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WANNACRY RANSOMWARE REPORT

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TABLE OF CONTENTS

Executive Summary	3
High-Level Technical Summary	4
Malware Composition	6
Static Analysis	7
Dynamic Analysis	12
Indicators of Compromise	21
Yara Rules	22
Contact Information	23

EXECUTIVE SUMMARY

SHA-256

24d004a104d4d54034dbcffc2a4b19a11f39008 a575aa614ea04703480b1022c

Wannacry is ransomware that utilized the EternalBlue exploit to propagate through the targets network and attacked outdated Windows computers globally in May of 2017. WannaCry was a multistage attack starting with a dropper that unpacked a payload onto the targets system under the right conditions. Once the files were encrypted, the threat actors demanded a ransom of \$300 worth of Bitcoin. If the ransom is not paid in a specified amount of time, the ransom is increased to \$600. This attack infected around 230,000 computers across 150 countries. Marcus Hutchins later discovered a kill switch that stalled the spread of the attack. Click here to view the full analysis report or visit the link below.

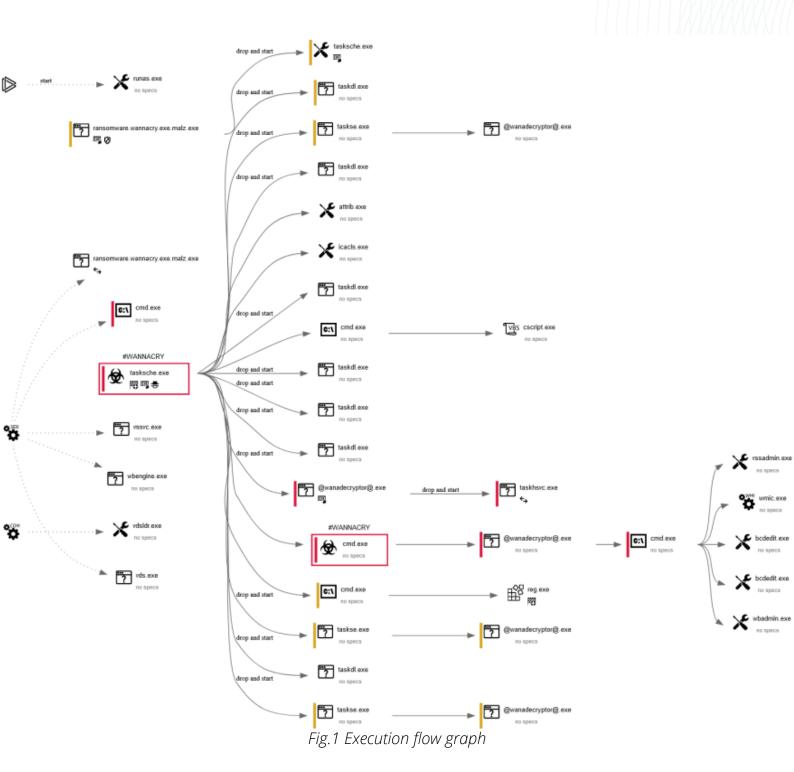
https://app.any.run/tasks/04098f9a-244d-453f-8d75-891e5631a135/

HIGH-LEVEL TECHNICAL SUMMARY

For the 12 months to December 1, 2025

WannaCry consist of 2 stages, the first stage being a dropper that tries to make contact with a suspicious URL that can be found in the strings hxxp[://]iuqerfsodp9ifjaposdfjhgosu rijfaewrwergwea[.]com if a connection is established the program exits, if a connection is not established the program proceeds with the rest of the execution. Once the program proceeds with execution a service is created by the program mssecsvc2.0 and has the display name Microsoft Security Center (2.0) Service. The service also contains a path to the executable <PATH_TO_WANNACRY>\wannacr y.exe -m security. During this stage the program will attempt to propagate by reaching out to a large range of IPv4 addresses.

