

Analysis Report: urlhaus_1337ed6fe9c6.exe

Verdict: **LIKELY-MALICIOUS**

Verdict: likely-malicious; 224 anti-VM checks (mixed)

Analysis Overview

Score: 7/10

Threat level: Likely malicious

Malicious Activity Summary

- T1497.001
- T1071.001
- T1105
- Process Injection
- Process Injection: Dynamic-link Library Injection
- Input Capture: Keylogging
- Process Discovery
- Indicator Removal: File Deletion
- System Information Discovery
- Shared Modules
- Access Token Manipulation
- Hijack Execution Flow: DLL Side-Loading
- Debugger Evasion
- Scheduled Task/Job: Scheduled Task
- Boot or Logon Autostart Execution: Registry Run Keys

Hashes

SHA-256:	1337ed6fe9c6205b569670a40eab42b51ba69c5c1724d61474e8595acd90ecfb
SHA-1:	bf444dcd65b2b22146896f79128bf85a3e16bdb0
MD5:	ae562ddc495a05b75fe617e4feec91bf
Size:	639,296 bytes

Packer Detection

No packer detected.

PE Information

Architecture:	64-bit
Type:	Executable
Entry Point:	0x76C0

Name	Virtual Size	Entropy
.text	0x1A1B1	6.55
.rdata	0xCF46	5.1
.data	0x1AEA8	1.94
.pdata	0x14A0	5.12
.fptable	0x100	0.0
.rsrc	0x6F4DC	8.0
.reloc	0x664	4.89

Imports

KERNEL32.dll

- TerminateProcess
- CreateThread
- GetCurrentThreadId
- OpenThread
- FlushInstructionCache
- GetTickCount
- VirtualAlloc
- VirtualProtect
- VirtualFree
- GetModuleHandleA

USER32.dll

- DispatchMessageW
- GetSystemMetrics
- GetCursorPos
- wsprintfA
- MsgWaitForMultipleObjectsEx
- PeekMessageW
- TranslateMessage
- MessageBoxW
- wsprintfW
- GetAsyncKeyState

ADVAPI32.dll

- RegCloseKey
- GetTokenInformation
- OpenProcessToken
- RegQueryInfoKeyW
- RegOpenKeyExW
- GetUserNameW

COMCTL32.dll

- InitCommonControlsEx

SHLWAPI.dll

- PathFileExistsW
- StrCmpIW

UxTheme.dll

- IsAppThemed
- IsThemeActive

USERENV.dll

GetUserProfileDirectoryW

ole32.dll

CoInitializeEx

CoUninitialize

VERSION.dll

GetFileVersionInfoSizeW

Strings (200 found)

C'a#
MMZlZ
^Rich
.text
@.data
.pdata
@.fptable
.rsrc
@.reloc
L\$ L
SVWATAUAVAWH
D\$8ole3
D\$<2.dlf
D\$@l
D\$HH
\\$ M
\\$LE2
D\$`H
D\$tH
D\$23
d\$3L
L\$LD
|\$03
d\$3H
|\$1E3
D\$`H
D\$tH
|\$03
tyD
|\$03
|\$1H
A_A^A]A_^[
\\$0H
t\$8H
|l7ss|ls
I*Ai
|ls|l
ssssSH
|\$ f
|\$ fA
|ls|lsH
D\$8H
D\$(H
\\$ A

"r?L
\\\$`H
t\$hH
|\$pH
sssss|ls
... and 150 more

Malware Config

Indicators of Compromise (11)

URLs (3)

https://telegram.me/m1duus
https://dev.epicgames.com/community/api/user_profiles/profile.json
https://steamcommunity.com/profiles/76561198657426610

Domains (8)

telegram.me
dev.epicgames.com
steamcommunity.com
aware-cr1.com
assets.msn.com
www.bing.com
config.edge.skype.com
edge-consumer-static.azureedge.net

MITRE ATT&CK (15)

Technique	Name	Tactic	Source
T1497.001			detonation-evidence
T1071.001			detonation-evidence
T1105			detonation-evidence
T1055	Process Injection	Defense Evasion	
T1055.001	Process Injection: Dynamic-link	Defense Evasion	
T1056.001	Input Capture: Keylogging	Credential Access	
T1057	Process Discovery	Discovery	
T1070.004	Indicator Removal: File Deletion	Defense Evasion	
T1082	System Information Discovery	Discovery	
T1129	Shared Modules	Execution	
T1134	Access Token Manipulation	Privilege Escalation	
T1574.002	Hijack Execution Flow: DLL Side-	Privilege Escalation	
T1622	Debugger Evasion	Defense Evasion	
T1053.005	Scheduled Task/Job: Scheduled Ta	Persistence	behavioral_inference
T1547.001	Boot or Logon Autostart Executio	Persistence	behavioral_inference

