

# Agent Tesla Malware Analysis

 cyber-forensics.blog/2024/05/06/formbook-analysis/

May 6, 2024

Hi, welcome to my first public analysis for malware. I spent most of the weekend analyzing the Agent Tesla malware. From reading other malware analysis of Agent Tesla it seems that it's been in the wild for a little over 5 years and is mainly spread through phishing campaigns. It is also a well known commercial malware that is being sold as a service. My analysis is broken into 2 parts, static and dynamic analysis. If you find any errors or just want to get into contact, my email is in the about section any recommendations or suggestions are always welcome! Anyways without further ado, here is the analysis.

Download:

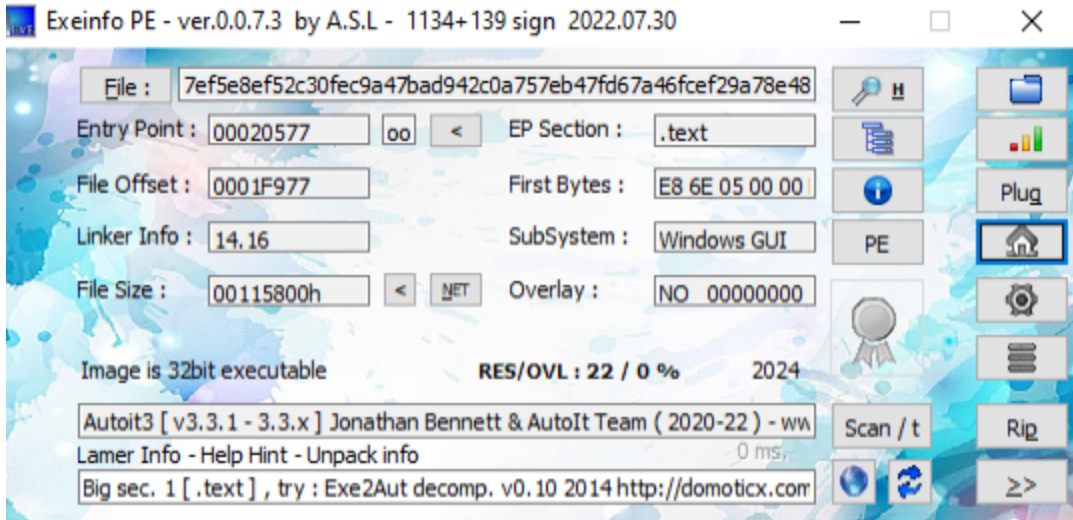
<https://bazaar.abuse.ch/download/7ef5e8ef52c30fec9a47bad942c0a757eb47fd67a46fce9a78e4892a0a0e94/>

## Static analysis:

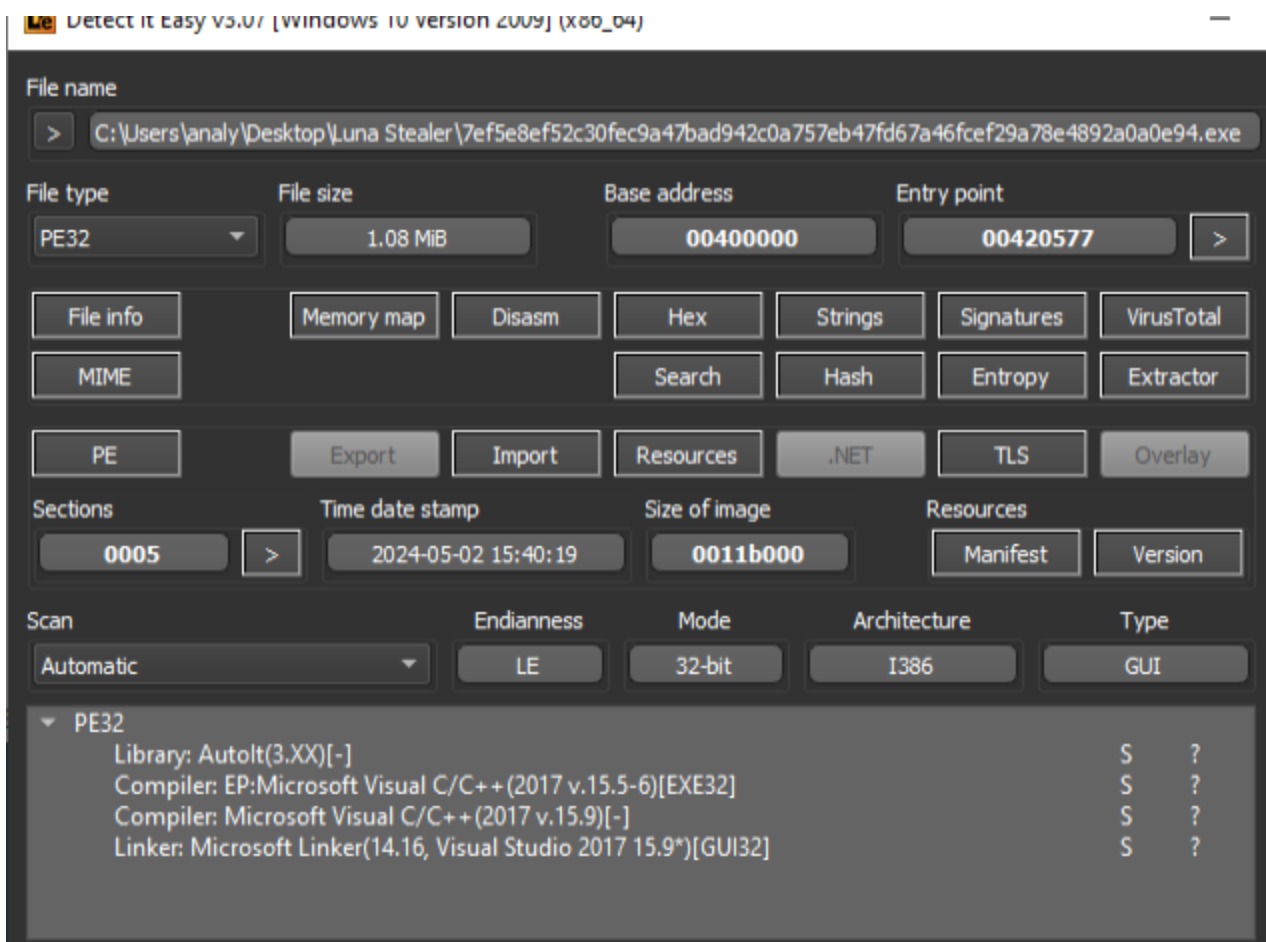
### Hashes:

<a href="#">file &gt; sha256</a>	<a href="#">7EF5E8EF52C30FEC9A47BAD942C0A757EB47FD67A46FCEF29A78E4892A0A0E94</a>
<a href="#">dos-stub &gt; sha256</a>	<a href="#">6356B11BC60A7A818B7465E357B34FFCA9E3B543135108E5BB46301FE88172CC</a>
<a href="#">dos-header &gt; sha256</a>	<a href="#">37520C0EF323977685FE0349D71E9D794E80A62F6F7209C1C7ADB43BA839ECE3</a>
<a href="#">rich-header &gt; sha256</a>	<a href="#">E8D3E8ADFE661BF6FB43E6F6EED8667E1E3BE5EAE1E5B280F7F18115CA2CB327</a>
<a href="#">section &gt; .text &gt; sha256</a>	<a href="#">1DF328D893FD19C2119C9A872FBC33E83B929B7119BEE88D15BD9FAE9D4246DD</a>
<a href="#">section &gt; .rdata &gt; sha256</a>	<a href="#">351B803807DFB852077C389B6B96198B5639A53F83045D190ABDF265DAB2C7A8</a>
<a href="#">section &gt; .data &gt; sha256</a>	<a href="#">3E7AC07BC2E03413763B49457AA252B016CC40394CEA187DA97BBD072C031F08</a>
<a href="#">section &gt; .rsrc &gt; sha256</a>	<a href="#">73F8CECCE6C4C6B485AFEFDE3F277ABEF730991A88186D8CA2C5F8575CBD4C0C</a>
<a href="#">section &gt; .reloc &gt; sha256</a>	<a href="#">92760FB78D9D6D312889C53B386DD9F87FA6CFE12841575D12972D831DEBB089</a>
<a href="#">resource &gt; Autolt &gt; sha256</a>	<a href="#">3427245161E48745C64095F434FA44A1D992C87A8D3C0B570C72C66EE35D7071</a>
<a href="#">version &gt; sha256</a>	<a href="#">7DEF7B83D5B1720629EF6C78AC87F329CCE9F1BED1CEF0C99D1B1CC63E5CD7EB</a>
<a href="#">manifest &gt; sha256</a>	<a href="#">1BD8139910A81485AADB0BB28586E233768486DE8C09F6A565AE457805702D39</a>
<a href="#">debug &gt; stream &gt; sha256</a>	<a href="#">FA52D83C4C75580B910E0B136737BFA8DD734FE10479F79128120F22733A087F</a>

Starting off, best thing to look at is the PE file information, using “Detect It Easy” and “Exeinfo PE” I was able to gain a good understanding of what exactly was contained within the executable.



We can see that this file is obviously embedded with a Autoit3 file, now I am not familiar with writing Autoit code but from what I understand it is a BASIC-like scripting language or automating windows tasks. To ensure that Exeinfo is giving the correct information I also ran it through DIE(Detect It Easy).

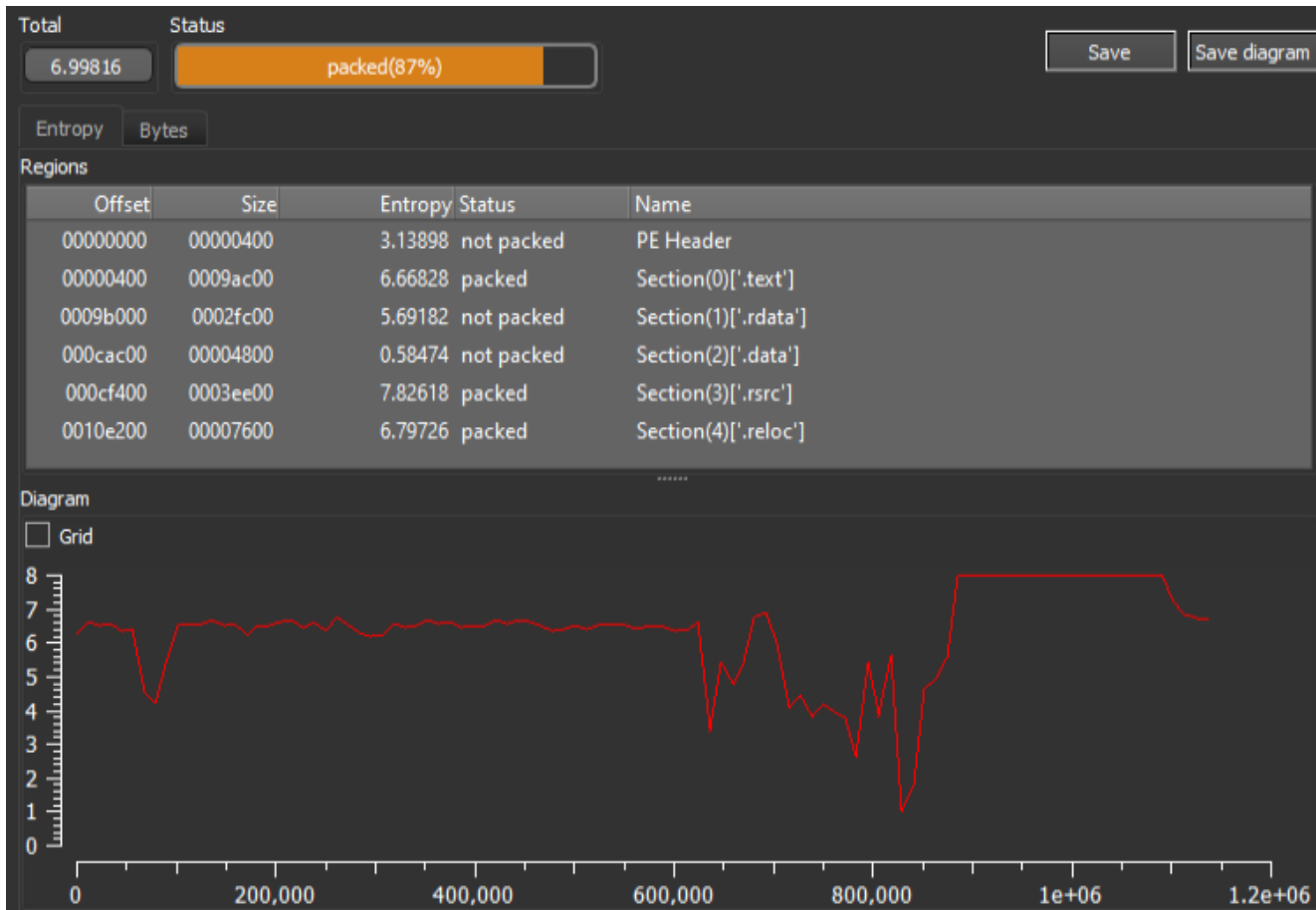


With another confirmation that it contains a Autoit script along with using the C++ compiler and Microsoft linker, we can assume that this executable is a loader of some sorts that prepares memory and loads the Autoit script into memory in order to be executed. We also

gain some value information such as the compiler time stamp, though this cannot be completely trusted we can assume that it was compiled recently. Also please ignore the “Luna Stealer” file name, it was a previous analysis and my file organization is terrible.

Time Date Stamp: 2024-05-02

After looking at the entropy of the file we can also see that mostly the .rsrc and .reloc of the PE sections are mainly packed, going off this and previous malware analysis we can assume that the Autoit script is contained within the .rsrc section and .reloc section of the PE file.



Using more one tool to get a better high level view of the PE file, I decided to throw it into PE Studio to gain a better understanding of if my assumptions were correct.

<a href="#">file &gt; embedded</a>	signature: Autolt, location: .rdata, offset: 0x000B0828, size: 0 bytes	+++++
<a href="#">virustotal &gt; score</a>	28/71	+++++
<a href="#">file &gt; embedded</a>	signature: Autolt, location: .rsrc, offset: 0x000D7810, size: 221890 bytes	+++++
<a href="#">groups &gt; API</a>	network   reconnaissance   administration   execution   security   synchr...	+++++
<a href="#">libraries &gt; flag</a>	Windows Socket 32-Bit Library (WSOCK32.dll)	+++++
<a href="#">libraries &gt; flag</a>	Windows Management Library (WINMM.dll)	+++++
<a href="#">libraries &gt; flag</a>	Multiple Provider Router Library (MPR.dll)	+++++
<a href="#">libraries &gt; flag</a>	Internet Extensions for Win32 Library (WININET.dll)	+++++
<a href="#">libraries &gt; flag</a>	Process Status Library (PSAPI.DLL)	+++++
<a href="#">libraries &gt; flag</a>	IP Helper API (IPHLPAPI.DLL)	+++++
<a href="#">mitre &gt; technique</a>	T1057   T1497   T1106   T1055   T1083   T1485   T1082   T1105   T1124   T100...	+++++

As you can see so far everything seems to be correct, the Autoit file is embedded within the resources section of the executable.