Stage two the payload is unpacked from the dropper and proceeds to create persistence mechanisms such as creating a folder in the C:\ProgramData\ <GENERATED_STRING>\ directory and creating a file named tasksche.exe in the C:\Windows\ path and copying itself to the newly created directory. Once the file has been copied to the directory, a service is created and is named after the same generated string as the newly created folder and contains a path leading to the payload C:\ProgramData\ <GENERATED_STRING>\tasksche.e xe. After the service is created and the payload is executed the encryption process starts which changes the background image, drops instructions on how to decrypt the files and more in the generated directory.



MALWARE COMPOSITION

ITEM	Description	SHA-256
Ransomware.wannacry.exe	Initial file detonated	24d004a104d4d54034dbcffc2a4b 19a11f39008a575aa614ea047034 80b1022c
tasksche.exe	The payload unpacked from the dropper	ed01ebfbc9eb5bbea545af4d01bf5 f1071661840480439c6e5babe8e0 80e41aa
@WanaDecryptor@[.]exe	The GUI application that is executed by tasksche after all files have been encrypted and handles ransom payment	b9c5d4339809e0ad9a00d4d3dd2 6fdf44a32819a54abf846bb9b560 d81391c25
taskdl.exe	SQL Client Configuration Utility EXE	4a468603fdcb7a2eb5770705898cf9ef37a ade532a7964642ecd705a74794b79
taskhsvc.exe	Handles communication to TOR URL and other TOR activites	e48673680746fbe027e8982f62a8 3c298d6fb46ad9243de8e79b7e5a 24dcd4eb
taskse.exe	Waitfor - Wait/send a signal over a network	2ca2d550e603d74dedda03156023 135b38da3630cb014e3d00b12633 58c5f00d

Summary

Analyzing the strings reveals a suspicious URL, later on during the advanced static analysis phase, we can see that the URL is moved to the ESI register and later pushed to the stack as it is used as a parameter in the InternetOpenUrlA function. After the InternetOpenUrlA function has been called, the dropper checks to see if the connection to the URL was successful or not. If the connection succeeds the program exits, otherwise the program continues with execution as seen in (Fig.2). The original filename (Ihdfrgui.exe) of the dropper can be found in the "Version" tab of PE Studio (Fig. 3). Upon further inspection of the dropper, the date the executable was compiled was also spotted (Fig.4). Heading over to the "Imports" tab of PE Studio, we can see that the dropper utilizes a few network, cryptography, and services functions such as

- InternetOpenA
- InternetOpenUrlA
- CryptGenRandom
- CreateServiceA
- StartServiceCtrlDispatcherA
- connect
- socket

The full list of imports can be found in (Fig. 7). While inspecting the droppers' headers, an executable was spotted in the .rsrc header as shown in (Fig. 5).

While analyzing the dropper in Cutter, a reference to the payload (tasksche.exe) is seen being pushed to the stack along with the location the payload will be dropped which is the C:\Windows location (Fig.6). There is a reference to a file named "qeriuwjhrf" in the same location the payload will be dropped, upon further investigation there was no such file created (Fig.6). Bitcoin addresses were also found in the payload (Fig.8).

```
[0x00408140]
139: int main (int argc, char **argv, char **envp);
; var int32_t var_14h @ esp+0x28
; var int32_t var_8h @ esp+0x3c
; var int32_t var_41h @ esp+0x75
; var int32_t var_45h @ esp+0x79
; var int32_t var_49h @ esp+0x7d
, var int32_t var_49h @ esp+0x7d
 ; var int32_t var_4dh @ esp+0x85
; var int32_t var_51h @ esp+0x85
; var int32_t var_55h @ esp+0x89
; var int32_t var_6bh @ esp+0x8b
                esp, 0x50
                esi
                edi
                esi, str.http:__www.iugerfsodp9ifjaposdfjhgosurijfaewrwergwea.com; 0x4313d0 edi, [var_8h]
 lea
                movsd dword es:[edi], dword ptr [esi]
 movsb
                byte es:[edi], byte ptr [esi]
               dword [var_41h], eax
dword [var_45h], eax
dword [var_49h], eax
dword [var_4dh], eax
dword [var_51h], eax
word [var_55h], ax
 mov
 mov
                byte [var_6bh], al
dword [InternetOpenA]
 lea
                esi, dword [InternetCloseHandle]; 0x40a13c
                0x4081bc
                                  [0x004081a7]
                                                                                         [0x004081bc]
                                                   esi
                                                                                                          esi
                                                                                                          edi
                                   push
                                                                                          push
                                                                                                          esi
                                                                                                          edi
                                                   edi
                                                                                                                    eax
                                                   eax, eax
                                                                                                          esi
                                                   esi
                                                   esp, 0x50
```

