

Analysis Report: urlhaus_18df0ec2efba.exe

Verdict: **MALICIOUS**

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

Analysis Overview

Score: 7/10

Threat level: Malicious

Malicious Activity Summary

- T1027.002
- T1497.001
- T1071.001
- Obfuscated Files or Information
- System Information Discovery
- Shared Modules
- Hijack Execution Flow: DLL Side-Loading

Hashes

SHA-256: 18df0ec2efba162d1774b1bf2233c2c24934d2bda49769e814f24d530a795c38

SHA-1: 01eadc4c72792e9f3aa96f3bff5c2f56f2a04081

MD5: eff677e44d0f001884e2982bb451d1af

Size: 3,930,624 bytes

Packer Detection

Packer: Unknown packer (high entropy in .rdata)

Confidence: medium

PE Information

Architecture: 64-bit

Type: Executable

Entry Point: 0x7FBA0

Sections: 9

Name	Virtual Size	Entropy
.text	0xDBBB1	6.27
.rdata	0x2AA1B0	7.34
.data	0x65EA8	3.43
.pdata	0x60CC	5.18

.xdata	0xA8	1.69
.idata	0x55A	4.02
.reloc	0x6050	5.41
.symtab	0x4	0.02
.rsrc	0x108E8	3.52

Imports

kernel32.dll

- WriteFile
- WriteConsoleW
- WerSetFlags
- WerGetFlags
- WaitForMultipleObjects
- WaitForSingleObject
- VirtualQuery
- VirtualFree
- VirtualAlloc
- TlsAlloc

Strings (200 found)

!This program cannot be run in DOS mode.

.text

`.rdata

@.data

.pdata

@.xdata

@.idata

.reloc

B.symtab

B.rsrc

Go build ID: "XWPlv5iaoPiT0wXamK32/P5yNDnNXSx50soDELq81/hhbvZ-hBAyKbslZXxr11/M2HMD_n2zVS1ZOKSkPat"

5K\$9

|\$XH

\\$xL

T\$`L

L\$hE

t\$0L

d\$pH

L\$pf

|\$hL

\\$EH9

L\$pH

|\$hH

t\$XH9

|\$xH)

|\$`L

\\$;f

L\$PH

T\$xH

T\$PH

t\$xH9

|\$`I
WDH)
|\$ @
t\$(D
t\$(D
v=UH
D\$ H
D\$ H
8cpu.u
|\$PH
T\$pH
D\$HL
T\$`H)
\\$ M
\\$XH
onuzH
ofu]F
fuQH
t\$@1
... and 150 more

Malware Config

C2 / Network (1)

Endpoint	Source
192.162.199.186:80	network

Indicators of Compromise (7)

URLs (1)

http://192.162.199.186/zpzp/get.php

IPv4 addresses (1)

192.162.199.186

Domains (5)

192.162.199.186
api.msn.com
assets.msn.com
www.bing.com
arc.msn.com

MITRE ATT&CK (7)

Technique	Name	Tactic	Source
T1027.002			detonation-evidence
T1497.001			detonation-evidence
T1071.001			detonation-evidence
T1027	Obfuscated Files or Information	Defense Evasion	
T1082	System Information Discovery	Discovery	
T1129	Shared Modules	Execution	
T1574.002	Hijack Execution Flow: DLL Side-	Privilege Escalation	

Dynamic Detonation

Coverage: ran
Behavior: malicious-behavior
Threat score: 70/100 (high)
Factors: c2, attack_techniques

Network Connections (9)

Destination	Domain	Proto
10.0.2.3:80		tcp
10.0.2.3:443		tcp
255.255.255.255:67		udp
10.0.2.3:53		udp
192.162.199.186:80		tcp
10.0.2.255:137		udp
224.0.0.252:5355		udp
10.0.2.255:138		udp
224.0.0.251:5353		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)
login.live.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)
www.bing.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
www.bing.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)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)

Behavioral Timeline (100)

- [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
- [conn] pid 0: udp 224.0.0.252:5355
- [conn] pid 0: udp 10.0.2.255:137
- [conn] pid 0: udp 224.0.0.252:5355
- [conn] pid 0: udp 10.0.2.3:53
- [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
- [conn] pid 0: tcp 10.0.2.3:80
- [conn] pid 0: udp 10.0.2.3:53
- [dns] pid 0: DNS 1 login.live.com -> 10.0.2.3

12. [conn] pid 0: tcp 10.0.2.3:443
13. [conn] pid 0: udp 10.0.2.3:53
14. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
15. [conn] pid 0: tcp 10.0.2.3:80
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 10.0.2.3:443
19. [conn] pid 0: tcp 10.0.2.3:80
20. [conn] pid 0: tcp 10.0.2.3:80
21. [conn] pid 0: tcp 10.0.2.3:443
22. [conn] pid 0: tcp 10.0.2.3:80
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 10.0.2.3:443

...and 75 more events

Packet capture: available (full PCAP)

Spawned Processes (50)

System

csrss.exe - %SystemRoot%\system32\csrss.exe ObjectDirectory=\Windows SharedSection=1024,20480,768 Windows=On SubSystem=

wininit.exe - wininit.exe

Registry

winlogon.exe - winlogon.exe

LogonUI.exe - "LogonUI.exe" /flags:0x2 /state0:0xa3b2c855 /state1:0x41c64e6d

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

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

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

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

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

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

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

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

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

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

fontdrvhost.ex - "fontdrvhost.exe"

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

dwm.exe - "dwm.exe"

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

NVDisplay.Cont - C:\Windows\System32\DriverStore\FileRepository\nvamig.inf_amd64_5a5c892944a7f61d\Display.NvContainer.exe

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

svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s TimeBrokerSvc

upfc.exe - C:\Windows\System32\Upfc.exe /launchtype boot /cv zab7isi3Z0W/g6ASK/wopA.0

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

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

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

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

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

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

...and 20 more