

# 秒杀普通僵尸

```
1  EAX=1D910C84
2  EBX=00000000
3  ECX=000000B4
4  EDX=000000B4
5  ESI=00000000
6  EDI=00000046
7  EBP=1D910C84
8  ESP=0019F910
9  EIP=0053131F
10
11  指针基址可能是 = 1D910C84
12
13  00531313 - mov [esp+1C],eax
14  00531317 - mov eax,ebp
15  00531319 - mov [ebp+000000C8],edi
16  0053131F - call 0052D710
17  00531324 - mov ebx,eax
```

CPU 流程图 日志 笔记 断点 内存布局 调用堆栈 断链 脚本

005312CD	CC	int3
005312CE	CC	int3
005312CF	CC	int3
005312D0	83EC 08	sub esp,8
005312D3	8B4424 14	mov eax,dword ptr ss:[esp+14]
005312D7	53	push ebx
005312D8	55	push ebp
005312D9	8B6C24 14	mov ebp,dword ptr ss:[esp+14]
005312DD	56	push esi
005312DE	8BF0	mov esi,eax
005312E0	83E6 08	and esi,8
005312E3	57	push edi
005312E4	897424 10	mov dword ptr ss:[esp+10],esi
005312E8	75 07	jne plantsvszombies.5312F1
005312EA	C745 54 19000000	mov dword ptr ss:[ebp+54],19
005312F1	A8 04	test al,4
005312F3	74 09	je plantsvszombies.5312FE
005312F5	6A 00	push 0
005312F7	8BC5	mov eax,ebp
005312F9	E8 52F6FFFF	call <plantsvszombies.sub_530950>
005312FE	8B8D C8000000	mov edi,dword ptr ss:[ebp+54]
00531304	8BC5	mov eax,ebp
00531306	897C24 14	mov dword ptr ss:[esp+14],edi
0053130A	E8 01C4FFFF	call <plantsvszombies.sub_52D710>
0053130F	2B7C24 20	sub edi,dword ptr ss:[esp+20]
00531313	894424 1C	mov dword ptr ss:[esp+1C],eax
00531317	8BC5	mov eax,ebp
00531319	898D C8000000	mov dword ptr ss:[ebp+C8],edi
0053131F	E8 ECC3FFFF	call <plantsvszombies.sub_52D710>
00531324	8BD8	mov ebx,eax
00531326	8B45 24	mov eax,dword ptr ss:[ebp+24]
00531329	83F8 0C	cmp eax,C
0053132C	0F85 56010000	jne plantsvszombies.531488
00531332	8B4D 00	mov ecx,dword ptr ss:[ebp]
00531335	8B81 20080000	mov eax,dword ptr ds:[ecx+820]
00531338	8B50 08	mov edx,dword ptr ds:[eax+8]
0053133E	8B85 18010000	mov eax,dword ptr ss:[ebp+118]
00531344	25 FFFF0000	and eax,FFFF
00531349	8D3480	lea esi,dword ptr ds:[eax+eax*4]
0053134C	C1E6 05	shl esi,5
00531351	0332	add esi,dword ptr ds:[edx]
00531351	837C24 10 00	cmp dword ptr ss:[esp+10],0
00531356	75 52	jne plantsvszombies.5313AA
00531358	80B9 C5080000 00	cmp byte ptr ds:[ecx+8C5],0
0053135F	75 49	jne plantsvszombies.5313AA
00531361	D9EE	fldz
00531363	8BB9 84070000	mov edi,dword ptr ds:[ecx+784]
00531369	8B0D 009F6A00	mov ecx,dword ptr ds:[6A9F00]
0053136F	D95424 20	fst dword ptr ss:[esp+20],st(0)
00531373	D899 5C090000	fcomp st(0),dword ptr ds:[ecx+95C]
00531379	DFF0	fnstsw ax
0053137B	F6C4 44	test ah,44
0053137E	7B 16	jnp plantsvszombies.531396
00531380	D981 5C090000	fld st(0),dword ptr ds:[ecx+95C]
00531386	51	push ecx
00531387	D91C24	fstp dword ptr ss:[esp],st(0)

