

Analysis Report: urlhaus_0638be794bcc.exe

Verdict: MALICIOUS

Verdict: likely-malicious; 40 anti-VM checks (mixed)

Analysis Overview

Score: 7/10

Threat level: Malicious

Malicious Activity Summary

- T1497.001
- T1071.001
- T1105
- Process Injection: Dynamic-link Library Injection
- Shared Modules
- Hijack Execution Flow: DLL Side-Loading
- Debugger Evasion
- Boot or Logon Autostart Execution: Registry Run Keys

Hashes

SHA-256: 0638be794bcc72c65d713483753dfd9b67a0af6095c90e0437c4e164a0eb0ec9
SHA-1: 41f3dd216ef75b51167d655993a87edc24a8bbbee
MD5: 62cf91d0883273ad51ef19652e8105ab
Size: 797,696 bytes

Packer Detection

No packer detected.

PE Information

Architecture: 64-bit
Type: Executable
Entry Point: 0x48D20
Sections: 6

Name	Virtual Size	Entropy
.text	0x7561C	6.47
.rdata	0x1B62A	5.25
.data	0x3DC14	5.28
.pdata	0x4044	5.76

.fptable	0x100	0.0
.reloc	0xDB4	5.4

Imports

- KERNEL32.dll**
- LoadLibraryA
 - GetProcAddress
 - GetCurrentProcess
 - SetEndOfFile
 - QueryPerformanceCounter
 - QueryPerformanceFrequency
 - GetSystemTimePreciseAsFileTime
 - ReleaseSRWLockExclusive
 - AcquireSRWLockExclusive
 - SleepConditionVariableSRW

Strings (200 found)

!This program cannot be run in DOS mode.
Rich
.text
`.rdata
@.data
.pdata
@.fptable
.reloc
\\$0H
|\$ H
|\$ H
\\$0H
\\$0H
@USVWAUAVAWH
w-I;
`A_A^A]_^[]
@USVWATAUAVAWH
w L;
hA_A^A]A__^[]
t<H
\\$8H
D\$8H
D\$(H
@SUVWAVH
A^_^[]
\\$0H
\\$0H
@SUVWAVH
A^_^[]
@SUVWAVAWH
(A_A^_^[]
A'H;
SWATAUAVAW
D\$pH

D\$XH
T\$XH
L\$XH
\\\$XH
D\$`H
T\$hH
D\$ L
L\$hL
t\$pD
D\$`H
T\$hH
D\$ L
L\$hL
T\$HD
|\$@D
L\$0H
... and 150 more

Malware Config

C2 / Network (5)

Endpoint	Source
api.msn.com	decrypted_c2
assets.msn.com	decrypted_c2
login.live.com	decrypted_c2
www.bing.com	decrypted_c2
80.76.49.106:80	network

Indicators of Compromise (11)

URLs (1)

http://80.76.49.106/

IPv4 addresses (2)

111.111.111.111
80.76.49.106

Domains (8)

zaa.co
de3.de
80.76.49.106
assets.msn.com
api.msn.com
www.bing.com
config.edge.skype.com
edge-consumer-static.azureedge.net

MITRE ATT&CK (8)

Technique	Name	Tactic	Source
T1497.001			detonation-evidence
T1071.001			detonation-evidence
T1105			detonation-evidence

T1055.001	Process Injection: Dynamic-link	Defense Evasion	
T1129	Shared Modules	Execution	
T1574.002	Hijack Execution Flow: DLL Side-	Privilege Escalation	
T1622	Debugger Evasion	Defense Evasion	
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 (9)

Destination	Domain	Proto
10.0.2.3:443		tcp
10.0.2.3:80		tcp
10.0.2.3:53		udp
224.0.0.251:5353		udp
10.0.2.255:138		udp
255.255.255.255:67		udp
80.76.49.106:80		tcp
10.0.2.255:137		udp
224.0.0.252:5355		udp

TLS Handshake Failures (cert-pinning) (50)

assets.msn.com (tlsstate: deadline exceeded)

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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 10.0.2.255:137
7. [conn] pid 0: udp 10.0.2.3:53
8. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
9. [conn] pid 0: tcp 10.0.2.3:80
10. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
11. [conn] pid 0: tcp 10.0.2.3:80
12. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
13. [conn] pid 0: tcp 10.0.2.3:80
14. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
15. [conn] pid 0: tcp 80.76.49.106:80
16. [http] pid 0: POST http://80.76.49.106/
17. [conn] pid 0: udp 10.0.2.3:53
18. [dns] pid 0: DNS 1 assets.msn.com -> 10.0.2.3
19. [conn] pid 0: tcp 10.0.2.3:443
20. [conn] pid 0: tcp 10.0.2.3:443
21. [conn] pid 0: udp 10.0.2.3:53
22. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
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/disallowedcertstl.cab
25. [conn] pid 0: tcp 10.0.2.3:80
```

...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

upfc.exe - C:\Windows\System32\Upfc.exe /launchtype boot /cv HwDisabZgkWXcVRq7nRwyA.0

MpCmdRun.exe - "C:\ProgramData\Microsoft\Windows Defender\platform\4.18.26020.6-0\MpCmdRun.exe" -IdleTask -TaskName

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

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

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

dllhost.exe - C:\Windows\system32\DllHost.exe /Processid:{133EAC4F-5891-4D04-BADA-D84870380A80}

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

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

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

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

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

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

lsass.exe - C:\Windows\system32\lsass.exe

svchost.exe - C:\Windows\System32\svchost.exe -k wsappx -p -s ClipSVC

svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s EventSystem

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

svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s AudioEndpointBuilder

svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p -s DeviceInstall

svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p -s lmhosts

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svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s Dhcp
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s Themes
dwm.exe - "dwm.exe"
...and 20 more
```

Report ID: F8HBc6cyORyuWTtaw46PoHi2lrkw-zFrCUI-bc8X_g

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