FIG. 2 REFERENCE TO DNS QUERY URL STRING.

FileDescription	Microsoft® Disk Defragmenter
FileVersion	6.1.7601.17514 (win7sp1_rtm.101119-1850)
InternalName	lhdfrgui.exe
LegalCopyright	© Microsoft Corporation. All rights reserved.
OriginalFilename	lhdfrgui.exe
ProductName	Microsoft® Windows® Operating System
ProductVersion	6.1.7601.17514

FIG.3 ORIGINAL NAME OF DROPPER.

compiler-stamp	0x4CE78ECC	Sat Nov 20 09:03:08 2010 UTC			
	FIG.4 TIMESTAMP THE DROPPER WAS	COMPILED.			

	0	1	2	3	4	5	6	7	8	9	9 .	A	В	С	D	E	F
32090	A4	A0	66	00	во	03	00	00	E4	0	4 (00	00	00	00	00	00
320A0	01	00	52	00	4D	5A	90	00	03	0	0 (00	00	04	00	00	00
320B0	FF	FF	00	00	ве	00	00	00	00	0	0 (00	00	40	00	00	00
320C0	00	00	00	00	00	00	00	00	00	0	0 0	00	00	00	00	00	00
320D0	00	00	00	00	00	00	00	00	00	0	0 (00	00	00	00	00	00
320E0	F8	00	00	00	0E	1F	BA	0E	00) В	4 (09	CD	21	B8	01	40
320F0	CD	21	54	68	69	73	20	70	72	6	F (67	72	61	€D	20	63
32100	61	6E	6E	6F	74	20	62	65	20	7	2 1	75	EE.	20	69	61	20
32110	44	4E	53	20	6D	6F	64	65	21	0	D (0D	0A	24	00	00	00
32120	00	00	00	00	ΕO	C5	ЗA	Dl	A4	A	4 5	54	82	A4	A4	54	82
32130	A4	A4	54	82	DF	B8	58	82	A	A	4 5	54	82	СВ	BB	51	82
32140	A5	A4	54	82	27	B8	5A	82	A	A	4 8	54	82	CB	BB	51	82
32150	AF	A4	54	82	СВ	вв	50	82	A	A	4 5	54	82	67	AB	0.9	82
32160	A9	A4	54	82	A4	A4	55	82	07	A	4 5	54	82	92	82	51	82
32170	A3	A4	54	82	63	A2	52	82	AS	A	4 5	54	82	52	69	63	68
32180	A4	A4	54	82	00	00	00	00	00	0	0 (00	00	00	00	0.0	00
32190	00	00	00	00	00	00	00	00	00	0	0 0	00	00	50	45	00	00
321A0	4C	01	04	00	41	8F	E7	4C	00	0	0 0	00	00	00	00	00	00
321B0	ΕO	00	OF	01	0B	01	06	00	00	7	0 0	00	00	00	20	35	00