CPU	流程图	日志	笔记	断点	内存布局	调用堆栈	断链	脚本
005312DE						mov esi,eax		
005312E0						and esi,8		
005312E3						push edi		
005312E4						mov dword ptr ss:[esp+10],esi		
005312E8						jne plantsvszombies.5312F1		
005312EA						mov dword ptr ss:[ebp+54],19		
005312F1						test al,4		
005312F3						je plantsvszombies.5312FE		
005312F5						push 0		
005312F7						mov eax,ebp		
005312F9						call <plantsvszombies.sub_530950>		
005312FE						mov edi,dword ptr ss:[ebp+C8]		
00531304						mov eax,ebp		
00531306						mov dword ptr ss:[esp+14],edi		
0053130A						call <plantsvszombies.sub_52D710>		
0053130F						sub edi,edi		
00531311						nop		
00531312						nop		
00531313						mov dword ptr ss:[esp+1C],eax		
00531317						mov eax,ebp		
00531319						mov dword ptr ss:[ebp+C8],edi		
0053131F						call <plantsvszombies.sub_52D710>		
00531324						mov ebx,eax		
00531326						mov eax,dword ptr ss:[ebp+24]		
00531329						cmp eax,C		
0053132C						jne plantsvszombies.531488		
00531332						mov ecx,dword ptr ss:[ebp]		
00531335						mov eax,dword ptr ds:[ecx+820]		
00531338						mov edx,dword ptr ds:[eax+8]		
0053133E						mov eax,dword ptr ss:[ebp+118]		
00531344						and eax,FFFF		
00531349						lea esi,dword ptr ds:[eax+eax*4]		
0053134C						shl esi,5		
0053134F						add esi,dword ptr ds:[edx]		
00531351						cmp dword ptr ss:[esp+10],0		
00531356						jne plantsvszombies.5313AA		
00531358						cmp byte ptr ds:[ecx+8C5],0		
0053135F						jne plantsvszombies.5313AA		
00531361						fildz		
00531363						mov edi,dword ptr ds:[ecx+784]		
00531369						mov ecx,dword ptr ds:[6A9F00]		
0053136F						fst dword ptr ss:[esp+20],st(0)		
00531373						fcomp st(0),dword ptr ds:[ecx+95C]		
00531379						fnstsw ax		
0053137B						test ah,44		
0053137E						jnp plantsvszombies.531396		
00531380						fild st(0),dword ptr ds:[ecx+95C]		
00531386						push ecx		
00531387						fstp dword ptr ss:[esp],st(0)		
0053138A						call <plantsvszombies.sub_5AF410>		
0053138F						fstp dword ptr ss:[esp+24],st(0)		
00531393						add esp,4		
00531396						fild st(0),dword ptr ss:[esp+20]		
0053139A						push ecx		
00531398						mov eax,2E		
005313A0						fstp dword ptr ss:[esp],st(0)		

## 秒杀戴帽子僵尸

```

1  EAX=00000014
2  EBX=00000000
3  ECX=0000006E
4  EDX=00000001
5  ESI=00000000
6  EDI=00000172
7  EBP=19996960
8  ESP=0019F920
9  EIP=00531053
10
11  指针基址可能是 = 19996960
12
13  00531046 - test bl,04
14  00531049 - mov [esp+0C],esi
15  0053104D - mov [ebp+000000D0],ecx
16  00531053 - je 0053105E
17  00531055 - push 00

```

# 秒杀铁丝网僵尸

```
1  EAX=00000014
2  EBX=00000000
3  ECX=0000016E
4  EDX=00000000
5  ESI=167933F8
6  EDI=000002F8
7  EBP=0000044C
8  ESP=0019F918
9  EIP=00530CA7
10
11  指针基址可能是 = 167933F8
12
13  00530C9D - mov  eax,edx
14  00530C9F - sub  edx,eax
15  00530CA1 - sub  [esi+000000DC],eax
16  00530CA7 - mov  edi,[esi+000000DC]
17  00530CAD - mov  [esp+18],edx
```

CPU 流程图 日志 笔记 断点 内存布局 调用堆栈 断链 脚本

00530C85	8BC2	mov eax,edx
00530C87	C1E8 1F	shr eax,1F
00530C8A	03C2	add eax,edx
00530C8C	33DB	xor ebx,ebx
00530C8E	3BF8	cmp edi,eax
00530C90	0F9CC3	setl bl
00530C93	> 885424 18	mov edx,dword ptr ss:[esp+18]
00530C97	3BFA	cmp edi,edx
00530C99	8BC7	mov eax,edi
00530C98	7C 02	j1 plantsvszombies.530C9F
00530C9D	8BC2	mov eax,edx
00530C9F	> 28D0	sub edx,eax
00530CA1	2986 DC000000	sub dword ptr ds:[esi+DC],eax
00530CA7	88BF DC000000	mov edi,dword ptr ds:[esi+DC]
00530CAD	895424 18	mov dword ptr ss:[esp+18],edx
00530CB1	75 17	jne plantsvszombies.530CCA
00530CB3	884C24 1C	mov ecx,dword ptr ss:[esp+1C]
00530CB7	51	push ecx
00530CB8	56	push esi
00530CB9	E8 42FDFFFF	call <plantsvszombies.sub_530A00>
00530CBE	884424 18	mov eax,dword ptr ss:[esp+18]
00530CC2	5F	pop edi
00530CC3	5E	pop esi
00530CC4	5D	pop ebp
00530CC5	5B	pop ebx
00530CC6	59	pop ecx
00530CC7	C2 0800	ret 8
00530CCA	> 3BF9	cmp edi,ecx
00530CCB	7D 07	jge plantsvszombies.530CD5
00530CCE	BD 02000000	mov ebp,2
00530CD3	> EB 19	jmp plantsvszombies.530CEE
00530CD5	03ED	add ebp,ebp
00530CD7	B8 56555555	mov eax,55555556
00530CDC	F7ED	imul ebp
00530CDE	8BC2	mov eax,edx
00530CE0	C1E8 1F	shr eax,1F
00530CE3	33C9	xor ecx,ecx
00530CE5	03C2	add eax,edx
00530CE7	3BF8	cmp edi,eax
00530CE9	0F9CC1	setl cl
00530CEC	8BE9	mov ebp,ecx
00530CEE	> 3BDD	cmp ebx,ebp
00530CF0	> 0F84 21010000	je plantsvszombies.530E17
00530CF6	8B16	mov edx,dword ptr ds:[esi]
00530CF8	8B8E 18010000	mov ecx,dword ptr ds:[esi+118]
00530CFE	85C9	test ecx,ecx
00530D00	8B82 20080000	mov eax,dword ptr ds:[edx+820]
00530D06	8B50 08	mov edx,dword ptr ds:[eax+8]
00530D09	> 75 04	jne plantsvszombies.530D0F
00530D0B	33FF	xor edi,edi
00530D0D	> EB 26	jmp plantsvszombies.530D35
00530D0F	> 0FB7C1	movzx eax,cx
00530D12	3B42 08	cmp eax,dword ptr ds:[edx+8]
00530D15	> 72 04	jb plantsvszombies.530D18
00530D17	33FF	xor edi,edi
00530D19	> EB 1A	jmp plantsvszombies.530D35