Running a quick VirusTotal scan also shows that it has been detected by 28/71 anti-viruses.

engine (71/71)	score (28/71)	date (dd.mm.yyyy)	age (day)
Antiy-AVL	-	02.05.2024	1
Arcabit	-	03.05.2024	0
Avast	-	02.05.2024	1
Avira	-	03.05.2024	0
Baidu	-	18.03.2019	1873
BitDefender	-	02.05.2024	1
BitDefenderTheta	Gen:NN.ZexaF.36804.fv0@aeGAS7hi	22.04.2024	11
Bkav	W32.AIDetectMalware	02.05.2024	1
CAT-QuickHeal	-	02.05.2024	1
CMC	-	01.05.2024	2
ClamAV	-	02.05.2024	1
CrowdStrike	-	26.10.2023	190
Cylance	unsafe	02.05.2024	1
Cynet	-	02.05.2024	1
DeepInstinct	MALICIOUS	02.05.2024	1
DrWeb	-	03.05.2024	0
ESET-NOD32	a variant of Win32/Injector.Autoit.FYO	02.05.2024	1
Elastic	malicious (high confidence)	01.05.2024	2
Emsisoft	-	03.05.2024	0
F-Secure	-	02.05.2024	1
FireEye	Generic.mg.0640fe8e51432d90	02.05.2024	1
Fortinet	Autolt/Injector.XQQTR	02.05.2024	1
GData	-	02.05.2024	1
Google	Detected	03.05.2024	0
Gridinsoft	-	02.05.2024	1
Ikarus	Win32.Outbreak	02.05.2024	1
Jiangmin	Trojan.Script.awbz	02.05.2024	1
K7AntiVirus	-	02.05.2024	1
K7GW	-	02.05.2024	1
Kaspersky	UDS:Trojan.Win32.Strab	02.05.2024	1
Kingsoft	malware.kb.a.833	06.09.2023	240
Lionic	Trojan.Win64.Injects.ts93	02.05.2024	1
MAX	-	03.05.2024	0
Malwarebytes	Backdoor.NetWiredRC.Autoit.Generic	02.05.2024	1
MaxSecure	Trojan.Malware.300983.susgen	02.05.2024	1
McAfee	-	02.05.2024	1
MicroWorld-eScan	-	02.05.2024	1
Microsoft	Trojan:Win32/AgentTesla!ml	02.05.2024	1
NANO-Antivirus	-	01.05.2024	2
Paloalto	generic.ml	03.05.2024	0
Panda	Trj/Genetic.gen	02.05.2024	1
Rising	Trojan.Injector/Autoit!1.F5AA (CLASSIC)	03.05.2024	0
SUPERAntiSpyware	-	02.05.2024	1
Sangfor	Virus.Win32.Save.a	30.04.2024	3
Skyhigh	BehavesLike.Win32.Injector.th	02.05.2024	1
Sophos	Mal/Generic-S	02.05.2024	1
Symantec	ML.Attribute.HighConfidence	02.05.2024	1
TACHYON	-	03.05.2024	0
Tencent	-	03.05.2024	0
Trapmine	-	23.02.2024	70
TrendMicro	-	02.05.2024	1
TrendMicro-HouseCall	-	02.05.2024	1
VBA32	BScope.Trojan.Script	02.05.2024	1
VIPRE	-	02.05.2024	1
Varist	W32/Autolt.XQ.gen!Eldorado	02.05.2024	1
ViRobot	-	02.05.2024	1
VirIT	Trojan.Win32.Autoit_Heur.A	02.05.2024	1

Webroot	-	03.05.2024	0
Xcitium	-	02.05.2024	1
Yandex	-	02.05.2024	1
Zillya	-	02.05.2024	1
ZoneAlarm	UDS:Trojan.Win32.Strab	03.05.2024	0

Next step was to look at the functions imported within the executable(loader), luckily since the file wasn't completely packed I didn't need to spend much time trying to unpack and deobfuscate it.

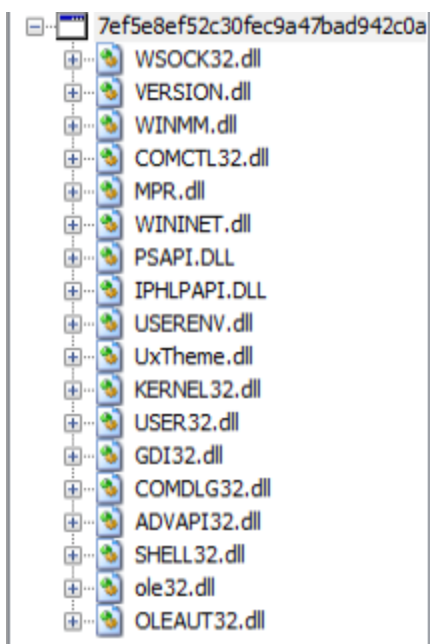
Some interesting function imports include: registry manipulation, access token manipulation(presumably for privilege escalation), process creation/discovery and manipulation, API execution, file and directory manipulation, anti debugger functions. Here is a list of some of them that seem to be important to the executable:

- DeleteFileW,x,0x000CA0BE,0x000CA0BE,214 (0x00D6),file,T1485 | Data Destruction,implicit,-,KERNEL32.dll
- InitializeSecurityDescriptor,-,0x000CB344,0x000CB344,375 (0x0177),security,T1134 | Access Token Manipulation,implicit,-,ADVAPI32.dll
- InitializeAcl,-,0x000CB364,0x000CB364,374 (0x0176),security,T1134 | Access Token Manipulation,implicit,-,ADVAPI32.dll
- AdjustTokenPrivileges,x,0x000CB374,0x000CB374,31 (0x001F),security,T1134 | Access Token Manipulation,implicit,-,ADVAPI32.dll
- OpenThreadToken,x,0x000CB38C,0x000CB38C,508 (0x01FC),security,T1134 | Access Token Manipulation,implicit,-,ADVAPI32.dll
- RegSetValueExW,x,0x000CB52A,0x000CB52A,638 (0x027E),registry,T1112 | Modify Registry,implicit,-,ADVAPI32.dll
- RegCreateKeyExW,x,0x000CB518,0x000CB518,569 (0x0239),registry,T1112 | Modify Registry,implicit,-,ADVAPI32.dll
- CreateProcessW,x,0x000CA5A4,0x000CA5A4,168 (0x00A8),execution,T1106 | Execution through API,implicit,-,KERNEL32.dll
- ShellExecuteW,x,0x000CB58C,0x000CB58C,290 (0x0122),execution,T1106 | Execution through API,implicit,-,SHELL32.dll
- LoadLibraryW,-,0x000CA1CE,0x000CA1CE,831 (0x033F),dynamic-library,T1106 | Execution through API,implicit,-,KERNEL32.dll
- MoveFileW,x,0x000CA0EA,0x000CA0EA,867 (0x0363),file,T1105 | Remote File Copy,implicit,-,KERNEL32.dll
- GetSystemDirectoryW,-,0x000CA51A,0x000CA51A,624 (0x0270),reconnaissance,T1083 | File and Directory Discovery,implicit,-,KERNEL32.dll
- GetWindowsDirectoryW,-,0x000CA55E,0x000CA55E,687 (0x02AF),reconnaissance,T1083 | File and Directory Discovery,implicit,-,KERNEL32.dll
- FindFirstFileW,x,0x000CA078,0x000CA078,313 (0x0139),file,T1083 | File and Directory Discovery,implicit,-,KERNEL32.dll