FIG.5 IMAGE OF EXECUTABLE IN THE .RSRC HEADER OF THE DROPPER.

```
str.WINDOWS
                                    ; 0x431364
push
        eax, [lpExistingFileName]
lea
                                    ; 0x431358 ; tasksche.exe payload
push
        eax
        esp, 0x10
add
        ecx, [lpNewFileName]
lea
        str.WINDOWS
                                   ; 0x431364
                                   ; 0x431344
        str.C:__s_qeriuwjhrf
        ecx
call
add
        esp, 0xc
        edx, [lpNewFileName]
lea
        eax, [lpExistingFileName]
lea
push
                                    ; 1 ; DWORD dwFlags
push
        edx
                                    ; LPCSTR lpNewFileName
                                    ; LPCSTR lpExistingFileName
push
        dword [MoveFileExA]
                                    ; 0x40a04c ; BOOL MoveFileExA(LPCSTR lpExistingFileName, LPCST...
call
push
        ebx
push
push
        ebx
push
        ebx
        ecx, [var_7ch]
lea
push
        0x40000000
push
        ecx
call
        dword [0x431458]
                                   ; CreateFileA
mov
        esi, eax
        esi, 0xffffffff
        0x407f08
                         [0x00407e54]
                                  eax, dword [var_10h_2]
                          mov
                          lea
                                  edx, [var_10h_2]
                                  ebx
                          push
                                  edx
                                  ebp
                          push
                                  eax
                                  esi
                          call
                                                              ; WriteFile
                                  dword [0x431460]
                                  esi
                                  dword [0x43144c]
```

FIG.6 REFERENCE TO PACKED PAYLOAD IN CUTTER.

Images

functions (91)	blacklist (29)	anonymous (13)	library (7)
GetCurrentThreadId	x	-	kernel32.dll
GetCurrentThread	x	-	kernel32.dll
MoveFileExA	x	-	kernel32.dll
<u>TerminateThread</u>	x	-	kernel32.dll
QueryPerformanceFrequency	x	-	kernel32.dll
<u>StartServiceCtrlDispatcherA</u>	x	-	advapi32.dll
ChangeServiceConfig2A	x	-	advapi32.dll
<u>CreateServiceA</u>	x	-	advapi32.dll
<u>CryptGenRandom</u>	x	-	advapi32.dll
<u>CryptAcquireContextA</u>	x	-	advapi32.dll
3 (closesocket)	x	х	ws2_32.dll
16 (recv)	x	х	ws2_32.dll
19 (send)	x	х	ws2_32.dll
8 (htonl)	x	х	ws2_32.dll
14 (ntohl)	x	х	ws2_32.dll
115 (WSAStartup)	x	х	ws2_32.dll
12 (inet ntoa)	x	х	ws2_32.dll
10 (ioctlsocket)	x	х	ws2_32.dll
18 (select)	x	х	ws2_32.dll
9 (htons)	x	х	ws2_32.dll
23 (socket)	x	х	ws2_32.dll
4 (connect)	x	х	ws2_32.dll
11 (inet addr)	x	х	ws2_32.dll
<u>GetAdaptersInfo</u>	x	-	iphlpapi.dll
<u>InternetOpenA</u>	x	-	wininet.dll
InternetOpenUrlA	x	-	wininet.dll
InternetCloseHandle	x	-	wininet.dll
rand	x	-	msvcrt.dll
<u>srand</u>	x	-	msvcrt.dll

FIG. 7 IMPORTS OF INTEREST IN THE DROPPER.

mov dword ptr ss:[ebp-C],tasksche.40F48 40F488:"13AM4VW2dhxYgXeQepoHkHSQuy6NgaEb94"
mov dword ptr ss:[ebp-8],tasksche.40F46 40F464:"12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw"
mov dword ptr ss:[ebp-4],tasksche.40F44 40F440:"115p7UMMngoj1pMvkpHijcRdfJNXj6LrLn"