## 植物安放无CD

```

1  EAX=02879CF0
2  EBX=1A482230
3  ECX=1A482230
4  EDX=0287A848
5  ESI=00000000
6  EDI=17050E58
7  EBP=00000000
8  ESP=0019FA00
9  EIP=00487290
10
11  指针基址可能是 = 17050E58
12
13  00487286 - cmp byte ptr [edi+49],00
14  0048728A - je 004872AC
15  0048728C - add dword ptr [edi+24],01
16  00487290 - mov eax,[edi+24]
17  00487293 - cmp eax,[edi+28]

```

CPU 流程图 日志 笔记 断点 内存布局 调用堆栈 断点 脚本 符号

00487258	83B8 FC070000 03	cmp dword ptr ds:[eax+7FC],3
0048725F	0F85 10010000	jle plantsvszombies.487375
00487265	837F 34 FF	cmp dword ptr ds:[edi+34],FFFFFFF
00487269	0F84 06010000	jle plantsvszombies.487375
0048726F	8B4F 04	mov ecx,dword ptr ds:[edi+4]
00487272	83B9 68550000 00	cmp dword ptr ds:[ecx+5568],0
00487279	75 05	jne plantsvszombies.487280
0048727B	E8 10FFFFFF	call <plantsvszombies.sub_487190>
00487280	807F 48 00	cmp byte ptr ds:[edi+48],0
00487284	75 26	jne plantsvszombies.4872AC
00487286	807F 49 00	cmp byte ptr ds:[edi+49],0
0048728A	74 20	jle plantsvszombies.4872AC
0048728C	8347 24 01	add dword ptr ds:[edi+24],1
00487290	8B47 24	mov eax,dword ptr ds:[edi+24]
00487293	3847 28	cmp eax,dword ptr ds:[edi+28]
00487296	7E 14	jle plantsvszombies.4872AC
00487298	C747 24 00000000	mov dword ptr ds:[edi+24],0
0048729F	C647 49 00	mov byte ptr ds:[edi+49],0
004872A3	C647 48 01	mov byte ptr ds:[edi+48],1
004872A7	E8 E4FFFFFF	call <plantsvszombies.sub_487190>
004872AC	8B47 3C	mov eax,dword ptr ds:[edi+3C]
004872AF	85C0	test eax,ecx
004872B1	0F8E BE000000	jle plantsvszombies.487375
004872B7	8D48 FF	lea ecx,dword ptr ds:[eax-1]
004872BA	8D91 70FFFFFF	lea edx,dword ptr ds:[ecx-190]
004872C0	895424 08	mov dword ptr ss:[esp+8],edx
004872C4	DB4424 08	fild st(0),dword ptr ss:[esp+8]
004872C8	894F 3C	mov dword ptr ds:[edi+3C],ecx
004872CB	DC35 30976700	fdiv st(0),qword ptr ds:[679730]
004872D1	D95C24 08	fstp dword ptr ss:[esp+8],st(0)
004872D5	D9EE	fldz
004872D7	D94424 08	fild st(0),dword ptr ss:[esp+8]
004872DB	D8D1	fcom st(0),st(1)
004872DD	D9E0	fnstsw ax
004872DF	D9E8	fldi
004872E1	F6C4 41	test ah,41
004872E4	7A 0A	jb plantsvszombies.4872F0
004872E6	DDD9	fstp st(1),st(0)
004872E8	D905 20936700	fild st(0),dword ptr ds:[679320]
004872EE	E8 21	jmp plantsvszombies.487311
004872F0	D8D1	fcom st(0),st(1)
004872F2	D9E0	fnstsw ax
004872F4	F6C4 41	test ah,41
004872F7	7A 0A	jb plantsvszombies.487303
004872F9	DDD9	fstp st(1),st(0)
004872FB	D905 E0936700	fild st(0),dword ptr ds:[6793E0]
00487301	E8 0E	jmp plantsvszombies.487311
00487303	D9C9	fxch st(0),st(1)
00487305	DC0D 409A6700	fmul st(0),qword ptr ds:[679A40]
00487308	DC05 B8936700	fadd st(0),qword ptr ds:[6793B8]
00487311	D95C24 08	fstp dword ptr ss:[esp+8],st(0)
00487315	D94424 08	fild st(0),dword ptr ss:[esp+8]
00487319	DC0D 30956700	fmul st(0),qword ptr ds:[679530]
0048731F	D847 44	fadd st(0),dword ptr ds:[edi+44]
00487322	D95C24 08	fstp dword ptr ss:[esp+8],st(0)
00487326	D94424 08	fild st(0),dword ptr ss:[esp+8]

## 大嘴花吞噬无CD

```

1  EAX=000009D9
2  EBX=167E2B80
3  ECX=00000006
4  EDX=02889CF0
5  ESI=0019FA20
6  EDI=167E2B80
7  EBP=00000000
8  ESP=0019F9F8
9  EIP=00463252
10
11  指针基址可能是 = 167E2B80
12
13  0046324A - jle 00463252
14  0046324C - add eax,-01
15  0046324F - mov [edi+54],eax
16  00463252 - mov ecx,[edi]
17  00463254 - call 00453840
    
```



