

JoeSandbox Cloud BASIC



**ID:** 403758

**Sample Name:** 21a5f8d0000.dll

**Cookbook:** default.jbs

**Time:** 11:41:53

**Date:** 04/05/2021

**Version:** 32.0.0 Black Diamond

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# Analysis Report 21a5f8d0000.dll

## Overview

### General Information

Sample Name:

21a5f8d0000.dll

Analysis ID:

403758

MD5:

b8c176dc8ab0d7..

SHA1:

97826adb6aac63..

SHA256:

cc79e66b24bfca1..

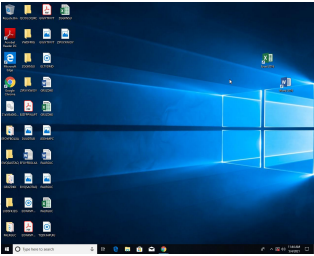
Tags:

Gozi

Infos:



Most interesting Screenshot:



### Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

Ursnif

Score:

60

Range:

0 - 100

Whitelisted:

false

Confidence:

100%

### Signatures

Antivirus / Scanner detection for sub...

Yara detected Ursnif

Machine Learning detection for samp...

Checks if Antivirus/Antispyware/Fire...

Checks if the current process is bein...

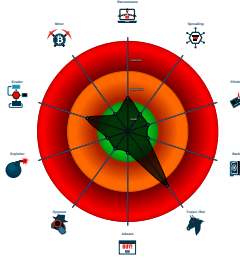
Creates a process in suspended mo...

PE file does not import any functions

Sample execution stops while proce...

Tries to load missing DLLs

### Classification



## Startup

System is w10x64

loaddll64.exe

(PID: 6304 cmdline: loaddll64.exe 'C:\Users\user\Desktop\21a5f8d0000.dll' MD5: A84133CCB118CF35D49A423CD836D0EF)

cmd.exe

(PID: 6312 cmdline: cmd.exe /C rundll32.exe 'C:\Users\user\Desktop\21a5f8d0000.dll',#1 MD5: 4E2ACF4F8A396486AB4268C94A6A245F)

rundll32.exe

(PID: 6336 cmdline: rundll32.exe 'C:\Users\user\Desktop\21a5f8d0000.dll',#1 MD5: 73C519F050C20580F8A62C849D49215A)

MpCmdRun.exe

(PID: 6588 cmdline: 'C:\Program Files\Windows Defender\mpcmdrun.exe' -wdenable MD5: A267555174BFA53844371226F482B86B)

conhost.exe

(PID: 6596 cmdline: C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 MD5: EA777DEEA782E8B4D7C7C33BBF8A4496)

rundll32.exe

(PID: 6324 cmdline: rundll32.exe C:\Users\user\Desktop\21a5f8d0000.dll,#1 MD5: 73C519F050C20580F8A62C849D49215A)

cleanup

## Malware Configuration

No configs have been found

## Yara Overview

### Initial Sample

| Source          | Rule               | Description          | Author       | Strings |
|-----------------|--------------------|----------------------|--------------|---------|
| 21a5f8d0000.dll | JoeSecurity_Ursnif | Yara detected Ursnif | Joe Security |         |

## Sigma Overview

No Sigma rule has matched

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## Signature Overview



- AV Detection
- Networking
- Key, Mouse, Clipboard, Microphone and Screen Capturing
- E-Banking Fraud
- System Summary
- Hooking and other Techniques for Hiding and Protection
- Malware Analysis System Evasion
- Anti Debugging
- HIPS / PFW / Operating System Protection Evasion
- Lowering of HIPS / PFW / Operating System Security Settings
- Stealing of Sensitive Information
- Remote Access Functionality

