

Analysis Report: urlhaus_660966e3a75d.exe

Verdict: **LIKELY-MALICIOUS**

Verdict: likely-malicious; 102 anti-VM checks (mixed)

Analysis Overview

Score: 7/10

Threat level: Likely malicious

Malicious Activity Summary

- Decrypted C2 recovered (1 HTTPS request(s)) - TLS-MITM at the hypervisor
- 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:	660966e3a75d5243ba66ef04e8aea4d66bfb325a4f3959c6d15b476351ad8d41
SHA-1:	c42165cbd0bd0ba1d01e8d5222871e5976f22c52
MD5:	bf8bdad0876ea167c165929e0aaa17e2
Size:	1,474,800 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	0x13AEE8	7.88
.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)

Rich
.text
.rdata
.data
.pdata
.fptable
.rsrc
.reloc
L\$ L
SVWATAUAVAWH
D\$8ole3
D\$<2.dlf
D\$@1
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
sssss
I*Ai
|ls|l3s
|\$ f
|\$ fA
|lsH
D\$8H
D\$(H
\\$ A
"r?L
\\$`H
t\$hH

|\$pH
 |l7ss|l3s
 r4E3
 TCDA
 D\$`H
 ... and 150 more

Malware Config

C2 / Network (5)

Endpoint	Source
api.msn.com	decrypted_c2
assets.msn.com	decrypted_c2
fs.microsoft.com	decrypted_c2
realniggacheats.cc	decrypted_c2
www.bing.com	decrypted_c2

Indicators of Compromise (13)

URLs (3)

https://telegram.me/s11yme
 https://dev.epicgames.com/community/api/user_profiles/profile.json
 https://steamcommunity.com/profiles/76561198652917381

Domains (10)

telegram.me
 dev.epicgames.com
 steamcommunity.com
 api.msn.com
 assets.msn.com
 www.bing.com
 realniggacheats.cc
 aware-cr1.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
10.0.2.3:53		udp
224.0.0.252:5355		udp
255.255.255.255:67		udp
10.0.2.255:137		udp
10.0.2.255:138		udp
224.0.0.251:5353		udp

Decrypted C2 (TLS-MITM) (1)

HEAD /fs/windows/config.json [status=501 sni=fs.microsoft.com]

TLS Handshake Failures (cert-pinning) (50)

assets.msn.com (tlsstate: deadline exceeded)

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assets.msn.com (tlsstate: deadline exceeded)

assets.msn.com (tlsstate: deadline exceeded)

assets.msn.com (tlsstate: deadline exceeded)

assets.msn.com (tlsstate: deadline exceeded)

config.edge.skype.com (remote error: tls: unknown certificate)

www.bing.com (remote error: tls: unknown certificate)

assets.msn.com (tlsstate: deadline exceeded)

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)

Behavioral Timeline (100)

- [conn] pid 0: udp 224.0.0.251:5353
- [conn] pid 0: udp 224.0.0.252:5355
- [conn] pid 0: udp 255.255.255.255:67
- [conn] pid 0: udp 224.0.0.251:5353
- [conn] pid 0: udp 224.0.0.252:5355

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6. [conn] pid 0: udp 224.0.0.252:5355
7. [conn] pid 0: udp 10.0.2.255:137
8. [conn] pid 0: udp 10.0.2.3:53
9. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
10. [conn] pid 0: tcp 10.0.2.3:80
11. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
12. [conn] pid 0: tcp 10.0.2.3:80
13. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
14. [conn] pid 0: tcp 10.0.2.3:80
15. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
16. [conn] pid 0: udp 10.0.2.3:53
17. [dns] pid 0: DNS 1 aware-cr1.com -> 10.0.2.3
18. [conn] pid 0: tcp 10.0.2.3:443
19. [conn] pid 0: udp 10.0.2.3:53
20. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
21. [conn] pid 0: tcp 10.0.2.3:80
22. [http] pid 0: GET http://ctldl.windowsupdate.com/msdownload/update/v3/static/trustedr/en/authrootstl.cab
23. [conn] pid 0: tcp 10.0.2.3:80
24. [http] pid 0: GET http://ctldl.windowsupdate.com/msdownload/update/v3/static/trustedr/en/authrootstl.cab
25. [conn] pid 0: udp 10.0.2.3:53
```

...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

svchost.exe - C:\Windows\system32\svchost.exe -k RPCSS -p

Registry

smss.exe - \SystemRoot\System32\smss.exe

svchost.exe - C:\Windows\System32\svchost.exe -k LocalService -p -s LicenseManager

StartMenuExper - "C:\Windows\SystemApps\Microsoft.Windows.StartMenuExperienceHost_cw5n1h2txyewy\StartMenuExperienceHost.exe"

svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s Appinfo

RuntimeBroker. - C:\Windows\System32\RuntimeBroker.exe -Embedding

svchost.exe - C:\Windows\system32\svchost.exe -k appmodel -p -s camsvc

mobsync.exe - C:\Windows\System32\mobsync.exe -Embedding

msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --single-argument http://www.msftconnecttest.com/connecttest.txt

svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -p -s PcaSvc

schtasks.exe - schtasks.exe /create /tn "SecurityHealthService" /xml "C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001" /flags 0x1

msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=crashpad-handler --user-data-dir=C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001

svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s BDESVC

conhost.exe - ??\C:\Windows\system32\conhost.exe 0x4

msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=gpu-process --gpu-preferences=SA

taskhostw.exe - taskhostw.exe \$(Arg0)

msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=storage

BdeUISrv.exe - C:\Windows\System32\BdeUISrv.exe -Embedding

msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=network

urlhaus_660966 - svchost.exe

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 "WindowsSecurityHealth" /xml "C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001" /flags 0x1

schtasks.exe - schtasks.exe /create /tn "SecurityHealthService" /xml "C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001" /flags 0x1

schtasks.exe - schtasks.exe /create /tn "WindowsSecurityHealth" /xml "C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001" /flags 0x1

SecurityHealth

```
schtasks.exe - schtasks.exe /create /tn "WindowsSecurityHealth" /xml "C:\Users\MATT~1.JOH\AppData\Local\Temp\~st0001
schtasks.exe
...and 20 more
```

Report ID: 8AF6yaMT_9KbQklRJ5l9i2qmXqlJBRCoAMgKX7rhLA

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