## 植物安放call

```

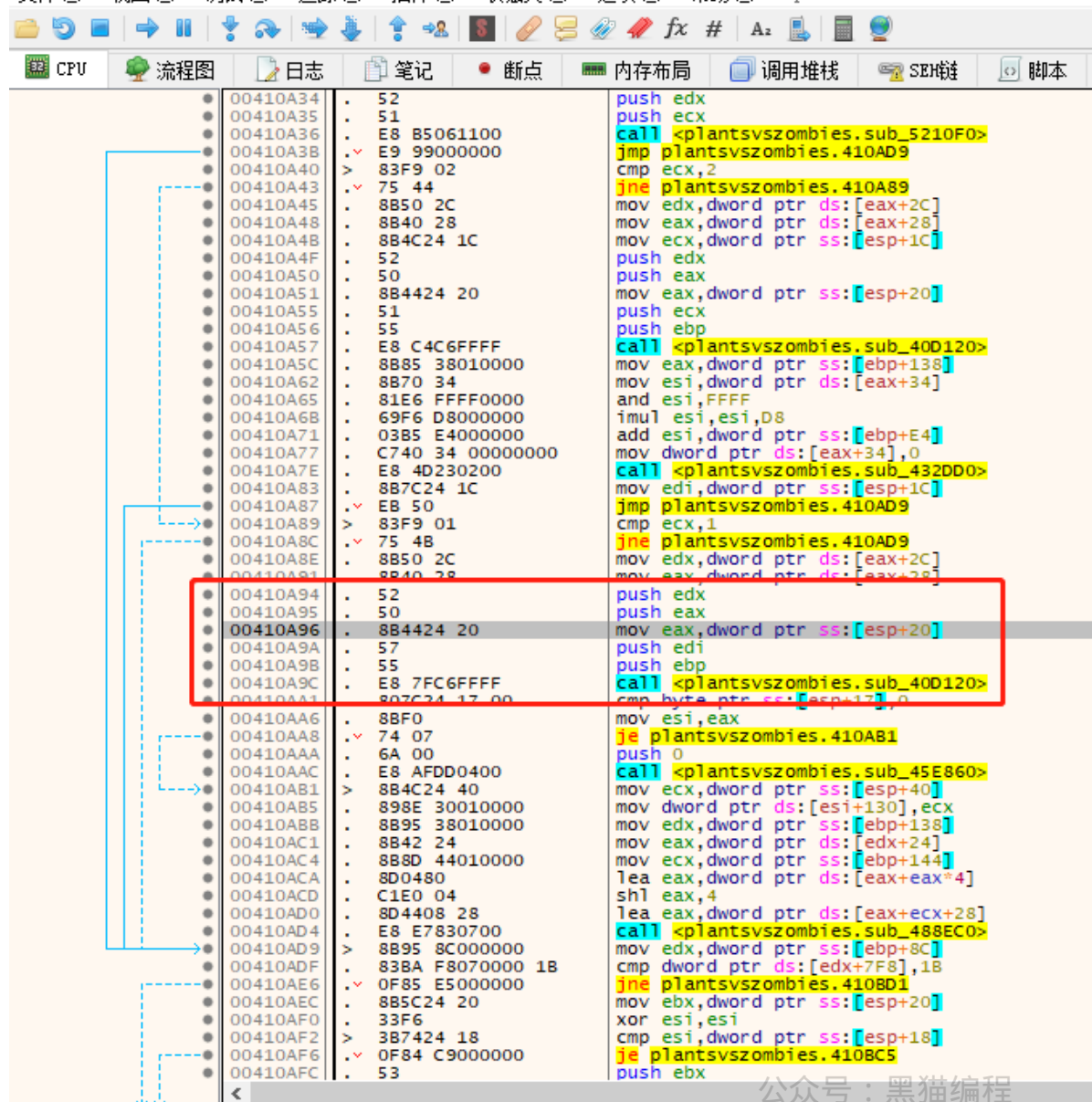
1  EAX=00000006
2  EBX=00000002
3  ECX=00000000
4  EDX=16030010
5  ESI=16BBA284
6  EDI=00000006
7  EBP=16B5D6E0
8  ESP=0019FB78
9  EIP=00410AC4

10
11  指针基址可能是 = 16030010
12
13  00410AB5 - mov [esi+00000130],ecx
14  00410ABB - mov edx,[ebp+00000138]
15  00410AC1 - mov eax,[edx+24]
16  00410AC4 - mov ecx,[ebp+00000144]
17  00410ACA - lea eax,[eax+eax*4]

```

PlantsVsZombies.exe - PID: 7D70 - 模块: plantsvszombies.exe - 线程: 89A0 (切换自 主线程) - 1\_32 [管理员]