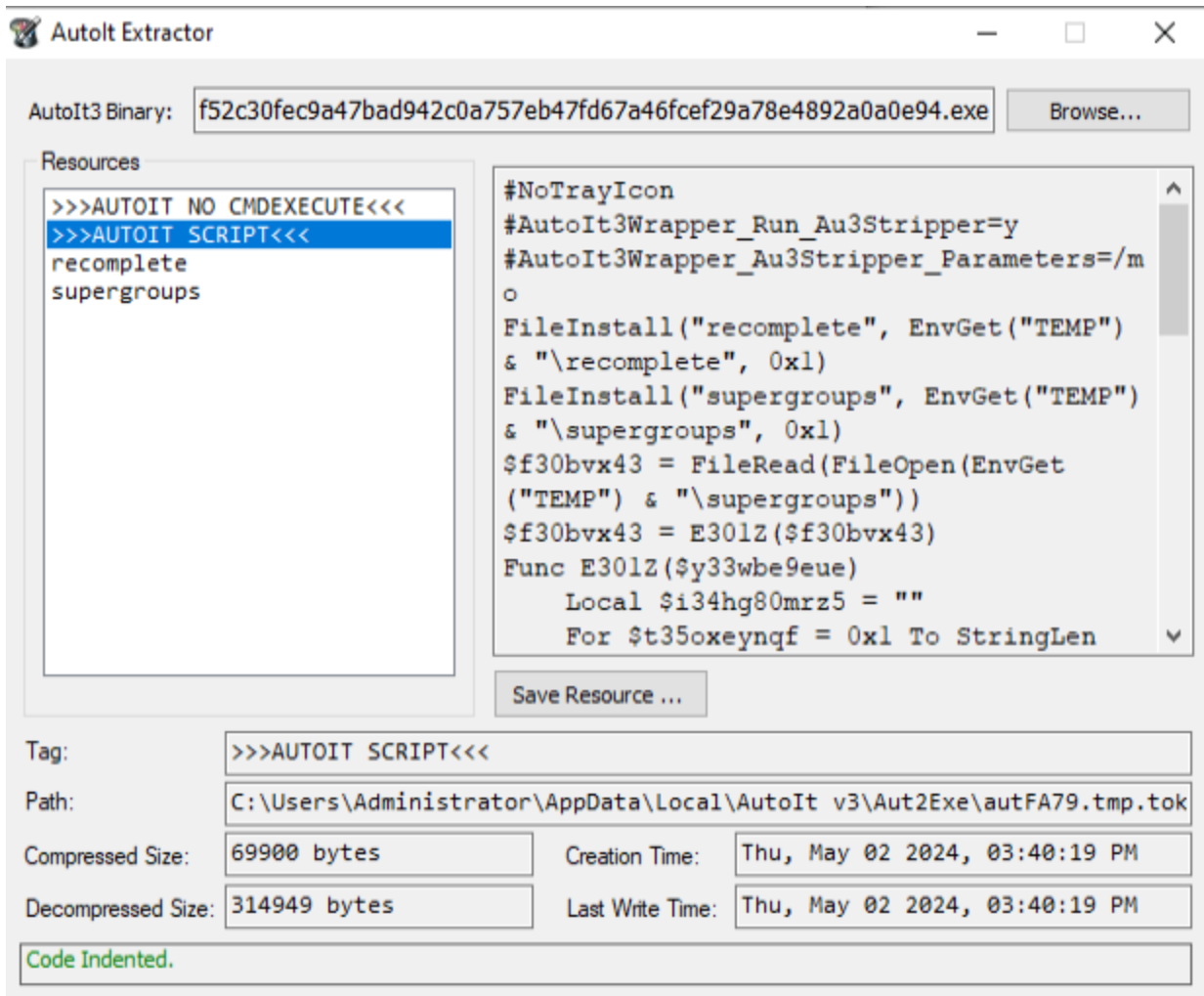
- IsDebuggerPresent,-,0x000C9D4E,0x000C9D4E,768 (0x0300),reconnaissance,T1082 | System Information Discovery,implicit,-,KERNEL32.dll
- VirtualAllocEx,x,0x000C9F66,0x000C9F66,1258 (0x04EA),memory,T1055 | Process Injection,implicit,-,KERNEL32.dll
- WriteProcessMemory,x,0x000C9F78,0x000C9F78,1326 (0x052E),memory,T1055 | Process Injection,implicit,-,KERNEL32.dll
- ReadProcessMemory,x,0x000C9F8E,0x000C9F8E,963 (0x03C3),memory,T1055 | Process Injection,implicit,-,KERNEL32.dll
- VirtualFree,-,0x000CA2A6,0x000CA2A6,1260 (0x04EC),memory,T1055 | Process Injection,implicit,-,KERNEL32.dll
- VirtualAlloc,x,0x000CA5DA,0x000CA5DA,1257 (0x04E9),memory,T1055 | Process Injection,implicit,-,KERNEL32.dll
- OpenProcess,x,0x000C9F58,0x000C9F58,896 (0x0380),execution,T1055 | Process Injection,implicit,-,KERNEL32.dll

We can see that this is definitely some form of loader just basing it off the functions, we can also assume that this program prepare the embedded file for execution and does some form of process hollowing and injection before it executes. Given this, the executable we might be looking for will probably not contain the same name as the executable.

Here is a list of the DLL's the executable has statically linked, we can see that it uses WSOCK32 and WININET for some form of communication. As well as containing KERNAL32 and USER32 for process and file manipulation, along with using AVDVAPI32 for presumably some form of privilege escalation.



My next steps were to try to extract the Autoit script, now I've used tools such as Exe2Aut before but sadly that came up with: "Either it's not an Autoit-Executable or it's protected". Luckily instead of having to attempt to dig through memory for the Autoit script I came across a great tool called "Autoit-Extractor", I am in no way vouching for this tool as being safe so definitely make sure you run it within a contained environment. Anyways here the link and a picture of what it came up with:



Link: <https://github.com/digitalsleuth/autoit-extractor>

The Autoit script was highly obfuscated and I was waaay to lazy to go through it and attempt piece together its complete functionality, instead I opted to just run the executable and see what it mainly does.

After using Ghidra to do some more advanced static analysis we can see that our presumptions about this loader is definitely correct as it includes functions to prepare the Autoit script and interact with it.

```

INVESTIGATE FURTHER!!!!!!!!!!!!!!!!!!!!!!
00402a70 e8 c2 03      CALL     PrepareAutoitScript             undefined PrepareAutoitScript(wc...
          00 00

```



Check To See Interaction

```
00402ab2 e8 2c 03 CALL AutoitScriptInteraction undefined4 AutoitScriptInteracti...
00 00
```

There also was privilege escalation contained within the binary, as you can see below. The function first checks to see if it has administrator rights, if not it'll proceed to attempt to escalate its privileges by creating a suspended process hallowing it out and then writing it's malicious code to that suspended state.