FIG.8 BITCOIN ADDRESSES FOUND IN THE PAYLOAD

Summary

Once the dropper is executed as administrator, a DNS guery is made to the suspicious (hxxp[://]iuqerfsodp9ifjaposdfjhgosurijfaewrwer gwea[.]com) URL mentioned in (Fig.2). As stated in the static analysis section, if the dropper receives an HTTP 200 response, the program exits. If the program does not receive a response from the DNS query the program proceeds with the rest of the execution. We can see the dropper making the DNS query in Wireshark shown in (Fig. 9). After the DNS query the dropper proceeds and pushes two arguments to the stack <PATH_TO_WANNACRY> and -m security which are then passed as parameters to the CreateServiceA function. The strings mssecsvc2.0 and Microsoft Security Center (2.0) Service are also pushed to the stack in preparation for the creation of the service. The program proceeds to create a service named mssecsvc2.0 with the display name of Microsoft Security Center (2.0) Service as seen in (Fig. 10). After the service is created and executed, the dropper attempts to connect to a range of IPv4 addresses on port 445 (SMB) using the EternalBlue exploit (Fig. 11). As the dropper attempts to connect to the range of IPv4 addresses, the payload is being unpacked from the dropper and is executed (Fig. 12). The payload generates a string based on the hostname of the system and creates a folder named after the generated string in the C:\ProgramData directory.

After the creation of the directory, a copy of the payload is moved to the directory and executed along with attrib + h. to hide the current directory the payload was copied to along with *icacls . /grant Everyone:F /T /C /Q* to grant full permissions to the directory (Fig. 13). Along with the creation of the new directory, a service is also created with the same generated name as the directory which uses cmd to execute tasksche as a persistence mechanism (Fig. 14). Once the service is created, a registry key named WanaCryptOr and registry key value named wd is created with the key-value set to the newly created directory in C:\ProgramData\ <RANDOMLY_GENERATED_STRING> (Fig. 15). After the payload has been executed by cmd, the encryption process begins. An executable named WanaDecryptor@.exe is dropped along with various other files in the same directory as the payloads' execution and creates a shortcut to the @WanaDecryptor executable on the Desktop (Fig. 16). Lastly, the system background is changed and a GUI of the @WanaDecryptor@.exe executable is displayed (Fig. 17).

```
11.14.56.128
                                                 11.14.56.128
                                                                                    260 Destination unreachable (Host unreachable)
       4 7.764941
                         11.14.56.128
                                                 11.14.56.128
                                                                                     260 Destination unreachable (Host unreachable)
       5 11.765132
                         11.14.56.128
                                                 11.14.56.128
                                                                                    260 Destination unreachable (Host unreachable)
  Frame 4: 260 bytes on wire (2080 bits), 137 bytes captured (1096 bits) on interface \Device\NPF_{B5D36D2C-DDB0-45E8-A0E0-0AF805857B22}, id 0
 Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00:00)
> Internet Protocol Version 4, Src: 11.14.56.128, Dst: 11.14.56.128
> Internet Control Message Protocol
♥ Domain Name System (query)
     Transaction ID: 0x49d0
  > Flags: 0x0100 Standard query
    Questions: 1
     Answer RRs: 0
     Authority RRs: 0
     Additional RRs: 0

∨ Oueries

     > www.iuqerfsodp9ifjaposdfjhgosurijfaewrwergwea.com: type A, class IN
     00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00
     00 7b de 9e 00 00 80 01 00 00 0b 0e 38 80 0b 0e
38 80 03 01 4a 75 00 00 00 00 45 00 00 5f 2f 8e
                                                                  ··E··_/·
     00 00 80 11 00 00 0b 0e 38 80 0b 0e 38 81 e4 2b
     00 35 00 4b 87 79 49 d0
                              01 00 00 01 00 00 00 00
0050
0060
```

FIG.9 DROPPER MAKING DNS QUERY TO SUSPICIOUS URL.

```
| D0407C48 | 68 00777000 | Dush ransomware.wannacry.70F700 | A31330 | Dush ransomware.wannacry.70F700 | A31330 | Dush ransomware.wannacry.431330 | Dush ransomware.wannacry.431300 | Dush ransomware.wannacry.4313
```