文件(F) 视图(V) 调试(D) 追踪(T) 插件(P) 收藏夹(I) 选项(O) 帮助(H) Apr 2 2020



公众号：黑猫编程

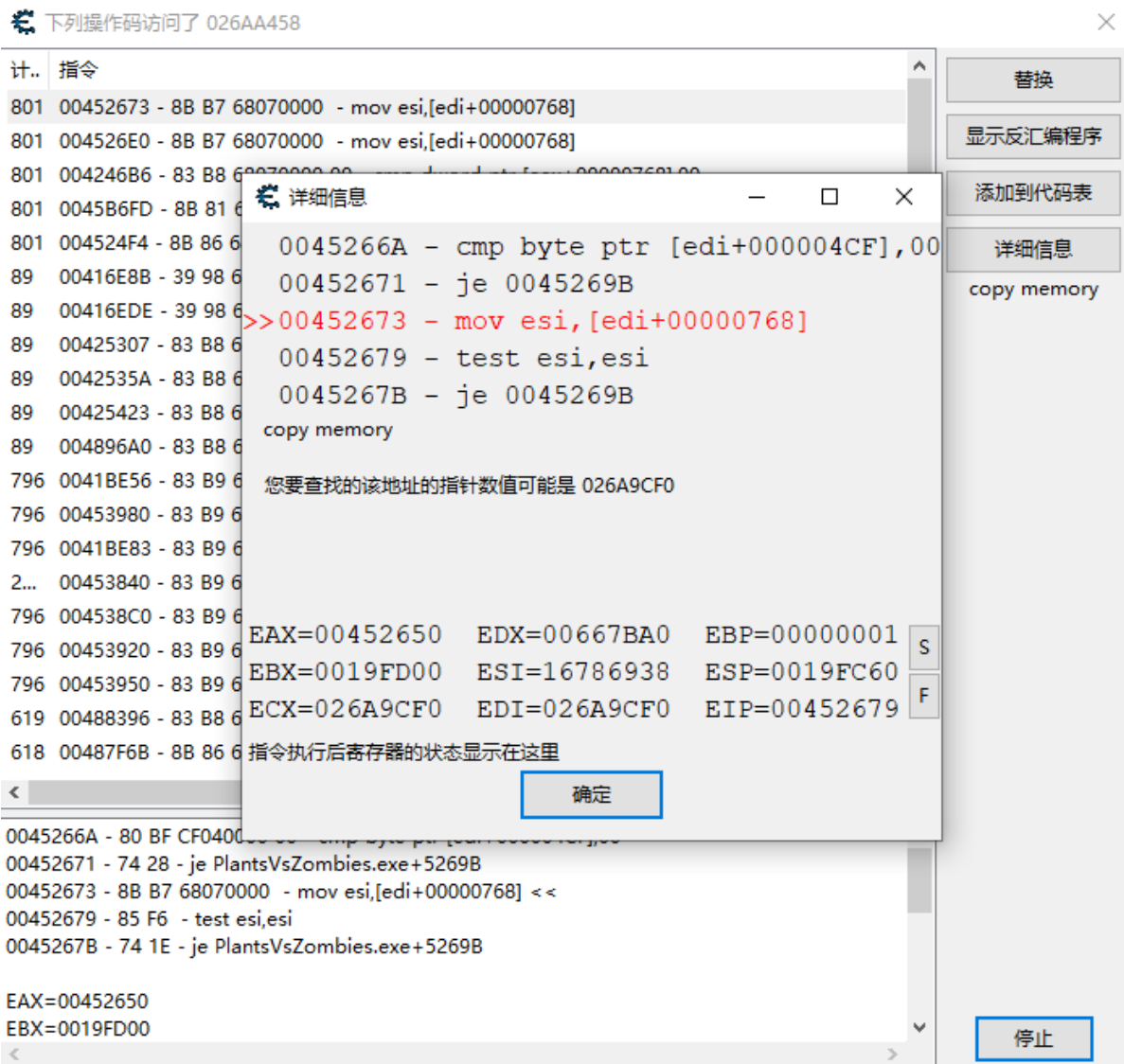
网址: <https://noi.hioier.co>

EAX	00000002
EBX	00000006
ECX	00000001
EDX	FFFFFFFF
EBP	15FCF930
ESP	0019FB68
ESI	00000000
EDI	00000005
EIP	00410A9C
EFLAGS	00000344
ZF	1
PF	1
AF	0
OF	0
SF	0
DF	0
CF	0
TF	1
IF	1

```

1 00410A94 | 52 | push edx
2 00410A95 | 50 | push eax
3 00410A96 | 8B4424 20 | mov eax,dword ptr ss:[esp+20]
4 00410A9A | 57 | push edi
5 00410A9B | 55 | push ebp
6 00410A9C | E8 7FC6FFFF | call <plantsvszombies.sub_40D120>
7
8 EBP是变化的，需要寻找基址
9
10 push -1
11 push 1
12 mov eax, 1
13 push 2
14 mov ebx, ds:[0x6A9EC0]
15 mov ebx, ds:[ebx+0x768]
16 push ebx
17 mov edx,0x40D120
18 call edx
19
20 __asm {
21     pushad
22     push -1
23     push 2
24     mov eax, 0
25     push 2
26     mov ebx, ds:[0x6A9EC0]
27     mov ebx, ds:[ebx+0x768]
28     push ebx
29     mov edx,0x40D120
30     call edx
31     popad
32     ret
33 }
```





- 注入时一定要切换为Release模式
  - Debug通常称为调试版本，通过一系列编译选项的配合，编译结果通常包含调试信息，而且不做任何优化，以为开发人员提供强大的应用程序调试能力。但是注入时也包含很多额外信息，进而导致注入失败。
  - Release通常称为发布版本，是为用户使用的，一般客户不允许在发布版本上进行调试，所以不保存调试信息，同时它往往进行了各种优化，以期达到代码最小和速度最优，为用户的使用提供便利。
- 关闭SDL检查
  - SDL检查也叫做 安全开发生命周期检查，是微软在VS2012推出的，为了能更好的监管开发者的代码安全，如果勾选上这一项，那么他将严格按照SDL的规则编译代码，会有一些以前常用的函数无法通过编译，比如在VS2010中的scanf是warning那么在VS2012中就是error。

