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## Analysis

**max time kernel**
146s

**max time network**
147s

**platform**
windows10-2004_x64

**resource**
win10v2004-20230915-en

**resource tags**

ARCH:X64
ARCH:X86
IMAGE:WIN10V2004-20230915-EN
LOCALE:EN-US
OS:WINDOWS10-2004-X64
SYSTEM

**submitted**
04-10-2023 16:15

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## General

**Target**
WX.pdf.lnk

**Size**
1KB

**MD5**
4081b99306478e563fcb8737ea368029

**SHA1**
49a54cbbd519c1a10835542f704ba174e65d078f

**SHA256**
77dc2c45251101c6967d9368de8750fff2c5981e5452c8539e85dfae2373703b

**SHA512**
6b0e0a44d8cd13af1788c961090a4b6d895f233158917f6c06521081d74cca9509882ff0fe1cc4a1dd64d5c491bced52e5f45eacef0943e993d85b1b8936eefb

Score
7/10

## Malware Config

## Signatures

Execution | Defense Evasion | Discovery

**Checks computer location settings** • 2 TTPs 1 IoCs
Looks up country code configured in the registry, likely geofence.

**Suspicious use of SetThreadContext** • 1 IoCs

**Enumerates physical storage devices** • 1 TTPs
Attempts to interact with connected storage/optical drive(s).

**Checks processor information in registry** • 2 TTPs 2 IoCs
Processor information is often read in order to detect sandboxing environments.

**Gathers network information** • 2 TTPs 2 IoCs
Uses commandline utility to view network configuration.

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**Suspicious behavior: NtCreateUserProcessBlockNonMicrosoftBinary** • 1 IoCs

**Suspicious use of AdjustPrivilegeToken** • 28 IoCs

**Suspicious use of FindShellTrayWindow** • 1 IoCs

**Suspicious use of SetWindowsHookEx** • 6 IoCs

**Suspicious use of WriteProcessMemory** • 64 IoCs

## Processes

C:\Windows\system32\cmd.exe — PID:3556
```
cmd /c C:\Users\Admin\AppData\Local\Temp\WX.pdf.lnk
```

C:\Windows\System32\regsvr32.exe — PID:4280
```
"C:\Windows\System32\regsvr32.exe" /s /u /i:i1v\zN\JI\eWJM\MVst\qI\1Q52\uURq\QIPJ\J4Xw\J6V\CO\bOs8\GMV\N53B\bow.sct scrobj.dll
```

C:\Windows\System32\rundll32.exe — PID:3028
```
"C:\Windows\System32\rundll32.exe" i1v\zN\JI\eWJM\MVst\qI\1Q52\uURq\QIPJ\J4Xw\J6V\CO\bOs8\GMV\N53B\xSa.log, HUF_inc_var
```

C:\Windows\SysWOW64\rundll32.exe — PID:3692
```
"C:\Windows\System32\rundll32.exe" i1v\zN\JI\eWJM\MVst\qI\1Q52\uURq\QIPJ\J4Xw\J6V\CO\bOs8\GMV\N53B\xSa.log, HUF_inc_var
```

C:\Windows\SysWOW64\SearchProtocolHost.exe — PID:1740
```
"C:\Windows\System32\SearchProtocolHost.exe"
```

C:\Windows\SysWOW64\whoami.exe — PID:4168
```
whoami.exe /all
```

C:\Windows\SysWOW64\ipconfig.exe — PID:2260
```
ipconfig.exe /all
```

C:\Windows\SysWOW64\netstat.exe — PID:4720
```
netstat.exe -aon
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroRd32.exe — PID:1268
```
"C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroRd32.exe" "C:\Users\Admin\AppData\Local\Temp\i1v\zN\JI\eWJM\MVst\qI\1Q52\uURq\QIPJ\J4Xw\J6V\CO\bOs8\GMV\N53B\Abqd.pdf"
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe — PID:4696
```
"C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe" --backgro
```