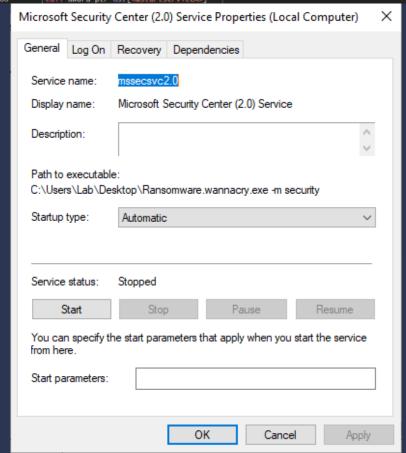


FIG. 10 DROPPER CREATES SERVICE AS A PERSISTENCE MECHANISM

118	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49892	169.254.140.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49893	169.254.141.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49894	169.254.142.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
П	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49896	169.254.143.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
1	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49897	169.254.144.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
11	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49898	169.254.145.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
10	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49900	169.254.146.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49901	169.254.147.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49904	169.254.148.1	445	4/9/2022 1:13:41 AM mssecsvc2.0
П	Ransomware.wannacr	3932	TCP	Syn Sent	169.254.185.116	49906	169.254.149.1	445	4/9/2022 1:13:42 AM mssecsvc2.0
100	Ransomware.wannacr	3932	TCP	Syn Sent	169,254,185,116	49908	169,254,150,1	445	4/9/2022 1:13:42 AM mssecsvc2.0

FIG. 11 SERVICE ATTEMPTS TO REACH OUT TO A RANGE OF IPV4.

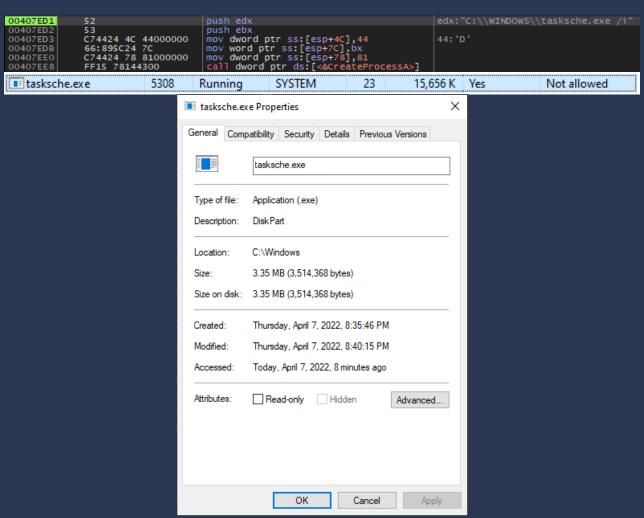


FIG.12 PAYLOAD IS UNPACKED FROM DROPPER.

Images

C:\ProgramData\jpsgpydlewafr611\jpsgpydlewafr611

C:\ProgramData\jpsgpydlewafr611\jpsgpydlewafr611

C:\Windows\tasksche.exe

C:\Windows\tasksche.exe

C:\ProgramData\jpsqpydlewafr611\tasksche.exe

```
[0x004020b4]
lea eax, [lpExistingFileName]
                                        ; LPCSTR lpPathName
call\ dword\ [SetCurrentDirectoryA]\ ;\ 0x4080d8\ ;\ BOOL\ SetCurrentDirectoryA(LPCSTR\ lpPathName)
                                        ; 1 ; uint32_t arg_8h
call fcn.004010fd
mov dword [esp], str.WNcry_2o17
                                        ; 0x40f52c ; int32_t arg_ch
push ebx
                                        ; HMODULE hModule
call fcn.00401dab
call fcn.00401e9e
push ebx
push ebx
push str.attrib__h_.
                                        ; 0x40f520 ; LPSTR lpCommandLine ; attrib +h . (Payload execut...
call fcn.00401064
push ebx
push ebx
push str.icacls...grant_Everyone:F__T__C_Q; 0x40f4fc; LPSTR lpCommandLine; icacls . /grant E...
call fcn_00401064 add esp. 0x40f4fc; LPSTR lpCommandLine; icacls . /grant Everyone:F /T /C /Q add esp. 0x40f4fc; LPSTR lpCommandLine; icacls . /grant Everyone:F /T /C /Q
call fcn.0040170a
test eax, eax
je 0x402165
```