Privilege Check:

```
Change&CheckProcessPrivilege XREF[3]: RealMainFormbook:00442b98(c),
FUN_004611c8:004611e5(c),
FUN_0047f70e:0047f711(c)

00461663 55 PUSH EBP
00461664 8b ec MOV EBP,ESP
00461666 83 ec 10 SUB ESP,0x10
00461669 53 PUSH EBX
0046166a 33 db XOR EBX,EBX
0046166c 66 c7 45 MOV word ptr [EBP + local_10],0x500
f4 00 05
00461672 8d 45 f8 LEA EAX=>local_c,[EBP + -0x8]
00461675 89 5d f0 MOV dword ptr [EBP + local_14],EBX
00461678 50 PUSH EAX PSID * pSid for AllocateAndIniti...
00461679 53 PUSH EBX DWORD nSubAuthority7 for Allocat...
0046167a 53 PUSH EBX DWORD nSubAuthority6 for Allocat...
0046167b 53 PUSH EBX DWORD nSubAuthority5 for Allocat...
0046167c 53 PUSH EBX DWORD nSubAuthority4 for Allocat...
0046167d 53 PUSH EBX DWORD nSubAuthority3 for Allocat...
0046167e 53 PUSH EBX DWORD nSubAuthority2 for Allocat...
0046167f 68 20 02 PUSH 0x220 DWORD nSubAuthority1 for Allocat...
00 00
00461684 6a 20 PUSH 0x20 DWORD nSubAuthority0 for Allocat...
00461686 6a 02 PUSH 0x2 BYTE nSubAuthorityCount for Allo...
00461688 8d 45 f0 LEA EAX=>local_14,[EBP + -0x10]
0046168b 50 PUSH EAX PSID_IDENTIFIER_AUTHORITY pIdent...
0046168c ff 15 58 CALL dword ptr [->ADVAPI32.DLL::AllocateAndInitiali... = 000cb438
c0 49 00
00461692 89 45 fc MOV dword ptr [EBP + local_8],EAX
00461695 85 c0 TEST EAX,EAX
00461697 74 21 JZ LAB_004616ba
00461699 8d 45 fc LEA EAX=>local_8,[EBP + -0x4]
0046169c 50 PUSH EAX PBOOL IsMember for CheckTokenMem...
0046169d ff 75 f8 PUSH dword ptr [EBP + local_c] PSID SidToCheck for CheckTokenMe...
004616a0 53 PUSH EBX HANDLE TokenHandle for CheckToke...
004616a1 ff 15 5c CALL dword ptr [->ADVAPI32.DLL::CheckTokenMembership] = 000cb454
```

Process Creation:

```
,
if (((uVar2 != 0) && (iVar8 = LoadUserProfileW(local_c,local_68), iVar8 == 0)) ||
((param_4 & 4) == 0 && (iVar8 = CreateEnvironmentBlock(&FLAGGGG,local_c,0), iVar8 == 0))
|| (BVar6 = CreateProcessAsUserW
(local_c, (LPCWSTR)0x0,local_18, (LPSECURITY_ATTRIBUTES)0x0,
(LPSECURITY_ATTRIBUTES)0x0, (BOOL)param_3,param_7 | 0x400,FLAGGGG,
param_8,param_9,param_10), BVar6 == 0)) goto LAB_0046144f;
```

Process Injection:

```

0046b34e 8d 45 fc LEA EAX=>local_8,[EBP + -0x4]
0046b351 50 PUSH EAX LPDWORD lpdwProcessId for GetWin...
0046b352 ff 75 0c PUSH dword ptr [EBP + param_2] HWND hWnd for GetWindowThreadPro...
0046b355 ff 15 6c CALL dword ptr [->USER32.DLL::GetWindowThreadProces... = 000ca8ba
c6 49 00
0046b35b ff 75 fc PUSH dword ptr [EBP + local_8] DWORD dwProcessId for OpenProcess
0046b35e 6a 00 PUSH 0x0 BOOL bInheritHandle for OpenProc...
0046b360 68 38 04 PUSH 0x438 DWORD dwDesiredAccess for OpenPr...
00 00
0046b365 ff 15 c4 CALL dword ptr [->KERNEL32.DLL::OpenProcess] = 000c9f58
c1 49 00
0046b36b 6a 04 PUSH 0x4 DWORD flProtect for VirtualAllocEx
0046b36d 68 00 10 PUSH 0x1000 DWORD flAllocationType for Virtu...
00 00
0046b372 ff 75 08 PUSH dword ptr [EBP + param_1] SIZE_T dwSize for VirtualAllocEx
0046b375 89 04 f7 MOV dword ptr [EDI + ESI*0x8],EAX
0046b378 6a 00 PUSH 0x0 LPVOID lpAddress for VirtualAllo...
0046b37a 50 PUSH EAX HANDLE hProcess for VirtualAllocEx
0046b37b ff 15 c8 CALL dword ptr [->KERNEL32.DLL::VirtualAllocEx] = 000c9f66
c1 49 00

```

And finally the execution:

```

00442bfe 8d 44 24 3c LEA AutoitVar,[ESP + 0x3c]
00442c02 50 PUSH AutoitVar LPCWSTR lpDirectory for ShellExe...
00442c03 ff 74 24 20 PUSH dword ptr [ESP + 0x20] LPCWSTR lpParameters for ShellExe...
00442c07 ff 74 24 34 PUSH dword ptr [ESP + 0x34] LPCWSTR lpFile for ShellExecuteW
00442c0b 68 d0 59 PUSH u_runas_004c59d0 LPCWSTR lpOperation for ShellExe...
4c 00
00442c10 ff 15 40 CALL dword ptr [->USER32.DLL::GetForegroundWindow] = 000ca614
c7 49 00
00442c16 50 PUSH AutoitVar HWND hWnd for ShellExecuteW
00442c17 ff 15 d4 CALL dword ptr [->SHELL32.DLL::ShellExecuteW] = 000cb58c

```

Here is a breakdown of the main function within the malicious executable. We can clearly see that it checks for debuggers and privileges, along with preparing the Autoit script and injecting into a process in order to run the malicious code.

```

GetCurrentDirectoryW(0x7fff,lpBuffer);
        /* INVESTIGATE FURTHER!!!!!!!!!!!!!!!!!!!! */
PrepareAutoitScript(AutoItScript, (VARIANTARG **)&AutoitScriptReference);
        /* CHECK FOR DEBUGGER!!!!!!!!!!!!!!!!!!!! */
DebuggerCheck = IsDebuggerPresent();
if (DebuggerCheck != 0) {
        /* If debugger present
        */
        MessageBoxA((HWND)0x0,"This is a third-party compiled AutoIt script.",
                (LPCSTR)&lpCaption_004c5998,0x10);
        goto LAB_00402b71;
}
if (DAT_004d1400 == 0) {
        DAT_004d135c = 0xffffffff;
}
else {
        if (DAT_004d1400 == 1) {
                FUN_004075ac(&DAT_004d2390,1,DAT_004d1408,0xffffffff);
                DAT_004d2392 = DAT_004d1364;
        }
        else {
                /* Check To See Interaction
                */
                AutoitVar = AutoitScriptInteraction
                        (&DAT_004d2390,&lpFileName_004d1418,&DAT_004d1400,extraout_ECX,
                        &cStack_2002f);
                if ((char)AutoitVar == '\0') {
                        DAT_004d135c = 1;
                        goto LAB_00402b66;
                }
                DAT_004d1404 = DAT_004d2390;
                cStack_2002e = DAT_004d2391;
                GetFullPathNameW(lpFileName_004d1418,0x7fff,aWStack_10008,&pwStack_2002c);
                FUN_00406b57(&DAT_004d13f0,pwStack_2002c);
                cVar3 = cStack_2002f;
        }
}