Dynamic Detonation

Coverage: ran
Behavior: malicious-behavior
Threat score: 70/100 (high)

Factors: c2, attack_techniques

Network Connections (8)

Destination	Domain	Proto
10.0.2.3:80		tcp
10.0.2.3:443		tcp
224.0.0.252:5355		udp
10.0.2.3:53		udp
255.255.255.255:67		udp
169.254.255.255:137		udp
224.0.0.251:5353		udp
10.0.2.255:137		udp

TLS Handshake Failures (cert-pinning) (50)

assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
www.bing.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
edge.microsoft.com (remote error: tls: unknown certificate)
edge.microsoft.com (remote error: tls: unknown certificate)
www.bing.com (remote error: tls: unknown certificate)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
www.bing.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
www.bing.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)

Behavioral Timeline (100)

- 1. [conn] pid 0: udp 224.0.0.251:5353
- 2. [conn] pid 0: udp 224.0.0.252:5355
- 3. [conn] pid 0: udp 169.254.255.255:137
- 4. [conn] pid 0: udp 255.255.255.255:67
- 5. [conn] pid 0: udp 224.0.0.251:5353
- 6. [conn] pid 0: udp 224.0.0.252:5355
- 7. [conn] pid 0: udp 224.0.0.252:5355
- 8. [conn] pid 0: udp 224.0.0.252:5355
- 9. [conn] pid 0: udp 10.0.2.255:137
- 10. [conn] pid 0: udp 10.0.2.3:53
- 11. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
- 12. [conn] pid 0: tcp 10.0.2.3:80
- 13. [conn] pid 0: tcp 10.0.2.3:80
- 14. [conn] pid 0: tcp 10.0.2.3:80
- 15. [conn] pid 0: udp 10.0.2.3:53
- 16. [dns] pid 0: DNS 1 aware-cr1.com -> 10.0.2.3
- 17. [conn] pid 0: tcp 10.0.2.3:443
- 18. [conn] pid 0: udp 10.0.2.3:53

```
19. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
20. [conn] pid 0: tcp 10.0.2.3:80
21. [conn] pid 0: tcp 10.0.2.3:80
22. [conn] pid 0: udp 10.0.2.3:53
23. [dns] pid 0: DNS 1 assets.msn.com -> 10.0.2.3
24. [conn] pid 0: tcp 10.0.2.3:443
25. [conn] pid 0: tcp 10.0.2.3:443
```

...and 75 more events

Packet capture: available (full PCAP)

Persistence (1)

```
[Startup folder] malray.bat -> /ProgramData/Microsoft/Windows/Start Menu/Programs/Startup/malray.bat
```

Spawned Processes (50)

```
System
Registry
fontdrvhost.exe - "fontdrvhost.exe"
svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p
smss.exe - \SystemRoot\System32\smss.exe
urlhaus_1337ed - svchost.exe
svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s NcbService
RuntimeBroker. - C:\Windows\System32\RuntimeBroker.exe -Embedding
SearchApp.exe - "C:\Windows\SystemApps\Microsoft.Windows.Search_cw5n1h2txyewy\SearchApp.exe" -ServerName:CortanaUI.A
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=crashpad-handler "--user-data-dir
svchost.exe - C:\Windows\system32\svchost.exe -k appmodel -p -s camsvc
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --single-argument http://www.msftconnect
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=storage
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=gpu-process --gpu-preferences=SA
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=network
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=renderer --pdf-upsell-enabled --v
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=renderer --pdf-upsell-enabled --v
schtasks.exe - schtasks.exe /create /tn "SecurityHealthService" /xml "C:\Users\MATT~1\JOH\AppData\Local\Temp\~st0001
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=entity
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s Appinfo
taskhostw.exe - taskhostw.exe SyncFromCloud
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p -s lmhosts
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s FontCache
svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -p -s PcaSvc
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s TimeBrokerSvc
svchost.exe - C:\Windows\system32\svchost.exe -k AzureAttestService -s AzureAttestService
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s BDESVC
NVDDisplay.Cont - C:\Windows\System32\DriverStore\FileRepository\nvamig.inf_amd64_5a5c892944a7f61d\Display.NvContainer
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s gpsvc
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s wlidsvc
```

...and 20 more

Report ID: 7vI9S2XrdFkvTX2W7hnY0QixA9pZqQggcWxljf3Yt-I

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