Click to jump to signature section

### AV Detection:



Antivirus / Scanner detection for submitted sample

Machine Learning detection for sample

### Key, Mouse, Clipboard, Microphone and Screen Capturing:



Yara detected Ursnif

### E-Banking Fraud:



Yara detected Ursnif

### Hooking and other Techniques for Hiding and Protection:



Yara detected Ursnif

### Stealing of Sensitive Information:



Yara detected Ursnif

### Remote Access Functionality:



Yara detected Ursnif

## Mitre Att&ck Matrix

| Initial Access   | Execution                            | Persistence                          | Privilege Escalation  | Defense Evasion                  | Credential Access     | Discovery                        | Lateral Movement        | Collection                | Exfiltration                           | Command and Control | Network Effects                         |
|------------------|--------------------------------------|--------------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-------------------------|---------------------------|----------------------------------------|---------------------|-----------------------------------------|
| Valid Accounts   | Windows Management Instrumentation 1 | DLL Side-Loading 1                   | Process Injection 1 1 | Virtualization/Sandbox Evasion 1 | OS Credential Dumping | Security Software Discovery 2 1  | Remote Services         | Data from Local System    | Exfiltration Over Other Network Medium | Data Obfuscation    | Eavesdrop o Insecure Network Communicat |
| Default Accounts | Scheduled Task/Job                   | Boot or Logon Initialization Scripts | DLL Side-Loading 1    | Rundll32 1                       | LSASS Memory          | Virtualization/Sandbox Evasion 1 | Remote Desktop Protocol | Data from Removable Media | Exfiltration Over Bluetooth            | Junk Data           | Exploit SS7 t Redirect Phc Calls/SMS    |





## Antivirus, Machine Learning and Genetic Malware Detection

### Initial Sample

| Source          | Detection | Scanner        | Label             | Link |
|-----------------|-----------|----------------|-------------------|------|
| 21a5f8d0000.dll | 100%      | Avira          | HEUR/AGEN.1108168 |      |
| 21a5f8d0000.dll | 100%      | Joe Sandbox ML |                   |      |

### Dropped Files

No Antivirus matches

### Unpacked PE Files

No Antivirus matches

### Domains

No Antivirus matches

### URLs

| Source                                   | Detection | Scanner         | Label | Link |
|------------------------------------------|-----------|-----------------|-------|------|
| http://https://file://USER.ID%lu.exe/upd | 0%        | Avira URL Cloud | safe  |      |
| http://constitution.org/usdeclar.txt     | 0%        | URL Reputation  | safe  |      |
| http://constitution.org/usdeclar.txt     | 0%        | URL Reputation  | safe  |      |

| Source                                                                                     | Detection | Scanner        | Label | Link |
|--------------------------------------------------------------------------------------------|-----------|----------------|-------|------|
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a>    | 0%        | URL Reputation | safe  |      |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a>    | 0%        | URL Reputation | safe  |      |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a> C: | 0%        | URL Reputation | safe  |      |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a> C: | 0%        | URL Reputation | safe  |      |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a> C: | 0%        | URL Reputation | safe  |      |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a> C: | 0%        | URL Reputation | safe  |      |

## Domains and IPs

### Contacted Domains

No contacted domains info

### URLs from Memory and Binaries

| Name                                                                                            | Source          | Malicious | Antivirus Detection                                                                                                                                              | Reputation |
|-------------------------------------------------------------------------------------------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <a href="http://https://file://USER.ID%lu.exe/upd">http://https://file://USER.ID%lu.exe/upd</a> | 21a5f8d0000.dll | false     | <ul style="list-style-type: none"> <li>Avira URL Cloud: safe</li> </ul>                                                                                          | low        |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a>         | 21a5f8d0000.dll | false     | <ul style="list-style-type: none"> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> </ul> | unknown    |
| <a href="http://constitution.org/usdeclar.txt">http://constitution.org/usdeclar.txt</a> C:      | 21a5f8d0000.dll | false     | <ul style="list-style-type: none"> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> </ul> | unknown    |