```

```

iVar2 = FUN_00401cd0(&lpFileName_004d1418,DAT_004d1400);
if (iVar2 != 0) {
    FUN_00403dlb((undefined2 *)&DAT_004d2390);
    SetCurrentDirectoryW(lpBuffer);
    DAT_004d135c = 1;
    goto LAB_00402b71;
}
if (cStack_2002e == '\x01') {
    /* Check Privilege Interaction */
    bVar1 = CheckProcessPrivilege();
    if ((bVar1) || ((bool)AutoitScriptReference != bVar1)) goto LAB_00402b25;
    FUN_00403a5a(apWStack_20018);
    FUN_00409cb3(apWStack_20028,L"!");
    if (cVar3 == '\0') {
        FUN_004033c6(apWStack_20028,AutoItScript);
    }
    else {
        FUN_004033c6(apWStack_20028,L"\");
        FUN_00406350(apWStack_20028,&lpFileName_004d1418);
        FUN_004033c6(apWStack_20028,L"\");
    }
    /* Execute Autoit Script */
    nShowCmd = 1;
    lpDirectory = lpBuffer;
    lpOperation = L"runas";
    hwnd = GetForegroundWindow();
    ShellExecuteW(hwnd,lpOperation,apWStack_20018[0],apWStack_20028[0],lpDirectory,nShowCmd);
    FUN_0040988f(apWStack_20028);
}
else {
LAB_00402b25:
    /* Process Injection
    */
    SetupAutoitGUIWindow();
    InitAutoitGUIWindow();
    if (DAT_004d1404 == '\0') {
        FUN_00403837(&DAT_004d1990);
    }
    FUN_0040d760(&DAT_004d1430,1);
    if (DAT_004d1404 == '\0') {
        FUN_004030f2(0x4d1990);
    }
}
FUN_00403dlb((undefined2 *)&DAT_004d2390);
}
LAB_00402b66:
SetCurrentDirectoryW(lpBuffer);

```

---

Now, since I am quite lazy and I find dynamic analysis to be a lot easier and more honestly more fun I decided to skip straight to the dynamic analysis portion instead of attempting to completely statically analyze the executable.

## Dynamic analysis:

On first glance after running the executable I noticed within ProcessHacker it creates a process called "RegSvcs.exe" and injects its malicious code into there then terminates the parent process. The loader mainly seems to be checking for system information in order for the malicious code to work. It does things like check the internet settings using registry keys, queries system information and passes this to the real malicious process known as "RegSvcs.exe". Agent Tesla seems to attempt to hide itself as a .NET Services installation tool called "Regsvcs.exe" I am assuming it does this in order to attempt to bypass detection and blend in with the other processes. Since it is an installation tool I am assuming that it does this in order to better query file information and make changes to the system without detection. Using Procmon we can analyze how both the executables function within runtime.

Process	PID	Operation	Path	Result	Details
6445. ombook.exe	6048	RegOpenKey	HKLM\Software\Microsoft\Wow64\86	SUCCESS	Desired Access: Read
6445. ombook.exe	6048	RegQueryValue	HKLM\SOFTWARE\Microsoft\Wow64\86\ombook.exe	NAME NOT FOUND	Length: 520
6445. ombook.exe	6048	RegQueryValue	HKLM\SOFTWARE\Microsoft\Wow64\86\Default	SUCCESS	Type: REG_SZ, Length: 26, Data: wow64cpu.dll
6445. ombook.exe	6048	RegCloseKey	HKLM\SOFTWARE\Microsoft\Wow64\86	SUCCESS	
6445. ombook.exe	6048	Load Image	C:\Windows\System32\wow64cpu.dll	SUCCESS	Image Base: 0x77c30000, Image Size: 0xa000
6445. ombook.exe	6048	RegOpenKey	HKLM\System\CurrentControlSet\Control\Session Manager	REPARSE	Desired Access: Query Value
6445. ombook.exe	6048	RegOpenKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	Desired Access: Query Value
6445. ombook.exe	6048	RegSetInfoKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	KeySetInformationClass: KeySetHandleTagsInformation, Length: 0
6445. ombook.exe	6048	RegQueryValue	HKLM\System\CurrentControlSet\Control\Session Manager\RaiseExceptionOnPossibleDea	NAME NOT FOUND	Length: 80
6445. ombook.exe	6048	RegCloseKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	
6445. ombook.exe	6048	RegOpenKey	HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Segment Heap	REPARSE	Desired Access: Query Value
6445. ombook.exe	6048	RegOpenKey	HKLM\System\CurrentControlSet\Control\Session Manager\Segment Heap	NAME NOT FOUND	Desired Access: Query Value
6445. ombook.exe	6048	RegOpenKey	HKLM\SYSTEM\CurrentControlSet\Control\Session Manager	REPARSE	Desired Access: Query Value, Enumerate Sub Keys
6445. ombook.exe	6048	RegOpenKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	Desired Access: Query Value, Enumerate Sub Keys
6445. ombook.exe	6048	RegSetInfoKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	KeySetInformationClass: KeySetHandleTagsInformation, Length: 0
6445. ombook.exe	6048	RegQueryValue	HKLM\System\CurrentControlSet\Control\Session Manager\ResourcePolicies	NAME NOT FOUND	Length: 24
6445. ombook.exe	6048	RegCloseKey	HKLM\System\CurrentControlSet\Control\Session Manager	SUCCESS	

After the Agent Tesla executable does its thing collecting system information it is then terminated and spawns the Regsvcs process in order to actually perform the malicious code.

Regsvcs does things such as attempting to disable Windows Defender by messing with the MpOAV.dll commonly used by that application.

Process	PID	Operation	Path	Result	Details
6445. RegSvcs.exe	7350	CreateFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	Desired Access: Generic Read, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: N/A, ShareMode: Read, AllocationSize: n/a, OpenResult: Opened
6445. RegSvcs.exe	7350	QueryEFSFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	OBJECT NOT EXTERNALLY BACKED	Control: FSCTL_GET_EXTERNAL_BACKING
6445. RegSvcs.exe	7350	FileSystemControl	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	Control: FSCTL_QUERY_USER_JOURNAL
6445. RegSvcs.exe	7350	CloseFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	
6445. RegSvcs.exe	7350	CreateFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	Desired Access: Read Attributes, Disposition: Open, Options: Open Reparse Point, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenResult: Opened
6445. RegSvcs.exe	7350	QueryBasicInformationFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	CreateTime: 12/17/2019 2:09:13 AM, LastAccessTime: 5/4/2004 6:44:03 PM, LastWriteTime: 12/17/2019 2:09:13 AM, ChangeTime: 4/29/2004 11:19:13 AM, FileAttributes: A
6445. RegSvcs.exe	7350	CreateFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	
6445. RegSvcs.exe	7350	CreateFileMapping	C:\Program Files (x86)\Windows Defender\MpOAV.dll	FILE LOCKED WITH ONLY READERS	Desired Access: Read Data, Set Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, OpenResult: Opened
6445. RegSvcs.exe	7350	CloseFileMapping	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	SyncType: SyncTypeCreateSection, PageProtection: PAGE_EXECUTE_READWRITEPAGE_NOCACHE
6445. RegSvcs.exe	7350	Load Image	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	SyncType: SyncTypeOther
6445. RegSvcs.exe	7350	CreateFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	Image Base: 0x76500000, Image Size: 0x30000
6445. RegSvcs.exe	7350	CreateFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	SUCCESS	Desired Access: Read Control, Disposition: Open, Options: Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, OpenResult: Opened
6445. RegSvcs.exe	7350	QuerySecurityFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	BUFFER OVERFLOW	Information: Owner
6445. RegSvcs.exe	7350	CloseFile	C:\Program Files (x86)\Windows Defender\MpOAV.dll	STATUS_INVALID_HANDLE	