/sdl 启用警告	等效的命令开关	描述
C4146	/we4146	一元负运算符应用于无符号类型，从而导致无符号结果。
C4308	/we4308	一个负整型常数转换为无符号类型，从而导致一个可能无意义结果。
C4532	/we4532	__finally /finally中的关键词，使用continue, break 或 goto在异常终止块未定义行为。
C4533	/we4533	初始化变量的代码不会执行。
C4700	/we4700	使用未初始化的局部变量。
C4703	/we4703	对一个潜在的未初始化的局部指针变量的使用。
C4789	/we4789	当使用时，请缓冲区溢出特定 C 运行时 (CRT) 函数。
C4995	/we4995	使用函数的标deprecated。
C4996	/we4996	使用函数的标记作为deprecated。

## 源码展示

```

1  HANDLE g_process_handle;    // 游戏进程句柄
2  HANDLE g_monitor_thread;
3  BOOL is_collect_sun;
4
5  // 向指定内存写入数据
6  void writeMemory(HANDLE hProcess, void* value, DWORD valueSize, ...) {
7      if (value == NULL || valueSize == 0 || hProcess == NULL) return;
8
9      DWORD tempValue = 0;
10
11     va_list addresses;
12     va_start(addresses, valueSize);
13     DWORD offset = 0;
14     DWORD lastAddress = 0;
15     while ((offset = va_arg(addresses, DWORD)) != -1) {
16         lastAddress = tempValue + offset;
17         ::ReadProcessMemory(hProcess, (LPCVOID)lastAddress, &tempValue,
18             sizeof(DWORD), NULL);
19     }
20     va_end(addresses);
21     ::WriteProcessMemory(hProcess, (LPVOID)lastAddress, value, valueSize,
22         NULL);
23 }
24 void writeMemory(HANDLE hProcess, void* value, DWORD valueSize, DWORD
25     address) {
26     writeMemory(hProcess, value, valueSize, address, -1);
27 }
28 // 线程函数
29 DWORD WINAPI monitorThreadProc(LPVOID lpParameter) {
30     while (TRUE) {
31         HWND game_hwnd = ::FindWindowA(NULL, "植物大战僵尸中文版");
32         if (!game_hwnd) {
33             ::MessageBoxA(NULL, "植物大战僵尸游戏未打开", "错误", MB_OK);
34         }
35         else if (!g_process_handle) {

```

```

36         DWORD pid;
37         ::GetWindowThreadProcessId(game_hwnd, &pid);
38         g_process_handle = ::OpenProcess(PROCESS_ALL_ACCESS, NULL, pid);
39     }
40
41     WriteMemory(g_process_handle, &is_collect_sun,
sizeof(is_collect_sun), 0x6A9EC0, 0x768, 0xe4, 0x50, -1);
42
43     ::Sleep(1000);
44 }
45
46 return 0;
47 }
48
49 // 提升权限函数
50 BOOL ImproveAccessPrivilege()
51 {
52     HANDLE tokenHandle;
53     LUID privilegeValue;
54
55     if (!::OpenProcessToken(GetCurrentProcess(), TOKEN_ADJUST_PRIVILEGES |
TOKEN_QUERY, &tokenHandle)) return FALSE;
56
57     if (!LookupPrivilegeValue(NULL, SE_DEBUG_NAME, &privilegeValue))
58     {
59         ::CloseHandle(tokenHandle);
60         return FALSE;
61     }
62
63     TOKEN_PRIVILEGES privileges;
64     privileges.PrivilegeCount = 1;
65     privileges.Privileges[0].Luid = privilegeValue;
66     privileges.Privileges[0].Attributes = SE_PRIVILEGE_ENABLED;
67
68     if (!::AdjustTokenPrivileges(tokenHandle, FALSE, &privileges,
sizeof(privileges), NULL, NULL))
69     {
70         ::CloseHandle(tokenHandle);
71         return FALSE;
72     }
73
74     return TRUE;
75 }

```

```

1  ImproveAccessPrivilege();
2  g_monitor_thread = ::CreateThread(NULL, NULL, monitorThreadProc, NULL, NULL,
NULL);
3
4  // 阳光初始值
5  m_edit_sun_value = "8000";
6  m_edit_money_value = "9999";
7  m_edit_plantX = "5";
8  m_edit_plantY = "4";
9
10 UpdateData(FALSE);