FIG.13 PAYLOAD CREATES DIRECTORY BASED ON SYSTEM NAME AND ADDS HIDDEN ATTRIBUTE TO FOLDER AND GRANTS PERMISSIONS TO SAID DIRECTORY

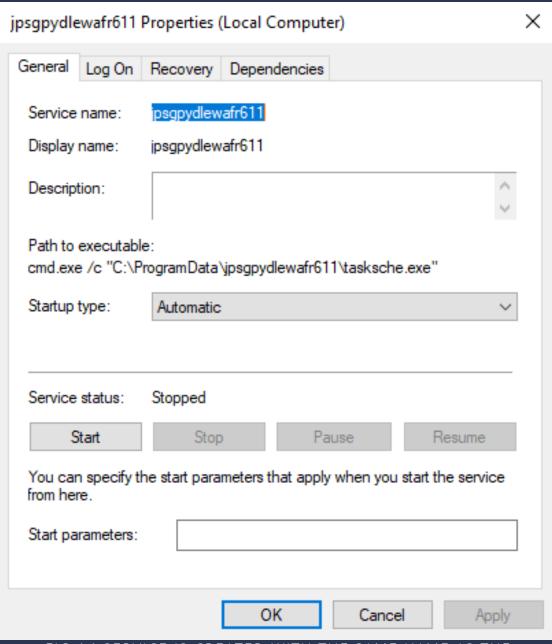


FIG.14 SERVICE IS CREATED WITH THE SAME NAME AS THE GENERATED STRING.

Images 12:46:... Itasksche.exe 3256 HKCU\Software\WanaCrypt0r RegCreateKey 12:46:... <a>tasksche.exe 3256 RegSetInfoKey HKCU\SOFTWARE\WanaCrypt0r 12:46:... Itasksche.exe 3256 RegQueryKey HKCU\SOFTWARE\WanaCrypt0r 12:46:... tasksche.exe 3256 RegSetValue HKCU\SOFTWARE\WanaCrypt0r\wd 12:46:... *******tasksche.exe 3256 RegCloseKey HKCU\SOFTWARE\WanaCrypt0r Computer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\WanaCrypt0r OEM Name Data Type OpenSSH ab (Default) REG SZ (value not set) Oracle ab wd REG SZ C:\ProgramData\jpsgpydlewafr611

FIG. 15 REGISTRY KEY CREATED BY PAYLOAD SERVICE.

Images

_			
msg msg	4/9/2022 6:31 PM	File folder	
@Please_Read_Me@.txt	4/9/2022 6:30 PM	Text Document	1 KB
🤝 @WanaDecryptor@.exe	5/12/2017 2:22 AM	Application	240 KB
🌃 @WanaDecryptor@.exe	4/9/2022 6:30 PM	Shortcut	1 KB
00000000.eky	4/9/2022 6:30 PM	EKY File	0 KB
00000000.pky	4/9/2022 6:30 PM	PKY File	1 KB
00000000.res	4/9/2022 6:38 PM	RES File	1 KB
b.wnry	5/11/2017 8:13 PM	WNRY File	1,407 KB
c.wnry	4/9/2022 6:30 PM	WNRY File	1 KB
f.wnry	4/9/2022 6:31 PM	WNRY File	1 KB
r.wnry	5/11/2017 3:59 PM	WNRY File	1 KB
s.wnry	5/9/2017 4:58 PM	WNRY File	2,968 KB
t.wnry	5/12/2017 2:22 AM	WNRY File	65 KB
■ taskdl.exe	5/12/2017 2:22 AM	Application	20 KB
■ tasksche.exe	4/9/2022 6:30 PM	Application	3,432 KB
taskse.exe	5/12/2017 2:22 AM	Application	20 KB
u.wnry	5/12/2017 2:22 AM	WNRY File	240 KB