### Contacted IPs

No contacted IP infos

## General Information

|                                                    |                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Joe Sandbox Version:                               | 32.0.0 Black Diamond                                                                                                          |
| Analysis ID:                                       | 403758                                                                                                                        |
| Start date:                                        | 04.05.2021                                                                                                                    |
| Start time:                                        | 11:41:53                                                                                                                      |
| Joe Sandbox Product:                               | CloudBasic                                                                                                                    |
| Overall analysis duration:                         | 0h 5m 0s                                                                                                                      |
| Hypervisor based Inspection enabled:               | false                                                                                                                         |
| Report type:                                       | light                                                                                                                         |
| Sample file name:                                  | 21a5f8d0000.dll                                                                                                               |
| Cookbook file name:                                | default.jbs                                                                                                                   |
| Analysis system description:                       | Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211           |
| Number of analysed new started processes analysed: | 29                                                                                                                            |
| Number of new started drivers analysed:            | 0                                                                                                                             |
| Number of existing processes analysed:             | 0                                                                                                                             |
| Number of existing drivers analysed:               | 0                                                                                                                             |
| Number of injected processes analysed:             | 0                                                                                                                             |
| Technologies:                                      | <ul style="list-style-type: none"> <li>HCA enabled</li> <li>EGA enabled</li> <li>HDC enabled</li> <li>AMSI enabled</li> </ul> |
| Analysis Mode:                                     | default                                                                                                                       |
| Analysis stop reason:                              | Timeout                                                                                                                       |
| Detection:                                         | MAL                                                                                                                           |
| Classification:                                    | mal60.troj.winDLL@9/1@0/0                                                                                                     |
| EGA Information:                                   | Failed                                                                                                                        |
| HDC Information:                                   | Failed                                                                                                                        |



|                    |                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HCA Information:   | <ul style="list-style-type: none"><li>• Successful, ratio: 100%</li><li>• Number of executed functions: 0</li><li>• Number of non-executed functions: 0</li></ul> |
| Cookbook Comments: | <ul style="list-style-type: none"><li>• Adjust boot time</li><li>• Enable AMSI</li><li>• Found application associated with file extension: .dll</li></ul>         |

## Simulations

### Behavior and APIs

| Time     | Type            | Description                                      |
|----------|-----------------|--------------------------------------------------|
| 11:44:14 | API Interceptor | 1x Sleep call for process: MpCmdRun.exe modified |

## Joe Sandbox View / Context

### IPs

No context

### Domains

No context

### ASN

No context

### JA3 Fingerprints

No context

### Dropped Files

No context

## Created / dropped Files

| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log |                                                                                                                                |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Process:                                                                | C:\Program Files\Windows Defender\MpCmdRun.exe                                                                                 |
| File Type:                                                              | data                                                                                                                           |
| Category:                                                               | modified                                                                                                                       |
| Size (bytes):                                                           | 906                                                                                                                            |
| Entropy (8bit):                                                         | 3.1320890800881007                                                                                                             |
| Encrypted:                                                              | false                                                                                                                          |
| SSDEEP:                                                                 | 12:58KRBubdpkoF1AG3rPWKk9+MIWILehB4yAq7ejCMWH:OaqdmuF3rw+kWReH4yJ7M+                                                           |
| MD5:                                                                    | CE1CC265AB67E3C997C2BD8A51DE492A                                                                                               |
| SHA1:                                                                   | 90E8A24EC0C49E555721FDE5A4000E1FC5FC867E                                                                                       |
| SHA-256:                                                                | E907A66E7EFFA5A9D710327C455CA0B3DD561E0146EA6F0B9A33682AC8CA4173                                                               |
| SHA-512:                                                                | 384559B9381A90DB5729E2CE6B6D924D6E87C30991F4B7EAE92A6859D0D17C7D483733D3769F3220797381321D4DCE8210B4601DACF73FBDBCFBEC23335CAD |
| Malicious:                                                              | false                                                                                                                          |
| Reputation:                                                             | low                                                                                                                            |

C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Preview: | .....Mp.C.m.d.R.un.:. .C.o.m.m.a.n.d. .L.i.n.e.:. .<br>"C::\P.r.o.g.r.a.m. .F.i.l.e.s.\W.i.n.d.o.w.s. .D.e.f.e.n.d.e.r.\m.p.c.m.d.r.u.n...e.x.e". .-w.d.e.n.a.b.l.e..... .S.t.a.r.t. .T.i.m.e.:. .T.u.e. .M.a.y. .04. .2021. .11::44::14.....M.p.E.n.s.u.r.e.P.r.o.c.e.s.s.M.i.t.i.g.a.t.i.o.n.P.o.l.i.c.y.:. .h.r. =. .0.x.1.....W.D.E.n.a.b.l.e.....E.R.R.O.R.:. .M.p.W.D.E.n.a.b.l.e.(.T.R.U.E.) .f.a.i.l.e.d. (.8.0.0.7.0.4.E.C.).....Mp.C.m.d.R.un.:. .E.n.d. .T.i.m.e.:. .T.u.e. .M.a.y. .04. .2021. .11::44::14..... |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Static File Info