```

```

1 // 设置阳光值
2 void CPlantsVsZombiesWGDIg::OnBnClickedBtnSetSun()
3 {
4     UpdateData(TRUE);
5
6     int sun_value = _ttoi(m_edit_sun_value);
7     writeMemory(g_process_handle, &sun_value, sizeof(sun_value), 0x6A9EC0,
8     0x768, 0x5560, -1);
9 }
10
11 // 设置金币值
12 void CPlantsVsZombiesWGDIg::OnBnClickedBtnSetmoney()
13 {
14     UpdateData(TRUE);
15     int money_value = _ttoi(m_edit_money_value);
16     writeMemory(g_process_handle, &money_value, sizeof(money_value),
17     0x6A9EC0, 0x82C, 0x28, -1);
18 }
19
20 // 自动收集阳光
21 void CPlantsVsZombiesWGDIg::OnBnClickedCheckAutoCollect()
22 {
23     if (m_check_auto_collect.GetCheck()) is_collect_sun = 1;
24     // else is_collect_sun = 0;
25 }
26
27
28 // 秒杀僵尸
29 void CPlantsVsZombiesWGDIg::OnBnClickedCheckKill()
30 {
31     DWORD address1 = 0x53130F; // 普通僵尸
32     DWORD address2 = 0x531044; // 戴帽子僵尸
33     DWORD address3 = 0x530CB1; // 铁丝网僵尸
34
35     if (m_check_kill.GetCheck()) {
36
37         BYTE data1[] = { 0x29, 0xff, 0x90, 0x90 };
38         writeMemory(g_process_handle, data1, sizeof(data1), address1);
39
40         BYTE data2[] = { 0x29, 0xc9 };
41         writeMemory(g_process_handle, data2, sizeof(data2), address2);
42
43         BYTE data3[] = { 0x90, 0x90 };
44         writeMemory(g_process_handle, data3, sizeof(data3), address3);
45         /*::WriteProcessMemory(g_process_handle, (LPVOID)0x53130F,
46         (LPCVOID)&data1[0], 1, NULL);
47         ::WriteProcessMemory(g_process_handle, (LPVOID)0x531310,
48         (LPCVOID)&data1[1], 1, NULL);
49         ::WriteProcessMemory(g_process_handle, (LPVOID)0x531311,
50         (LPCVOID)&data1[2], 1, NULL);
51         ::WriteProcessMemory(g_process_handle, (LPVOID)0x531312,
52         (LPCVOID)&data1[3], 1, NULL);*/
53     }
54 }

```

```

50     else {
51         BYTE data1[] = { 0x2b, 0x7c, 0x24, 0x20 };
52         WriteMemory(g_process_handle, data1, sizeof(data1), address1);
53
54         BYTE data2[] = { 0x2b, 0xc8 };
55         WriteMemory(g_process_handle, data2, sizeof(data2), address2);
56
57         BYTE data3[] = { 0x75, 0x17 };
58         WriteMemory(g_process_handle, data3, sizeof(data3), address3);
59     }
60 }
61
62 // 植物不死
63 void CPlantsVsZombiesWGDlg::OnBnClickedCheckPlantsNodeath()
64 {
65     DWORD address1 = 0x52FCF0;
66     DWORD address2 = 0x46D7A6;
67     DWORD address3 = 0x45EC63;
68     DWORD address4 = 0x46CFEB;
69     if (m_check_plabts_no_death.GetCheck()) {
70         BYTE data1[] = { 0x90, 0x90, 0x90, 0x90 };
71         WriteMemory(g_process_handle, data1, sizeof(data1), address1);
72
73         BYTE data2[] = { 0x90, 0x90, 0x90 };
74         WriteMemory(g_process_handle, data2, sizeof(data2), address2);
75
76         BYTE data3[] = { 0x90, 0x90, 0x90, 0x90 };
77         WriteMemory(g_process_handle, data3, sizeof(data3), address3);
78
79         BYTE data4[] = { 0x90, 0x90, 0x90 };
80         WriteMemory(g_process_handle, data4, sizeof(data4), address4);
81     }
82     else {
83         BYTE data1[] = { 0x83, 0x46, 0x40, 0xFC };
84         WriteMemory(g_process_handle, data1, sizeof(data1), address1);
85
86         BYTE data2[] = { 0x29, 0x4E, 0x40 };
87         WriteMemory(g_process_handle, data2, sizeof(data2), address2);
88
89         BYTE data3[] = { 0x83, 0x46, 0x40, 0xCE };
90         WriteMemory(g_process_handle, data3, sizeof(data3), address3);
91
92         BYTE data4[] = { 0x29, 0x50, 0x40 };
93         WriteMemory(g_process_handle, data4, sizeof(data4), address4);
94     }
95 }
96
97
98 // 后台运行
99 void CPlantsVsZombiesWGDlg::OnBnClickedCheckRunInbg()
100 {
101     DWORD address = 0x54E1C2;
102     if (m_check_run_inbg.GetCheck()) {
103         BYTE data[] = { 0x90, 0x90, 0x90 };
104         WriteMemory(g_process_handle, data, sizeof(data), address);
105     }
106     else {
107         BYTE data[] = { 0x0F, 0x95, 0xc0 };

```

```

108     WriteMemory(g_process_handle, data, sizeof(data), address);
109 }
110 }
111
112
113 void CPlantsVsZombiesWGDIg::OnBnClickedCheckPlantsNocd()
114 {
115     DWORD address = 0x487296;
116     if (m_check_plants_nocd.GetCheck()) {
117         BYTE data[] = { 0x90, 0x90 };
118         WriteMemory(g_process_handle, data, sizeof(data), address);
119     }
120     else {
121         BYTE data[] = { 0x7E, 0x24 };
122         WriteMemory(g_process_handle, data, sizeof(data), address);
123     }
124 }
125
126
127 void CPlantsVsZombiesWGDIg::OnBnClickedCheckBigmouseNocd()
128 {
129     DWORD address = 0x46324c;
130     if (m_check_bigmouse_nocd.GetCheck()) {
131         BYTE data[] = { 0x29, 0xc0, 0x90 };
132         WriteMemory(g_process_handle, data, sizeof(data), address);
133     }
134     else {
135         BYTE data[] = { 0x83, 0xc0, 0xff };
136         WriteMemory(g_process_handle, data, sizeof(data), address);
137     }
138 }
139
140 // -----植物全屏种植-----
141 typedef struct PutPlantsNode {
142     UINT x, y, id;
143 }PutPlants, *PPutPlants;
144
145 // 无参自定义汇编
146 __declspec(naked) void asmPutPlants() {
147     __asm {
148         pushad
149         push -1
150         push 1
151         mov eax, 1
152         push 2
153         mov ebx, ds:[0x6A9EC0]
154         mov ebx, ds:[ebx+0x768]
155         push ebx
156         mov edx, 0x40D120
157         call edx
158         popad
159         ret
160     }
161 }
162
163 // 有参自定义汇编
164 DWORD __stdcall asmPutPlants2(LPVOID lpThreadParam) {
165