FIG.16 FILES DROPPED FROM PAYLOAD AFTER ENCRYPTION PROCESS HAS BEGUN.

Images

Ooops, your important files are encrypted.

If you see this text, but don't see the "Wana DecryptOr" window, then your antivirus removed the decrypt software or you deleted it from your computer.

If you need your files you have to run the decrypt software.

Please find an application file named "@WanaDecryptor@.exe" in any folder or restore from the antivirus guarantine.

Run and follow the instructions!



FIG. 17 BACKGROUND CHANGED AND GUI APPLICATION
DISPLAYED

INDICATORS OF COMPROMISE

Network Indicators

- Dropper observed making DNS Query to a suspicious domain (Fig. 9).
 (hxxp[://]iuqerfsodp9ifjaposdfjhgosurijfaewr wergwea[.]com)
- Payload attempts to establish contact with a range of IPv4 addresses (Fig. 11).

INDICATORS OF COMPROMISE

Host-Based Indicators

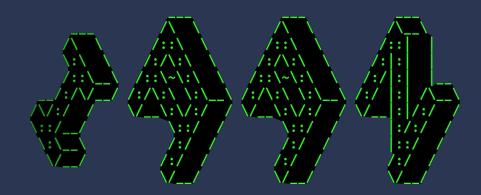
- Payload is unpacked onto the system in C:\Windows. (Note) During the debugging process, there was a mention of a file in the directory C:\Windows named qeriuwjhrf but the file was never created (Fig. 12).
- Creation of services mssecsvc2.0 (Fig. 10)
 and a service with a name randomly
 generated based on the system name
 (Fig. 14).
- Creation of registry key
 HKCU\SOFTWARE\WanaCrypt0r\wd
 (Fig. 15).
- Creation of files following the execution of the payload in the same directory as the execution. Along with files ending in the .WNCRY extension (Fig. 16).
- Background change and appearance of GUI application. (Fig. 17).

YARA RULES

```
rule wannacry_ruleset {
  meta:
  last_updated = "04-09-2022"
  author = "IAANSEC"
  description = "Yara rule to detect wannacry ransomware."
  hash256 = "24d004a104d4d54034dbcffc2a4b19a11f39008a575aa614ea04703480b1022c"
  strings:
    MZ_byte = MZ''
    $querydomain_killswitch = "iuqerfsodp9ifjaposdfjhgosurijfaewrwergwea" ascii
    $weird_windows_dir_str = "qeriuwjhrf" ascii
    $reg_name = "WanaCryptOr" ascii
    $service = "Microsoft Security Center (2.0) Service" ascii
    $payload = "tasksche" ascii
    $exe1 = "taskdl" ascii
    $exe2 = "taskse" ascii
    $import = "Crypt" ascii
    $str = "WNcry@2017" ascii
    $decrypt_exe = "@WanaDecryptor@.exe" ascii
    $wnry = "wnry" ascii
    $decrypt = "decrypt" ascii
    $bitcoin = "bitcoin" ascii
    $btc_wallet1 = "115p7UMMngoj1pMvkpHijcRdfJNXj6LrLn" fullword ascii
    $btc_wallet2 = "13AM4VW2dhxYgXeQepoHkHSQuy6NgaEb94" fullword ascii
    $btc_wallet3 = "12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw" fullword ascii
  condition:
    $MZ_byte at 0 and
    5 of them
}
```

CONTACT.





https://iaansec.com