|                       |                                                                                                                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General               |                                                                                                                                                                                                                                                                                                                      |
| File type:            | MS-DOS executable                                                                                                                                                                                                                                                                                                    |
| Entropy (8bit):       | 6.331169087847959                                                                                                                                                                                                                                                                                                    |
| TrID:                 | <ul style="list-style-type: none"><li>Win64 Dynamic Link Library (generic) (102004/3) 84.88%</li><li>Win64 Executable (generic) (12005/4) 9.99%</li><li>DOS Executable Borland Pascal 7.0x (2037/25) 1.69%</li><li>Generic Win/DOS Executable (2004/3) 1.67%</li><li>DOS Executable Generic (2002/1) 1.67%</li></ul> |
| File name:            | 21a5f8d0000.dll                                                                                                                                                                                                                                                                                                      |
| File size:            | 223744                                                                                                                                                                                                                                                                                                               |
| MD5:                  | b8c176dc8ab0d768031014f95b8816e8                                                                                                                                                                                                                                                                                     |
| SHA1:                 | 97826adb6aac6340a74ca024a65065fa6fdb21ca                                                                                                                                                                                                                                                                             |
| SHA256:               | cc79e66b24bfca1cd0ef27c63921737786cdcae02f871279800ea2c82939721a                                                                                                                                                                                                                                                     |
| SHA512:               | 0e2f907a21f245784ea260c11b2eff428e892fc0c4b3594a0eac59cff12712989622767e4cc73be9af003ce5b2b496b3148119f1d7be35439e157aec53a2b44                                                                                                                                                                                      |
| SSDEEP:               | 3072:fWLHqJ4VtWYQUVpsPHQqdPFQ6l7Bz9DHzcUvNfxYPr9fGWg+Bm5kf7JDLm:4qO/rsPHN7Q6l7Bz9zhvNJYPrg1QNL                                                                                                                                                                                                                       |
| File Content Preview: | MZ.....<br>.....PE..d..                                                                                                                                                                                                                                                                                              |

File Icon

|                                                                                     |                  |
|-------------------------------------------------------------------------------------|------------------|
|  |                  |
| Icon Hash:                                                                          | 74f0e4ecccdce0e4 |

Static PE Info

|                             |                                            |
|-----------------------------|--------------------------------------------|
| General                     |                                            |
| Entrypoint:                 | 0x1800080e4                                |
| Entrypoint Section:         | .text                                      |
| Digitally signed:           | false                                      |
| Imagebase:                  | 0x180000000                                |
| Subsystem:                  | windows gui                                |
| Image File Characteristics: | EXECUTABLE_IMAGE, DLL, LARGE_ADDRESS_AWARE |
| DLL Characteristics:        |                                            |
| Time Stamp:                 | 0x60804A27 [Wed Apr 21 15:52:07 2021 UTC]  |
| TLS Callbacks:              |                                            |
| CLR (.Net) Version:         |                                            |
| OS Version Major:           | 4                                          |
| OS Version Minor:           | 0                                          |
| File Version Major:         | 4                                          |
| File Version Minor:         | 0                                          |
| Subsystem Version Major:    | 4                                          |
| Subsystem Version Minor:    | 0                                          |
| Import Hash:                |                                            |