```



```

166     PPutPlants p_param = (PPutPlants)lpThreadParam;
167     UINT x = p_param->x;
168     UINT y = p_param->y;
169     UINT id = p_param->id;
170     __asm {
171         pushad
172         push - 1
173         push id
174         mov eax, x
175         push y
176         mov ebx, dword ptr ds: [0x6A9EC0]
177         mov ebx, dword ptr ds : [ebx + 0x768]
178         push ebx
179         mov edx, 0x40D120
180         call edx
181         popad
182     }
183     return 0;
184 }
185
186 // 带参数的注入
187 BOOL injectRemoteThread(LPVOID funcAddr, LPVOID paramAddr, DWORD paramSize)
188 {
189     // 函数所需空间
190     LPVOID threadFuncAddr = ::VirtualAllocEx(g_process_handle, NULL, 4096,
191     MEM_COMMIT | MEM_RESERVE, PAGE_EXECUTE_READWRITE);
192     // 写入函数汇编
193     ::WriteProcessMemory(g_process_handle, threadFuncAddr, funcAddr, 4096,
194     NULL);
195     // 参数所需空间
196     LPVOID threadParamAddr = ::VirtualAllocEx(g_process_handle, NULL, 4096,
197     MEM_COMMIT | MEM_RESERVE, PAGE_EXECUTE_READWRITE);
198     // 写入参数汇编
199     ::WriteProcessMemory(g_process_handle, threadParamAddr, paramAddr,
200     paramSize, NULL);
201     // 执行注入的函数和参数
202     HANDLE remoteThreadRet = ::CreateRemoteThread(g_process_handle, NULL,
203     0, (LPTHREAD_START_ROUTINE)threadFuncAddr, threadParamAddr, 0, NULL);
204     BOOL is_sucess = FALSE;
205     if (remoteThreadRet) is_sucess = TRUE;
206     DWORD threadwaitRet = ::WaitForSingleObject(remoteThreadRet, 0);
207     if (WAIT_TIMEOUT == threadwaitRet)
208         ::CloseHandle(remoteThreadRet);
209     else {
210         ::VirtualFreeEx(g_process_handle, threadFuncAddr, 0, MEM_RELEASE);
211         ::VirtualFreeEx(g_process_handle, threadParamAddr, 0, MEM_RELEASE);
212     }
213     return is_sucess;
214 }
215
216 // 组合框选择植物发生改变

```

```

218 void CPlantsVsZombiesWGDlg::OnCbnSelChangeCbxPlantsType()
219 {
220     UpdateData(TRUE);
221     UINT x = _ttoi(m_edit_plantX) - 1;
222     UINT y = _ttoi(m_edit_plantY) - 1;
223     UINT id = m_cbx_choose_plant.GetCurSel() + 1;
224     PutPlants param = { x, y, id };
225
226     if (!injectRemoteThread(asmPutPlants2, &param, sizeof(param)))
227         ::MessageBoxA(NULL, "安放植物失败", "错误", MB_OK);
228 }
229
230 // 范围随机种植
231 void CPlantsVsZombiesWGDlg::OnBnClickedBtnRandPutPlants()
232 {
233     // 无参注入测试
234     /*LPVOID threadAddr = ::VirtualAllocEx(g_process_handle, NULL, 4096,
MEM_COMMIT | MEM_RESERVE, PAGE_EXECUTE_READWRITE);
235     ::WriteProcessMemory(g_process_handle, threadAddr, asmPutPlants, 4096,
NULL);
236     HANDLE remoteThread = ::CreateRemoteThread(g_process_handle, NULL, 0,
(LPTHREAD_START_ROUTINE)threadAddr, NULL, 0, NULL);*/
237     UpdateData(TRUE);
238     UINT row = _ttoi(m_edit_plantX);
239     UINT col = _ttoi(m_edit_plantY);
240
241     for (int i = 0; i < row; i++) {
242         for (int j = 0; j < col; j++) {
243             PutPlants param = { i, j, rand() % 8 + 1 };
244             if (!injectRemoteThread(asmPutPlants2, &param, sizeof(param)))
245             {
246                 ::MessageBoxA(NULL, "安放植物失败", "错误", MB_OK);
247                 return;
248             }
249             ::Sleep(100);
250         }
251     }
252 }
253
254 void CPlantsVsZombiesWGDlg::OnClose()
255 {
256     ::TerminateThread(g_monitor_thread, 0);
257     ::CloseHandle(g_monitor_thread);
258     ::CloseHandle(g_process_handle);
259
260     CDialogEx::OnClose();
261 }

```