

Analysis Report: urlhaus_16426ff24dfb.exe

Verdict: **LIKELY-MALICIOUS**

Verdict: likely-malicious; 36 anti-VM checks (mixed)

Analysis Overview

Score: 8/10

Threat level: Likely malicious

Malicious Activity Summary

- T1497.001
- T1571
- Process Injection: Dynamic-link Library Injection
- System Information Discovery
- Native API
- Shared Modules
- Access Token Manipulation
- Hijack Execution Flow: DLL Side-Loading
- Debugger Evasion
- Process Injection
- File and Directory Discovery
- Application Layer Protocol: Web Protocols

Hashes

SHA-256: 16426ff24dfb2d568d41366471199d62a8e98fb57c5a62e23efd612cd2adc018

SHA-1: 96394a0a2d12d52cce98d6c568b735a1020d25b

MD5: a122d3856d069fcf34009dc5187a2425

Size: 225,831 bytes

Packer Detection

No packer detected.

PE Information

Architecture: 64-bit

Type: Executable

Entry Point: 0x12288

Sections: 8

Name	Virtual Size	Entropy
------	--------------	---------

.text	0x20277	6.44
.rdata	0xE354	5.21
.data	0x1CC0	2.12
.pdata	0x19E0	5.31
.fptable	0x100	0.0
__RDATA	0x1F4	4.22
.rsrc	0x494	2.74
.reloc	0x6B8	5.05

Imports

KERNEL32.dll

- AddVectoredExceptionHandler
- CloseHandle
- CopyFileW
- CreateDirectoryW
- CreateFileW
- CreateMutexW
- CreateProcessW
- DeleteCriticalSection
- EncodePointer
- EnterCriticalSection

ADVAPI32.dll

- GetTokenInformation
- OpenProcessToken

Strings (200 found)

!This program cannot be run in DOS mode.\$
.text
`.rdata
@.data
.pdata
@.fptable
__RDATA
@.rsrc
@.reloc
VWSH
L\$8A
D\$7H
T\$xH
L\$11
T\$HH
D\$8H
L\$HH
D\$8H
D\$pH
L\$XH
L\$XH
L\$XH
D\$8H
D\$8H

T\$HH
D\$8H
T\$HH
D\$ \
D\$8H
D\$P\
D\$8H
T\$HH
D\$
D\$PH
D\$pH
D\$@H
H;D\$
H;D\$
\${0
AWAVAUATVWUSH
L\$pA
)D\$`H
L\$`A
D\$`H
L\$hH
T\$pH1
T\$0H3
D\$ H3L\$xH
L\$8H
T\$(E1
... and 150 more

Malware Config

C2 / Network (1)

Endpoint	Source
217.195.153.81:50000	network

Indicators of Compromise (5)

IPv4 addresses (1)

217.195.153.81

Domains (4)

api.msn.com
assets.msn.com
www.bing.com
arc.msn.com

MITRE ATT&CK (12)

Technique	Name	Tactic	Source
T1497.001			detonation-evidence
T1571			detonation-evidence
T1055.001	Process Injection: Dynamic-link	Defense Evasion	
T1082	System Information Discovery	Discovery	
T1106	Native API	Execution	

T1129	Shared Modules	Execution	
T1134	Access Token Manipulation	Privilege Escalation	
T1574.002	Hijack Execution Flow: DLL Side-	Privilege Escalation	
T1622	Debugger Evasion	Defense Evasion	
T1055	Process Injection		pt_trace
T1083	File and Directory Discovery		pt_trace
T1071.001	Application Layer Protocol: Web	Command and Control	behavioral_inference

Per-Process ATT&CK Attribution (3)

Which process attributed which technique, from the Intel-PT per-CR3 demux (each syscall resolved under its own process address space).