Entrypoint Preview

|                                           |
|-------------------------------------------|
| <b>Instruction</b>                        |
| inc eax                                   |
| push ebx                                  |
| dec eax                                   |
| sub esp, 20h                              |
| test edx, edx                             |
| mov ebx, 00000001h                        |
| je 00007F9EF0987E76h                      |
| cmp edx, ebx                              |
| jne 00007F9EF0987E81h                     |
| mov eax, ebx                              |
| lock xadd dword ptr [0002B8AFh], eax      |
| add eax, ebx                              |
| cmp eax, ebx                              |
| jne 00007F9EF0987E71h                     |
| dec ecx                                   |
| mov edx, eax                              |
| call 00007F9EF099AC22h                    |
| test eax, eax                             |
| je 00007F9EF0987E65h                      |
| xor ebx, ebx                              |
| jmp 00007F9EF0987E61h                     |
| lock add dword ptr [0002B891h], FFFFFFFFh |
| jne 00007F9EF0987E57h                     |
| call 00007F9EF0999CE3h                    |
| mov eax, ebx                              |
| dec eax                                   |
| add esp, 20h                              |
| pop ebx                                   |
| ret                                       |
| int3                                      |
| int3                                      |
| dec eax                                   |
| mov dword ptr [esp+08h], ebx              |
| dec eax                                   |
| mov dword ptr [esp+10h], ebp              |
| dec eax                                   |
| mov dword ptr [esp+18h], esi              |
| push edi                                  |
| dec eax                                   |
| sub esp, 20h                              |
| cmp dword ptr [0002BE31h], 00000000h      |
| inc ecx                                   |
| mov ebx, ecx                              |
| dec ecx                                   |
| mov esi, eax                              |
| dec eax                                   |
| mov eax, edx                              |
| je 00007F9EF0987EF3h                      |
| xor edx, edx                              |
| dec eax                                   |
| mov ecx, eax                              |
| call 00007F9EF0982475h                    |
| dec eax                                   |
| mov ecx, dword ptr [0002B83Dh]            |
| dec esp                                   |
| lea eax, dword ptr [ebx+01h]              |
| xor edx, edx                              |
| dec eax                                   |
| mov ebp, eax                              |
| call dword ptr [00024F26h]                |
| dec eax                                   |
| test eax, eax                             |
| dec eax                                   |
| mov edi, eax                              |

|                                     |
|-------------------------------------|
| <b>Instruction</b>                  |
| je 00007F9EF0987EC7h                |
| dec esp                             |
| mov eax, ebx                        |
| dec eax                             |
| mov edx, esi                        |
| dec eax                             |
| mov ecx, eax                        |
| call 00007F9EF099F36Bh              |
| dec eax                             |
| lea ecx, dword ptr [0002BDB9h]      |
| mov byte ptr [ebx+edi], 00000000h   |
| call dword ptr [0002504Fh]          |
| lock add dword ptr [0002BDCFh], 01h |
| dec eax                             |
| lea ecx, dword ptr [00000000h]      |

Data Directories

| Name                                 | Virtual Address | Virtual Size | Is in Section |
|--------------------------------------|-----------------|--------------|---------------|
| IMAGE_DIRECTORY_ENTRY_EXPORT         | 0x31b10         | 0x38         | .rdata        |
| IMAGE_DIRECTORY_ENTRY_IMPORT         | 0x30a20         | 0x3c         | .rdata        |
| IMAGE_DIRECTORY_ENTRY_RESOURCE       | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_EXCEPTION      | 0x34000         | 0x17ac       | .pdata        |
| IMAGE_DIRECTORY_ENTRY_SECURITY       | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_BASERELOC      | 0x39000         | 0x344        | .reloc        |
| IMAGE_DIRECTORY_ENTRY_DEBUG          | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_COPYRIGHT      | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_GLOBALPTR      | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_TLS            | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_LOAD_CONFIG    | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_BOUND_IMPORT   | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_IAT            | 0x2d000         | 0x530        | .rdata        |
| IMAGE_DIRECTORY_ENTRY_DELAY_IMPORT   | 0x2eda4         | 0x1e0        | .rdata        |
| IMAGE_DIRECTORY_ENTRY_COM_DESCRIPTOR | 0x0             | 0x0          |               |
| IMAGE_DIRECTORY_ENTRY_RESERVED       | 0x0             | 0x0          |               |