PID:2840
```
(x86)\Adobe\Acrobat Reader DC\Reader\Acr
```

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```
oCEF\debug.log" --log-severity=disable -
-product-version="ReaderServices/19.10.2
0064 Chrome/64.0.3282.119" --gpu-prefere
nces=GAAAAAAAAAAAB4AAAQAAAAAAAAAAGAA --
use-gl=swiftshader-webgl --gpu-vendor-id
=0x1234 --gpu-device-id=0x1111 --gpu-dri
ver-vendor="Google Inc." --gpu-driver-ve
rsion=3.3.0.2 --gpu-driver-date=2017/04/
07 --disable-pack-loading --lang=en-US -
-log-file="C:\Program Files (x86)\Adobe
\Acrobat Reader DC\Reader\AcroCEF\debug.
log" --log-severity=disable --product-ve
rsion="ReaderServices/19.10.20064 Chrom
e/64.0.3282.119" --service-request-chann
el-token=F701B6C083BEB4F0D4BB864581D2F8D
3 --mojo-platform-channel-handle=1736 --
allow-no-sandbox-job --ignored=" --type=
renderer " /prefetch:2
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe

PID:4912

```
"C:\Program Files (x86)\Adobe\Acrobat Re
ader DC\Reader\AcroCEF\RdrCEF.exe" --typ
e=renderer --disable-browser-side-naviga
tion --disable-gpu-compositing --service
-pipe-token=632A56E7975808FD337C1F3B80CF
4A2A --lang=en-US --disable-pack-loading
--lang=en-US --log-file="C:\Program File
s (x86)\Adobe\Acrobat Reader DC\Reader\A
croCEF\debug.log" --log-severity=disable
--product-version="ReaderServices/19.10.
20064 Chrome/64.0.3282.119" --enable-pin
ch --device-scale-factor=1 --num-raster-
threads=4 --enable-main-frame-before-act
ivation --enable-gpu-async-worker-contex
t --content-image-texture-target=0,0,355
3;0,1,3553;0,2,3553;0,3,3553;0,4,3553;0,
5,3553;0,6,3553;0,7,3553;0,8,3553;0,9,35
53;0,10,3553;0,11,3553;0,12,3553;0,13,35
53;0,14,3553;0,15,3553;0,16,3553;0,17,35
53;0,18,3553;1,0,3553;1,1,3553;1,2,3553;
1,3,3553;1,4,3553;1,5,3553;1,6,3553;1,7,
3553;1,8,3553;1,9,3553;1,10,3553;1,11,35
53;1,12,3553;1,13,3553;1,14,3553;1,15,35
53;1,16,3553;1,17,3553;1,18,3553;2,0,355
3;2,1,3553;2,2,3553;2,3,3553;2,4,3553;2,
5,3553;2,6,3553;2,7,3553;2,8,3553;2,9,35
53;2,10,3553;2,11,3553;2,12,3553;2,13,35
53;2,14,3553;2,15,3553;2,16,3553;2,17,35
53;2,18,3553;3,0,3553;3,1,3553;3,2,3553;
3,3,3553;3,4,3553;3,5,3553;3,6,3553;3,7,
3553;3,8,3553;3,9,3553;3,10,3553;3,11,35
53;3,12,3553;3,13,3553;3,14,3553;3,15,35
53;3,16,3553;3,17,3553;3,18,3553;4,0,355
3;4,1,3553;4,2,3553;4,3,3553;4,4,3553;4,
5,3553;4,6,3553;4,7,3553;4,8,3553;4,9,35
53;4,10,3553;4,11,3553;4,12,3553;4,13,35
53;4,14,3553;4,15,3553;4,16,3553;4,17,35
53;4,18,3553;5,0,3553;5,1,3553;5,2,3553;
5,3,3553;5,4,3553;5,5,3553;5,6,3553;5,7,
3553;5,8,3553;5,9,3553;5,10,3553;5,11,35
53;5,12,3553;5,13,3553;5,14,3553;5,15,35
```

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```
handle=1836 --allow-no-sandbox-job /pref
etch:1
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe

PID:1680

```
"C:\Program Files (x86)\Adobe\Acrobat Re
ader DC\Reader\AcroCEF\RdrCEF.exe" --typ
e=gpu-process --disable-pack-loading --l
ang=en-US --log-file="C:\Program Files
(x86)\Adobe\Acrobat Reader DC\Reader\Acr
oCEF\debug.log" --log-severity=disable -
-product-version="ReaderServices/19.10.2
0064 Chrome/64.0.3282.119" --gpu-prefere
nces=GAAAAAAAAAAAB4AAAQAAAAAAAAAAGAA --
use-gl=swiftshader-webgl --gpu-vendor-id
=0x1234 --gpu-device-id=0x1111 --gpu-dri
ver-vendor="Google Inc." --gpu-driver-ve
rsion=3.3.0.2 --gpu-driver-date=2017/04/
07 --disable-pack-loading --lang=en-US -
-log-file="C:\Program Files (x86)\Adobe
\Acrobat Reader DC\Reader\AcroCEF\debug.
log" --log-severity=disable --product-ve
rsion="ReaderServices/19.10.20064 Chrom
e/64.0.3282.119" --service-request-chann
el-token=894A914DCDDDE9ACB7FCB75FC8BF201
2 --mojo-platform-channel-handle=2296 --
allow-no-sandbox-job --ignored=" --type=
renderer " /prefetch:2
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe

PID:1944

```
"C:\Program Files (x86)\Adobe\Acrobat Re
ader DC\Reader\AcroCEF\RdrCEF.exe" --typ
e=renderer --disable-browser-side-naviga
tion --disable-gpu-compositing --service
-pipe-token=330FD45D3B11128C416F8F825461
16CD --lang=en-US --disable-pack-loading
--lang=en-US --log-file="C:\Program File
s (x86)\Adobe\Acrobat Reader DC\Reader\A
croCEF\debug.log" --log-severity=disable
--product-version="ReaderServices/19.10.
20064 Chrome/64.0.3282.119" --enable-pin
ch --device-scale-factor=1 --num-raster-
threads=4 --enable-main-frame-before-act
ivation --enable-gpu-async-worker-contex
t --content-image-texture-target=0,0,355
3;0,1,3553;0,2,3553;0,3,3553;0,4,3553;0,
5,3553;0,6,3553;0,7,3553;0,8,3553;0,9,35
53;0,10,3553;0,11,3553;0,12,3553;0,13,35
53;0,14,3553;0,15,3553;0,16,3553;0,17,35
53;0,18,3553;1,0,3553;1,1,3553;1,2,3553;
1,3,3553;1,4,3553;1,5,3553;1,6,3553;1,7,
3553;1,8,3553;1,9,3553;1,10,3553;1,11,35
53;1,12,3553;1,13,3553;1,14,3553;1,15,35
53;1,16,3553;1,17,3553;1,18,3553;2,0,355
3;2,1,3553;2,2,3553;2,3,3553;2,4,3553;2,
5,3553;2,6,3553;2,7,3553;2,8,3553;2,9,35
53;2,10,3553;2,11,3553;2,12,3553;2,13,35
53;2,14,3553;2,15,3553;2,16,3553;2,17,35
53;2,18,3553;3,0,3553;3,1,3553;3,2,3553;
3,3,3553;3,4,3553;3,5,3553;3,6,3553;3,7,
3553;3,8,3553;3,9,3553;3,10,3553;3,11,35
```

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```
53;5,12,3553;5,13,3553;5,14,3553;5,15,35
53;5,16,3553;5,17,3553;5,18,3553;6,0,355
3;6,1,3553;6,2,3553;6,3,3553;6,4,3553;6,
5,3553;6,6,3553;6,7,3553;6,8,3553;6,9,35
53;6,10,3553;6,11,3553;6,12,3553;6,13,35
53;6,14,3553;6,15,3553;6,16,3553;6,17,35
53;6,18,3553 --disable-accelerated-video
-decode --service-request-channel-token=
330FD45D3B11128C416F8F82546116CD --rende
rer-client-id=5 --mojo-platform-channel-
handle=2320 --allow-no-sandbox-job /pref
etch:1
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe

PID:2184

