Signatures from Net
gabber	dhcp on eth2	Update Signatures from Floppy
xchat		
Forensics	Local Drives	Local Drives
Local Drives ▶	Mount local partitions	Mount local partitions
rescan scsi bus	Unmount local partitions	Unmount local partitions
Firewire Devices ▶	Firewire Devices	Firewire Devices
USB Devices ▶	Mount FireWire partitions	Mount FireWire partitions
Autopsy	Unmount FireWire partitions	Unmount FireWire partitions
Outlook .pst exam -not yet	USB Devices	USB Devices
OutlookExpress .dbx exam -not yet	USB 1.1 Devices ▶	USB 1.1 Devices ▶
	USB 2.0 Devices - experimental ▶	USB 2.0 Devices - experimental ▶
Docs		PenTest Tools
MS Fat spec		Xnmap
Another Fat spec		@stake WebProxy
iso9660 spec		Nessusd+client
Another iso9660 spec		Nessus client
Open Source Security Testing Methodology Manual		ip sorcery
Sniffers	Editors	VNCviewer
Ethereal	hexedit	rdesktop - MS Term Client
sniffit	vi	Netware Tools ▶
ettercap	pico-nano	Exploits ▶
dsniff		DoS ▶
p0f		
PHoss		
hunt		



12. Biatchux 0.4a Mozilla

Biatchux 가

. Biatchux find, grep

:

chkrootkit -

The Coroner's Toolkit(TCT) -

tctutils - Brian Carrier, TCTUtils TCT

Autopsy - TCT TCTUtils GUI

, inode

mac-robber - inode (MAC),

timeline (grave-robber -m).

stegdetect - JPEG

Examples: \$ stegdetect \*.jpg

cold\_dvd.jpg : outguess(old)(\*\*) jphide(\*)

dscf0001.jpg : negative

dscf0002.jpg : jsteg(\*\*)

dscf0003.jpg : jphide(\*\*)

[...]

\$ stegbreak -tj dscf0002.jpg

Loaded 1 files...

dscf0002.jpg : jsteg(wonderland)



Processed 1 files, found 1 embeddings.

Time: 36 seconds: Cracks: 324123, 8915 c/s

hexedit –

hex

LDE –

– inode

OpenOffice 1.0.1 –

## Biatchux

Biatchux

: nmap, whisker, hping, firewalk, fragrouter, John-the-Ripper, nbtscan, nemesis,  
screamingCobra, onesixtyone, isnprouber, hunt, p0f, THC-Hydra

: ethereal, tcpdump, dig, dsniiff, netcat, hunt, ncftp, ngrep, p0f, arena, Sniffit,

Phoss, Wireless, airtort, kismet, xchat, gabber

: hammerhead, apachebench

/ : hexedit, LDE

: snort

: ipchains, iptables

: telnetd, sshd, ftpd( ), tftpd, PXE-Server( ), Apache v1.3.27, irc server,  
DHCP-Server( ), , PCMCIA, X-screensaver

: Mozilla

: Xnmap, @stake WebProxy, Nessusd+client, ip sorcery, VNC Viewer, Netware Tools(Pandora),  
rdesktop(MS Term Client), Exploits(Unicode, jill, holygrail – solaris teleted),  
Denial Of Service Attack tool(SMBdie-kills NT/2k/XP))

Exploit: bind , bsd , flood , holygrail, jill, local , rpc , sendmail , sparc , ssh ,  
unencoded-stuff , win32 , wuftp , random ( exploit)

: hexedit, vi, pico-nano

### Biatchux, PLAC, Trinux

		Trinux v. 0.80rc2	PLAC v. 2.9.5	Biatchux v. 0.4a
CD-ROM	가 가?			
floppy	가 가?			
		1.44 MB*	47 MB	117 MB
	가?		**	X
가?		X		X
	가?	X	X	
가?				
TCT		***		
tctutils		***	X	
Autopsy browser		X	X	
Ethereal			X	
tcpdump				
mac-robber		X	X	
chkrootkit		X		
LDE				
hexedit		X	X	
md5sum				
netcat				
StegDetect		X	X	
static binaries	가?	X	X	X
Windows		X	X	
Linux x86		X	X	
Solaris Sparc		X	X	
	가?	X	X	

## Biatchux

F.I.R.E. Q&A

**Q: F.I.R.E. ?**

A: F.I.R.E. 가 CD-ROM

가

가

. CD-ROM

. F.I.R.E. William Salusky

**Q: F.I.R.E.가 ?**

A:

- 
- 
- 
- 
- 

가 가

F.I.R.E. X-Windows

가

CD-ROM

**Q: / F.I.R.E.가 가?**

A: CD-ROM

- Knoopix
- Trinux
- PLAC

Knoopix

F.I.R.E.

가

Trinux

3

가

F.I.R.E.