Sections

| Name   | Virtual Address | Virtual Size | Raw Size | Xored PE | ZLIB Complexity | File Type | Entropy       | Characteristics                                                         |
|--------|-----------------|--------------|----------|----------|-----------------|-----------|---------------|-------------------------------------------------------------------------|
| .text  | 0x1000          | 0x2ba46      | 0x2bc00  | False    | 0.568303571429  | data      | 6.33861296477 | IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ           |
| .rdata | 0x2d000         | 0x4b48       | 0x4c00   | False    | 0.403114720395  | data      | 5.25264814147 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ                      |
| .data  | 0x32000         | 0x1f88       | 0x1a00   | False    | 0.307992788462  | lif file  | 3.73553845524 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ |
| .pdata | 0x34000         | 0x17ac       | 0x1800   | False    | 0.53857421875   | data      | 5.30366145469 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ                      |
| .bss   | 0x36000         | 0x2148       | 0x2200   | False    | 0.427504595588  | data      | 4.96451183531 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ |
| .reloc | 0x39000         | 0x1000       | 0xa00    | False    | 0.458984375     | data      | 4.2959680462  | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ                      |

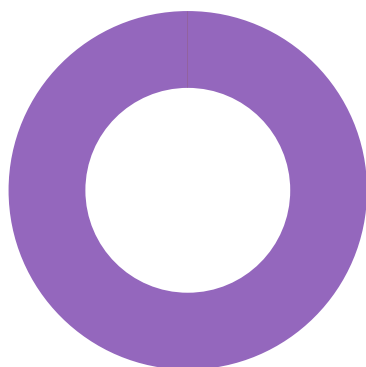
Network Behavior

No network behavior found

Code Manipulations

## Statistics

## Behavior



- loaddll64.exe
- cmd.exe
- rundll32.exe
- rundll32.exe
- MpCmdRun.exe
- conhost.exe

Click to jump to process

## System Behavior

Analysis Process: loaddll64.exe PID: 6304 Parent PID: 5688

### General

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Start time:                   | 11:42:45                                              |
| Start date:                   | 04/05/2021                                            |
| Path:                         | C:\Windows\System32\loaddll64.exe                     |
| Wow64 process (32bit):        | false                                                 |
| Commandline:                  | loaddll64.exe 'C:\Users\user\Desktop\21a5f8d0000.dll' |
| Imagebase:                    | 0x7ff69d4e0000                                        |
| File size:                    | 140288 bytes                                          |
| MD5 hash:                     | A84133CCB118CF35D49A423CD836D0EF                      |
| Has elevated privileges:      | true                                                  |
| Has administrator privileges: | true                                                  |
| Programmed in:                | C, C++ or other language                              |
| Reputation:                   | moderate                                              |

### File Activities

| File Path | Access | Attributes | Options | Completion | Count | Source Address | Symbol |
|-----------|--------|------------|---------|------------|-------|----------------|--------|
|-----------|--------|------------|---------|------------|-------|----------------|--------|

Analysis Process: cmd.exe PID: 6312 Parent PID: 6304

### General

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Start time:            | 11:42:45                                                           |
| Start date:            | 04/05/2021                                                         |
| Path:                  | C:\Windows\System32\cmd.exe                                        |
| Wow64 process (32bit): | false                                                              |
| Commandline:           | cmd.exe /C rundll32.exe 'C:\Users\user\Desktop\21a5f8d0000.dll',#1 |
| Imagebase:             | 0x7ff7eef80000                                                     |
| File size:             | 273920 bytes                                                       |
| MD5 hash:              | 4E2ACF4F8A396486AB4268C94A6A245F                                   |

|                               |                          |
|-------------------------------|--------------------------|
| Has elevated privileges:      | true                     |
| Has administrator privileges: | true                     |
| Programmed in:                | C, C++ or other language |
| Reputation:                   | high                     |

File Activities

| File Path | Access | Attributes | Options | Completion | Count | Source Address | Symbol |
|-----------|--------|------------|---------|------------|-------|----------------|--------|
|-----------|--------|------------|---------|------------|-------|----------------|--------|