```
"C:\Program Files (x86)\Adobe\Acrobat Re
ader DC\Reader\AcroCEF\RdrCEF.exe" --typ
e=gpu-process --disable-pack-loading --l
ang=en-US --log-file="C:\Program Files
(x86)\Adobe\Acrobat Reader DC\Reader\Acr
oCEF\debug.log" --log-severity=disable -
-product-version="ReaderServices/19.10.2
0064 Chrome/64.0.3282.119" --gpu-prefere
nces=GAAAAAAAAAAAB4AAAQAAAAAAAAAAGAA --
use-gl=swiftshader-webgl --gpu-vendor-id
=0x1234 --gpu-device-id=0x1111 --gpu-dri
ver-vendor="Google Inc." --gpu-driver-ve
rsion=3.3.0.2 --gpu-driver-date=2017/04/
07 --disable-pack-loading --lang=en-US -
-log-file="C:\Program Files (x86)\Adobe
\Acrobat Reader DC\Reader\AcroCEF\debug.
log" --log-severity=disable --product-ve
rsion="ReaderServices/19.10.20064 Chrom
e/64.0.3282.119" --service-request-chann
el-token=806AFEAC8B00C8FBF5136A5A2BFA186
E --mojo-platform-channel-handle=2664 --
allow-no-sandbox-job --ignored=" --type=
renderer " /prefetch:2
```

C:\Program Files (x86)\Adobe\Acrobat Reader DC\Reader\AcroCEF\RdrCEF.exe

PID:1384