It also sets registry information for RASAPI32, I am assuming this is some sort of backdoor to the system as this is commonly used with remote connections to the system. Along with changing values for Winsock registry and using the winhttp.dll file we can definitely assume that this executable attempt to put a backdoor within the system. We can also notice that it looks for many VNC clients I am assuming this is either to steal network information of other computer within the infected network or it attempts to use these program in order to gain remote access.

Process	PID	Operation	Path	Result	Details
6445. RegSvcs.exe	7352	RegCreateKey	HKLM\Software\Wow6432Node\Microsoft\Tracing\RegSvcs_RASAPI32	SUCCESS	Desired Access: Read, Set Value, Disposition: REG_CREATED_NEW_KEY
6445. RegSvcs.exe	7352	RegSetInfoKey	HKLM\SOFTWARE\Wow6432Node\Microsoft\Tracing\RegSvcs_RASAPI32	SUCCESS	KeySetInformationClass: KeySetHandleTagsInformation, Length: 0
6445. RegSvcs.exe	7352	RegOpenKey	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock	REPARSE	Desired Access: Read
6445. RegSvcs.exe	7352	RegOpenKey	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock	SUCCESS	Desired Access: Read
6445. RegSvcs.exe	7352	RegSetInfoKey	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock	SUCCESS	KeySetInformationClass: KeySetHandleTagsInformation, Length: 0
6445. RegSvcs.exe	7352	RegQueryValue	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock\MinSockaddrLength	SUCCESS	Type: REG_DWORD, Length: 4, Data: 28
6445. RegSvcs.exe	7352	RegQueryValue	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock\MaxSockaddrLength	SUCCESS	Type: REG_DWORD, Length: 4, Data: 28
6445. RegSvcs.exe	7352	RegQueryValue	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock\UseDelayedAcceptance	SUCCESS	Type: REG_DWORD, Length: 4, Data: 0
6445. RegSvcs.exe	7352	RegCloseKey	HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Winsock	SUCCESS	

6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\Microsoft.NET\assembly\GAC_MSIL\System.v4.0.0.0_377956161094000009\winrt.dll	NAME NOT FOUND	Desired Access: Read Attributes, Disposition: Open, Options: Open, Recurse Parent, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Desired Access: Read Attributes, Disposition: Open, Options: Open, Recurse Parent, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenMode: Open
6.44.5	RegSvc.exe	7352	QueryBasicInformationFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	CreationTime: 4/27/2024 10:20:29 PM, LastAccessTime: 5/4/2024 6:44:43 PM, LastWriteTime: 4/27/2024 10:20:29 PM, ChangeTime: 4/26/2024 11:18:53 AM, FileAttributes: A
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Desired Access: Read Data, List Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: n/a, ShareMode: Read
6.44.5	RegSvc.exe	7352	CreateFileMapping	C:\Windows\System32\wbem\wbemntfs.dll	FILE LOCKED WITH ONLY READERS	SyncType: SyncTypeCreateSection, PageProtection: PAGE_EXECUTE_READWRITEPAGE_NOCACHE
6.44.5	RegSvc.exe	7352	LoadImage	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	SyncType: SyncTypeCreateSection
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Image Base: 0x70000000, Image Size: 0xca000
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Desired Access: Read Control, Disposition: Open, Options: , Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, OpenMode: Open
6.44.5	RegSvc.exe	7352	QuerySecurityFile	C:\Windows\System32\wbem\wbemntfs.dll	BUFFER OVERFLOW	Information: Owner
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Information: Owner
6.44.5	RegSvc.exe	7352	CreateFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	Owner: HandleName: HandleType: Full
6.44.5	RegSvc.exe	7352	OpenFile	C:\Windows\System32\wbem\wbemntfs.dll	SUCCESS	
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\SOFTWARE\Wow6432Node\RealVNC\RealVNC\WinVNC4	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\SOFTWARE\Wow6432Node\RealVNC\RealVNC\WinVNC4	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\SOFTWARE\Wow6432Node\RealVNC\vmcserver	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\SOFTWARE\RealVNC\vmcserver	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\SOFTWARE\Wow6432Node\RealVNC\WinVNC4	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\SOFTWARE\RealVNC\WinVNC4	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\ORL\WinVNC3	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\ORL\WinVNC3	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\TightVNC\Server	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\TightVNC\Server	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\TightVNC\Server	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\TightVNC\Server	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\TightVNC\Server	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\TightVNC\Server	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\TigerVNC\Server	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Query: Name
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\TigerVNC\Server	NAME NOT FOUND	Desired Access: Read
44.5	RegSvc.exe	7352	RegQueryKey	HKLM	SUCCESS	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	RegOpenKey	HKLM\Software\Wow6432Node\TigerVNC\Server	NAME NOT FOUND	Query: Name
44.5	RegSvc.exe	7352	RegQueryKey	HKCU	SUCCESS	Desired Access: Read
44.5	RegSvc.exe	7352	RegOpenKey	HKCU\Software\UltraVNC	NAME NOT FOUND	Query: Handle Tags, HandleTags: 0x0
44.5	RegSvc.exe	7352	CreateFile	C:\Program Files\360\360safe\bin\UltraVNC\ultravnc.ini	PATH NOT FOUND	Desired Access: Read Attributes, Disposition: Open, Options: Open, Recurse Parent, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a

Some other notable things to come out of procmon were the malicious executable use of cryptography features within the system. It uses things such as bcrypt.dll in hash passwords within the file or prevent traffic analysis. along with querying for a bunch of the systems passwords. It checks browsers passwords, such as firefox, google chrome, edge, brave and etc and creates user data for them. It also checks for Microsoft credentials, Office, Outlook, FTP, and VNC profiles, and of course Discord.

Going based off this information so far, I can tell that Agent Tesla seems to be more of information stealer.

I also used Regshot in order to gain a better understanding of what registry keys it manipulated. We can see that the program modifies and deletes a ton of registry keys and adds 27 of its own.