NVDisplay.Cont	1192	1833	T1055, T1083	Processes
jsc.exe	4528	8	T1057	
svchost.exe	756	33	T1083	

Dynamic Detonation

Coverage: ran
Behavior: malicious-behavior
Threat score: 85/100 (high)
Factors: c2, beaconing, attack_techniques
C2 beaconing: 1

Network Connections (9)

Destination	Domain	Proto
10.0.2.3:80		tcp
10.0.2.3:443		tcp
10.0.2.3:53		udp
217.195.153.81:50000		tcp
224.0.0.251:5353		udp
224.0.0.252:5355		udp
10.0.2.255:137		udp
255.255.255.255:67		udp
10.0.2.255:138		udp

TLS Handshake Failures (cert-pinning) (50)

assets.msn.com (tlsstate: deadline exceeded)
login.live.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)
assets.msn.com (tlsstate: deadline exceeded)
login.live.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)
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 255.255.255.255:67
4. [conn] pid 0: udp 224.0.0.251:5353
5. [conn] pid 0: udp 224.0.0.252:5355
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. [conn] pid 0: udp 10.0.2.3:53
12. [dns] pid 0: DNS 1 login.live.com -> 10.0.2.3
13. [conn] pid 0: tcp 10.0.2.3:443
14. [conn] pid 0: udp 10.0.2.3:53
15. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
16. [conn] pid 0: tcp 10.0.2.3:80
17. [conn] pid 0: tcp 10.0.2.3:80
18. [conn] pid 0: tcp 10.0.2.3:80
19. [conn] pid 0: tcp 10.0.2.3:443
20. [conn] pid 0: tcp 10.0.2.3:80
21. [conn] pid 0: tcp 10.0.2.3:80
22. [conn] pid 0: tcp 10.0.2.3:443
23. [conn] pid 0: tcp 10.0.2.3:80
24. [conn] pid 0: tcp 10.0.2.3:80
25. [conn] pid 0: tcp 10.0.2.3:80

...and 75 more events

Packet capture: available (full PCAP)

Spawned Processes (50)

System
Registry
lsass.exe - C:\Windows\system32\lsass.exe
svchost.exe - C:\Windows\system32\svchost.exe -k RPCSS -p
winlogon.exe - winlogon.exe
wininit.exe - wininit.exe
svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p -s LSM
smss.exe - \SystemRoot\System32\smss.exe
StartMenuExper - "C:\Windows\SystemApps\Microsoft.Windows.StartMenuExperienceHost_cw5n1h2txyewy\StartMenuExperienceHost.exe"
dllhost.exe - C:\Windows\system32\DllHost.exe /Processid:{133EAC4F-5891-4D04-BADA-D84870380A80}
RuntimeBroker. - C:\Windows\System32\RuntimeBroker.exe -Embedding
msedge.exe
backgroundTask - "C:\Windows\system32\backgroundTaskHost.exe" -ServerName:ShellFeedsUI.AppXnj65k2d1a1rnztt2t2nng5ctm
svchost.exe - C:\Windows\system32\svchost.exe -k appmodel -p -s camsvc
mobsync.exe - C:\Windows\System32\mobsync.exe -Embedding
conhost.exe - \??\C:\Windows\system32\conhost.exe 0x4
cmd.exe - C:\Windows\system32\cmd.exe /c ""C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup\fire_loader.exe"

cmd.exe - C:\Windows\system32\cmd.exe /c ""C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup\urlhaus_1642
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=crashpad-handler "--user-data-dir
jsc.exe - "C:\Windows\Microsoft.NET\Framework\v4.0.30319\jsc.exe"
LogonUI.exe - "LogonUI.exe" /flags:0x2 /state0:0xa3b2c855 /state1:0x41c64e6d
csrss.exe - %SystemRoot%\system32\csrss.exe ObjectDirectory=\Windows SharedSection=1024,20480,768 Windows=0n SubSystem
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s DsmSvc
fontdrvhost.exe - "fontdrvhost.exe"
svchost.exe - C:\Windows\System32\svchost.exe -k wsappx -p -s ClipSVC
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p -s EventLog
svchost.exe - C:\Windows\System32\svchost.exe -k NetSvcs -p -s iphlpsvc
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s Schedule
dwm.exe - "dwm.exe"
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s EventSystem
...and 20 more

Report ID: NpnWMw181lhIFRY1VrkLI2XEBcb4fkKfEDGV2X0vdzs

Generated by KVMX - kvmx.ai