```
"C:\Program Files (x86)\Adobe\Acrobat Re
ader DC\Reader\AcroCEF\RdrCEF.exe" --typ
e=gpu-process --disable-pack-loading --l
ang=en-US --log-file="C:\Program Files
(x86)\Adobe\Acrobat Reader DC\Reader\Acr
oCEF\debug.log" --log-severity=disable -
-product-version="ReaderServices/19.10.2
0064 Chrome/64.0.3282.119" --gpu-prefere
nces=GAAAAAAAAAAAB4AAAQAAAAAAAAAAGAA --
use-gl=swiftshader-webgl --gpu-vendor-id
=0x1234 --gpu-device-id=0x1111 --gpu-dri
ver-vendor="Google Inc." --gpu-driver-ve
rsion=3.3.0.2 --gpu-driver-date=2017/04/
07 --disable-pack-loading --lang=en-US -
-log-file="C:\Program Files (x86)\Adobe
\Acrobat Reader DC\Reader\AcroCEF\debug.
log" --log-severity=disable --product-ve
rsion="ReaderServices/19.10.20064 Chrom
e/64.0.3282.119" --service-request-chann
el-token=42A434A6D17947E90B37C044408D33A
B --mojo-platform-channel-handle=2408 --
```

PID:3224

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## Network

Requests | TCP | UDP

| | | |
|---|---|---|
| DNS | 146.78.124.51.in-addr.arpa | |
| DNS | 75.159.190.20.in-addr.arpa | |
| DNS | 95.221.229.192.in-addr.arpa | |
| DNS | 241.154.82.20.in-addr.arpa | |
| DNS | 41.110.16.96.in-addr.arpa | |
| DNS | 57.169.31.20.in-addr.arpa | |
| DNS | 59.128.231.4.in-addr.arpa | |
| DNS | 137.0.85.104.in-addr.arpa | |
| DNS | 139.121.18.2.in-addr.arpa | |
| DNS | 157.123.68.40.in-addr.arpa | |
| DNS | 15.164.165.52.in-addr.arpa | |
| POST | https://45.131.108.250:1194/Cookbooks/HXvRxx93G... | SEARCHPROTOC... |
| DNS | 254.109.26.67.in-addr.arpa | |
| DNS | 250.108.131.45.in-addr.arpa | |
| DNS | 14.227.111.52.in-addr.arpa | |
| DNS | tse1.mm.bing.net | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317301145_1Y8CXK45BT2OH... | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317301111_1DKW3SIPELFG6R... | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317301544_150BJDG31FJ0Z... | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317301554_133DWC45UAH2... | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317300927_1MHQY2TQNUIH... | |
| GET | https://tse1.mm.bing.net/th?id=OADD2.10239317301360_1Q2LDLW388L4... | |

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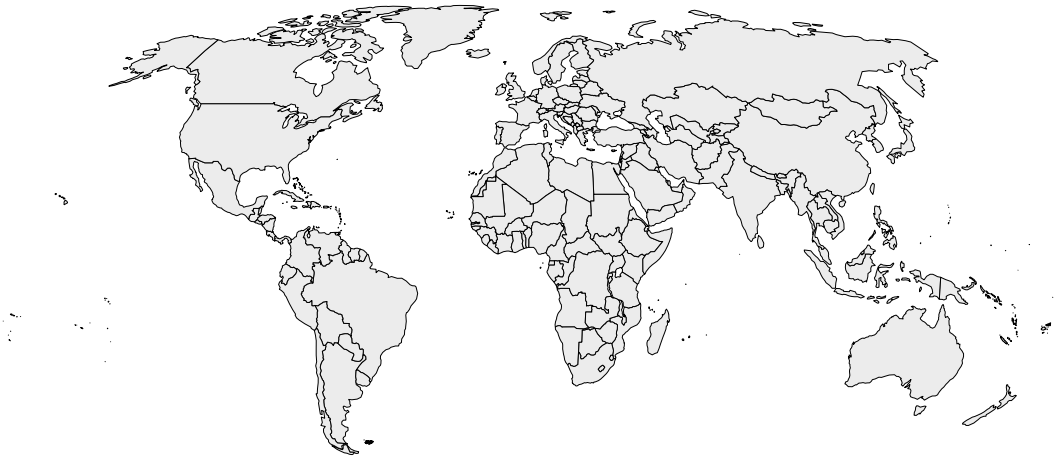

## MITRE ATT&CK Enterprise

v15

## Replay Monitor

## Downloads

**C:\Users\Admin\AppData\LocalLow\Adobe\Acrobat\DC\ReaderMess...**

| | |
|---|---|
| Filesize | 64KB |
| MD5 | 17e64be8adeda4467b8ffc7e9e602c0b |
| SHA1 | 7dc1ffc21f27e46aeb39cc162f66580f445af891 |
| SHA256 | d943b61fdb3ea5e2c1fec7747b2dadb96a650d482cd... |
| SHA512 | 982d928ab8f272681a4f0dd0717d6371d916b36a5c2... |

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| | |
|---|---|
| MD5 | 752a1f26b18748311b691c7d8fc20633 |
| SHA1 | c1f8e83eebc1cc1e9b88c773338eb09ff82ab862 |
| SHA256 | 111dac2948e4cecb10b0d2e10d8afaa663d78d64382... |
| SHA512 | a2f5f262faf2c3e9756da94b2c47787ce3a9391b5bd5... |

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**memory/1268-35-0×000000000A5F0000-0×000000000A611000-...**

| | |
|---|---|
| Filesize | 132KB |

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**memory/1268-171-0×000000000B8B0000-0×000000000BB5B000...**

| | |
|---|---|
| Filesize | 2.7MB |

Download

**memory/1740-5-0×0000000000C20000-0×0000000000C6B000-...**

| | |
|---|---|
| Filesize | 300KB |

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**memory/1740-40-0×0000000000C20000-0×0000000000C6B000-...**

| | |
|---|---|
| Filesize | 300KB |

Download

**memory/1740-4-0×0000000000C20000-0×0000000000C6B000-...**

| | |
|---|---|
| Filesize | 300KB |

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**memory/1740-2-0×0000000000C20000-0×0000000000C6B000-...**

| | |
|---|---|
| Filesize | 300KB |

Download

**memory/1740-138-0×0000000000C20000-0×0000000000C6B000...**

| | |
|---|---|
| Filesize | 300KB |

Download

**memory/1740-146-0×0000000000C20000-0×0000000000C6B000...**

| | |
|---|---|
| Filesize | 300KB |

Download

**memory/1740-153-0×0000000000C20000-0×0000000000C6B000...**

| | |
|---|---|
| Filesize | 300KB |

Download

**memory/3692-6-0×0000000002E00000-0×0000000002ED1000-...**

| | |
|---|---|
| Filesize | 836KB |

Download

**memory/3692-0-0×0000000002C50000-0×0000000002D13000-...**

| | |
|---|---|
| Filesize | 780KB |

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**memory/3692-1-0×0000000002E00000-0×0000000002ED1000-...**

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