**C&compare** ✕

**Keys deleted: 20358**

**Keys added: 27**

**Values deleted: 23895**

**Values added: 93**

**Values modified: 74**

**Folders deleted: 0**

**Folders added: 0**

**Folders attributes changed: 0**

**Files deleted: 0**

**Files added: 0**

**Files [attributes?] modified: 0**

**Total changes: 44447**

**OK**

Using Regshot it deletes tons of driver configuration keys, most of them being within this category:

- HKLM\DRIVERS\DriverDatabase\DeviceIds\
- HKLM\DRIVERS\DriverDatabase\DeviceIds\
- HKLM\DRIVERS\DriverDatabase\DriverPackages\
- HKLM\DRIVERS\DriverDatabase\DriverFiles\
- HKLM\DRIVERS\DriverDatabase\DriverInfFiles\  
Configurations\BthMini.NT\Services\BTHPORT\Parameters\  
Parameters\
- HKLM\DRIVERS\DriverDatabase\DriverPackages\

It also adds 27 of it's own keys most likely related to remote connection, persistence, and some wireshark keys, which I am not to sure about that I am assuming this is why I received nothing in wireshark when I was trying to analyze it. Here are some of the most notable ones:

- HKLM\SOFTWARE\WOW6432Node\Microsoft\Tracing\RegSvcS\_RASAPI32
- HKLM\SOFTWARE\WOW6432Node\Microsoft\Tracing\RegSvcS\_RASMANC
- Creates these keys for remote acces
- HKU\DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\BitBucket
- HKU\DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\BitBucket\Volume
- HKU\DEFAULT\Software\Microsoft\Windows\CurrentVersion\Explorer\BitBucket\Volume\
- Seems to manipulate the Recycling bin?
- HKU\S-1-5-21-769274696-41944572-4139179709-1001\SOFTWARE\Wireshark
- HKU\S-1-5-21-769274696-41944572-4139179709-  
1001\SOFTWARE\Wireshark\WinSparkle Settings
- Seems to mess with the wireshark settings

The last and final step was to search through the running processes strings. This was mostly filled with computer system and file system information that it gathered but 3 lines stood out more than anything.

0x32a2b9c (46): mail.myhydropowered.com

0x32a2bd8 (52): [asksiri@myhydropowered.com](mailto:asksiri@myhydropowered.com)

0x32a2c48 (60): [superreport@myhydropowered.com](mailto:superreport@myhydropowered.com)

Now I could've gone further and attempted to reverse the running process but I am lazy it's the weekend and I am tired haha. So with that being that this is all an assumption but I am assuming it attempts to steal computer system and file information and then use SMTP or POP3 as it did contain those strings as well in order to send the passwords to the bad actors. After a quick google search of the website we can see that the domain is still up and running, it contains a virtualmin login screen which is primarily used for web hosting or in this case

email accounts. I am assuming that after Agent Tesla executes it attempts to send the stolen information to these emails. Running a urlscan on this website provides a nice screen shot of the infultrators domain. We can see that this domain is hosted in the US, and the bad actors use this website in some way with the Agent Tesla malware.

## myhydropowered.com

131.226.2.60 Public Scan

URL: <https://myhydropowered.com/>

Submission: On May 06 via manual (May 6th 2024, 12:01:23 am UTC) from - Scanned from

Summary
HTTP 6
Redirects
Links 11
Behaviour
Indicators
Similar
DOM
Content
API
Verdicts

### Summary

This website contacted **5 IPs** in **1 countries** across **4 domains** to perform **6 HTTP transactions**. The main IP is **131.226.2.60**, located in **United States** and belongs to **AS40676, US**. The main domain is **myhydropowered.com**.  
 TLS certificate: Issued by R3 on April 20th 2024. Valid for: 3 months.

This is the only time *myhydropowered.com* was scanned on urlscan.io!

urlscan.io Verdict: No classification

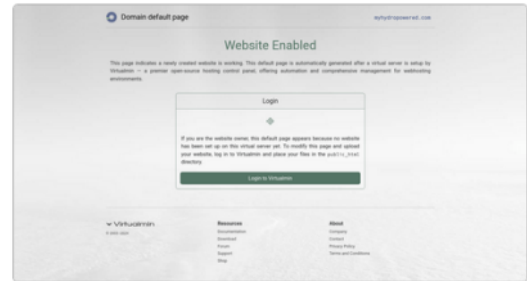
### Live information

Current DNS A record: 131.226.2.60 (AS40676 - AS40676, US)  
 Domain created: February 20th 2024, 07:23:53 (UTC)  
 Domain registrar: GMO INTERNET, INC.

### Domain & IP information

IP/ASNs	IP Detail	Domains	Domain Tree	Links	Certs	Frames
	<b>IP Address</b>					
1	131.226.2.60				40676 (AS40676)	
1	172.253.115.95				15169 (GOOGLE)	
1	151.101.129.229				54113 (FASTLY)	
3	172.253.62.94				15169 (GOOGLE)	
6		5				

### Screenshot



### Page Title

myhydropowered.com – Domain default page

### Detected technologies

- Bootstrap** (Web Frameworks) Expand
- Google Font API** (Font Scripts) Expand
- jsDelivr** (CDN) Expand

### Page Statistics

6	100 %	0 %	4	4
Requests	HTTPS	IPv6	Domains	Subdomains
5	1	130 kB	391 kB	0
IPs	Countries	Transfer	Size	Cookies

After running another urlscan on the login page we are redirected to a Webmin login portal. I am quite familiar with Webmin as I have used it many times in the past. I am assuming that their using this to host the emails that they send their stolen information to. We can see that this website was only created only a few months ago and based off the compiler time stamp we can tell that this virus is quite new to the ecosystem.



# 131.226.2.60

131.226.2.60 Public Scan

URL: <https://131.226.2.60:10000/>

Submission: On May 06 via manual (May 6th 2024, 12:00:47 am UTC) from - Scanned from

- Summary
- HTTP
- Redirects
- Behaviour
- Indicators
- Similar
- DOM
- Content
- API
- Verdicts

## Summary

This website contacted **2 IPs** in **1 countries** across **0 domains** to perform **9 HTTP transactions**. The main IP is **131.226.2.60**, located in **United States** and belongs to **AS40676, US**. The main domain is **131.226.2.60**.  
TLS certificate: Issued by **ns1.myhydropowered.com** on February 20th 2024. Valid for: 5 years.

This is the only time 131.226.2.60 was scanned on urlscan.io!

urlscan.io Verdict: **No classification**

### Live information

Google Safe Browsing: **No classification** for 131.226.2.60 (AS40676 - AS40676, US)

## Domain & IP information

IP/ASNs	IP Detail	Domains	Domain Tree	Links	Certs	Frames
	<b>IP Address</b>	<b>AS</b> Autonomous System				
9	131.226.2.60	40676 (AS40676)				
9	2					

## Screenshot

- Live screenshot
- Full Image



## Page Title

Login to Webmin

## Page Statistics

9	0%	0%	0	0
Requests	HTTPS	IPv6	Domains	Subdomains
2	1	293 kB	1086 kB	2
IPs	Countries	Transfer	Size	Cookies

I went ahead and sent the domain registrar an email of the suspected abuse so hopefully they are able to deal with it and take down the website, now I know this won't completely stop them but atleast if my assumptions are correct this will annoy them a little and that makes me a little bit happier knowing I hopefully ruined their day a little haha.

Anyways thank you to anyone who took the time to read this, if you have any questions or suggestions or spot any errors please let me know by sending me an email(which is located within the About section of the website). I am always looking for suggestions, corrections, and to learn so I am open to hearing any of your ideas. Also please know that I tried to use the words "assumption and assuming" as much as possible as that is all this is. Especially within the world of reverse engineering and malware analysis I can never be 100% certain. Hopefully some of my assumptions are correct, anyways thanks for reading.