Analysis Process: rundll32.exe PID: 6324 Parent PID: 6304

General

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Start time:                   | 11:42:45                                              |
| Start date:                   | 04/05/2021                                            |
| Path:                         | C:\Windows\System32\rundll32.exe                      |
| Wow64 process (32bit):        | false                                                 |
| Commandline:                  | rundll32.exe C:\Users\user\Desktop\21a5f8d0000.dll,#1 |
| Imagebase:                    | 0x7ff6c6b80000                                        |
| File size:                    | 69632 bytes                                           |
| MD5 hash:                     | 73C519F050C20580F8A62C849D49215A                      |
| Has elevated privileges:      | true                                                  |
| Has administrator privileges: | true                                                  |
| Programmed in:                | C, C++ or other language                              |
| Reputation:                   | high                                                  |

File Activities

| File Path | Offset | Length | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|------------|-------|----------------|--------|
|-----------|--------|--------|------------|-------|----------------|--------|

Analysis Process: rundll32.exe PID: 6336 Parent PID: 6312

General

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Start time:                   | 11:42:45                                                |
| Start date:                   | 04/05/2021                                              |
| Path:                         | C:\Windows\System32\rundll32.exe                        |
| Wow64 process (32bit):        | false                                                   |
| Commandline:                  | rundll32.exe 'C:\Users\user\Desktop\21a5f8d0000.dll',#1 |
| Imagebase:                    | 0x7ff6c6b80000                                          |
| File size:                    | 69632 bytes                                             |
| MD5 hash:                     | 73C519F050C20580F8A62C849D49215A                        |
| Has elevated privileges:      | true                                                    |
| Has administrator privileges: | true                                                    |
| Programmed in:                | C, C++ or other language                                |
| Reputation:                   | high                                                    |

File Activities

| File Path | Offset | Length | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|------------|-------|----------------|--------|
|-----------|--------|--------|------------|-------|----------------|--------|

Analysis Process: MpCmdRun.exe PID: 6588 Parent PID: 6312

General

|             |          |
|-------------|----------|
| Start time: | 11:44:13 |
|-------------|----------|