X-Windows

PLAC CD-ROM 가

가

. F.I.R.E.

가

**Q: 가?**

A: F.I.R.E.

- Nessus, Nmap, Whisker, hping2, hunt, fragrouter
- Ethereal, Snort, tcpdump, ettercap, dsniiff, airtsnort
- chkrootkit, F-Prot
- tct, tctutils, Autopsy
- Testdisk, fdisk, gpart
- SSH (client and Server), VNC (client and server)
- Mozilla, ircII, mc, Perl, biew, fenris, gpg

Q: F.I.R.E. 가?

A: F.I.R.E. 48MB x86 PC가 X-Windows 800X600

Q: F.I.R.E. 가?

A: 가 F.I.R.E.

F.I.R.E.

Q: F.I.R.E. CD-ROM 가?

A: F.I.R.E. (\*.iso) , CD-ROM ( ISDN 200MB ).

Q: OK, ISO 가?

1. Sourceforge MD5
2. iso CD-ROM CD-ROM
3. BIOS 가 CD-ROM 가
4. F.I.R.E. CD CD-ROM (3 ) (4 )

Q: MD5 가?

A: "md5sum" .iso MD5

GNU

\$ md5sum fire-0.4a.iso

ae810533dc3ae95e4036b2d665bd5f1a \*fire-0.4a.iso

md5sum

가

MD5

DPASHA

( , fire-0.4a.iso.md5sum.txt)

\$cat fire-0.4a.iso.md5sum.txt( )

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

ae810533dc3ae95e4036b2d665bd5f1a \*fire-0.4a.iso

-----BEGIN PGP SIGNATURE-----

Version: PGP 7.0.1

iQA/AwUBPearEQCUWsrxYo1REQKSdQCg5Dxsok4GFDLxZQchQs7q79TZLYcAn1I8

nNJ4BWGAfGsvpPOPsydl2HzQ

=iUvO

-----END PGP SIGNATURE-----

("ae810533dc3ae95e4036b2d665bd5f1a")

sourceforge

**Q: CD-ROM**

가?

A: iso

CD-ROM

CD-R/W

**Q: F.I.R.E. root**

가?

A: root

"firefire"

**Q: X-windows**

가?

A:

# /sbin/dlg/startmenu

Q: /data 가?

A: 가

netcat

```
[Shim@REMOTE]$ nc -l -p 3147 > data.tar
```

F.I.R.E. ( IP Address

192.168.1.100 ):

```
[root@FIRE]# cd /data
```

```
[root@FIRE] tar cf - . | nc -nvw 192.168.1.100 3147
```

tar

```
[Shim@REMOTE]# tar -xvf data.tar
```

Q:

A: "autoexec.sh"

FAT

F.I.R.E.

```
# nano autoexec.sh
```

```
# mcopy autoexec.sh a:
```

```
"autoexec.sh" F.I.R.E.
```

```
#!/bin/sh
```

```
insmod 8390
```

```
insmod ne2k-pci
```

```
ifconfig eth0 192.168.1.100 up
```

```
echo nameserver 192.168.1.254 > /etc/resolv.conf
```

```
loadkeys it
```

F.I.R.E.

/sbin/checkfloppy.sh

Q: F.I.R.E. 가? , PC

F.I.R.E.

A: CD-ROM 가 . F.I.R.E. statically

F.I.R.E.

Q: CD-ROM

A: 4가

1. .iso . MD5
2. CD-ROM . iso 가 CD-ROM
3. CD-ROM 가 BIOS BIOS 가 CD-ROM 가
4. F.I.R.E. RAM x86 PC가

Q: CD-ROM

BIOS

A: "Smart Boot Manager"

CD-ROM

가 , BIOS CD-ROM  
BIOS CD-ROM

Q: i815 . x-Windows

A: F.I.R.E. x11 VESA . i815 VESA

Q:

A: vi Bash

# set -o emacs

Emacs

Q: 가?

A:

# loadkeys de

가

```
# loadkeys it
```

```
가 .
```

**Q:** NE2000 PCI 가 ( RealTek 8029 ).

A: :

```
# insmod 8390
```

```
# insmod ne2k-pci
```

```
IP (DHCP IP ).
```

**Q:** "autoexec.sh" .

A: :

```
# /sbin/chkfloppy.sh
```

**Q:** 가?

A: Sourceforge .

### F.I.R.E.

**Q:** 가?

A: Joe Lofshult가 FIRE , Biatchux . Winword .  
F.I.R.E. Sourceforge .

**Q:** .

A: , Biatchux

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Biatchux . 가  
2003 5 14 0.35b 0.4a .  
가 Biatchux  
, (SRC IP , DST IP , ,  
) 가 ( . ;). IP  
, 가 .  
/ , 가 . 가  
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가 .  
www.securitymap.net .  
E-Mail .