| File Path                                                               | Offset  | Length | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ascii                                                                                                                                                                                                                                                                               | Completion      | Count | Source Address | Symbol    |
|-------------------------------------------------------------------------|---------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|----------------|-----------|
| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log | unknown | 258    | 4d 00 70 00 43 00 6d<br>00 64 00 52 00 75 00<br>6e 00 3a 00 20 00 43<br>00 6f 00 6d 00 6d 00<br>61 00 6e 00 64 00 20<br>00 4c 00 69 00 6e 00<br>65 00 3a 00 20 00 22<br>00 43 00 3a 00 5c 00<br>50 00 72 00 6f 00 67<br>00 72 00 61 00 6d 00<br>20 00 46 00 69 00 6c<br>00 65 00 73 00 5c 00<br>57 00 69 00 6e 00 64<br>00 6f 00 77 00 73 00<br>20 00 44 00 65 00 66<br>00 65 00 6e 00 64 00<br>65 00 72 00 5c 00 6d<br>00 70 00 63 00 6d 00<br>64 00 72 00 75 00 6e<br>00 2e 00 65 00 78 00<br>65 00 22 00 20 00 2d<br>00 77 00 64 00 65 00<br>6e 00 61 00 62 00 6c<br>00 65 00 0d 00 0a 00<br>20 00 53 00 74 00 61<br>00 72 00 74 00 20 00<br>54 00 69 00 6d 00 65<br>00 3a 00 20 00 0e 20<br>54 00 75 00 65 00 20<br>00 0e 20 4d 00 61 00<br>79 00 20 00 0e 20 30<br>00 34 00 20 00 0e 20<br>32 00 30 00 32 00 31<br>00 20 00 31 00 31 00<br>3a 00 34 00 34 00 3a<br>00 31 00 34 00 0d 00<br>0a 00 0d | M.p.C.m.d.R.u.n.:.<br>.C.o.m.m.a.n.d. .L.i.n.e.:.<br>".C.:.\P.r.o.g.r.a.m.<br>.F.i.l.e.s.\W.i.n.d.o.w.s.<br>.D.e.f.e.n.d.e.r.\m.<br>p.c.m.d.r.u.n...e.x.e". .-w.<br>d.e.n.a.b.l.e..... .S.t.a.r.t.<br>.T.i.m.e.:. . T.u.e. . M.a.y.<br>.. 0.4. .. 2.0.2.1. .1.1.:<br>4.4.:.1.4..... | success or wait | 1     | 7FF6CF3CBC96   | WriteFile |
| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log | unknown | 86     | 4d 00 70 00 45 00 6e<br>00 73 00 75 00 72 00<br>65 00 50 00 72 00 6f<br>00 63 00 65 00 73 00<br>73 00 4d 00 69 00 74<br>00 69 00 67 00 61 00<br>74 00 69 00 6f 00 6e<br>00 50 00 6f 00 6c 00<br>69 00 63 00 79 00 3a<br>00 20 00 68 00 72 00<br>20 00 3d 00 20 00 30<br>00 78 00 31 00 0d 00<br>0a 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M.p.E.n.s.u.r.e.P.r.o.c.e.s.<br>s.M.i.t.i.g.a.t.i.o.n.P.o.l.i.c.<br>y:.. .h.r. .=. .0.x.1.....                                                                                                                                                                                      | success or wait | 1     | 7FF6CF3CBC96   | WriteFile |
| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log | unknown | 20     | 57 00 44 00 45 00 6e<br>00 61 00 62 00 6c 00<br>65 00 0d 00 0a 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | W.D.E.n.a.b.l.e.....                                                                                                                                                                                                                                                                | success or wait | 1     | 7FF6CF3CBC96   | WriteFile |
| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log | unknown | 86     | 45 00 52 00 52 00 4f<br>00 52 00 3a 00 20 00<br>4d 00 70 00 57 00 44<br>00 45 00 6e 00 61 00<br>62 00 6c 00 65 00 28<br>00 54 00 52 00 55 00<br>45 00 29 00 20 00 66<br>00 61 00 69 00 6c 00<br>65 00 64 00 20 00 28<br>00 38 00 30 00 30 00<br>37 00 30 00 34 00 45<br>00 43 00 29 00 0d 00<br>0a 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | E.R.R.O.R.:.<br>.M.p.W.D.E.n.a.b.l.e.<br>(.T.R.U.E.). f.a.i.l.e.d. .<br>(.8.0.0.7.0.4.E.C.).....                                                                                                                                                                                    | success or wait | 1     | 7FF6CF3CBC96   | WriteFile |
| C:\Windows\ServiceProfiles\LocalService\AppData\Local\Temp\MpCmdRun.log | unknown | 100    | 4d 00 70 00 43 00 6d<br>00 64 00 52 00 75 00<br>6e 00 3a 00 20 00 45<br>00 6e 00 64 00 20 00<br>54 00 69 00 6d 00 65<br>00 3a 00 20 00 0e 20<br>54 00 75 00 65 00 20<br>00 0e 20 4d 00 61 00<br>79 00 20 00 0e 20 30<br>00 34 00 20 00 0e 20<br>32 00 30 00 32 00 31<br>00 20 00 31 00 31 00<br>3a 00 34 00 34 00 3a<br>00 31 00 34 00 0d 00<br>0a 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M.p.C.m.d.R.u.n.:. .E.n.d.<br>.T.i.m.e.:. . T.u.e. . M.a.y.<br>.. 0.4. .. 2.0.2.1. .1.1.:.4.4.<br>:.1.4.....                                                                                                                                                                        | success or wait | 1     | 7FF6CF3CBC96   | WriteFile |



[illegible]

**Analysis Process: conhost.exe PID: 6596 Parent PID: 6588**

## General

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Start time:                   | 11:44:13                                            |
| Start date:                   | 04/05/2021                                          |
| Path:                         | C:\Windows\System32\conhost.exe                     |
| Wow64 process (32bit):        | false                                               |
| Commandline:                  | C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 |
| Imagebase:                    | 0x7ff7ecfc0000                                      |
| File size:                    | 625664 bytes                                        |
| MD5 hash:                     | EA777DEEA782E8B4D7C7C33BBF8A4496                    |
| Has elevated privileges:      | true                                                |
| Has administrator privileges: | false                                               |
| Programmed in:                | C, C++ or other language                            |
| Reputation:                   | high                                                |

## Disassembly

## Code Analysis