

Analysis Report: urlhaus_4b0d8aaa3f52.exe

Verdict: SUSPICIOUS

Verdict: suspicious; 62 anti-VM checks (mixed)

Analysis Overview

Score: 4/10

Threat level: Suspicious

Malicious Activity Summary

- T1027.002
- T1497.001
- T1071.001
- T1105
- Obfuscated Files or Information
- Boot or Logon Autostart Execution: Registry Run Keys

Hashes

SHA-256: 4b0d8aaa3f52f48c5c59d368bf925b4456f39162b16dba03dc328678c6208a7b
SHA-1: b09195b0e8fb7122c7cfbc9f3dadee8b1a329e2a
MD5: 8f42c066a13d5e5d023c96607d310414
Size: 286,208 bytes

Packer Detection

Packer: Unknown packer (high entropy in .text)
Confidence: medium

PE Information

Architecture: 32-bit
Type: Executable
Entry Point: 0x26E0
Sections: 1

Name	Virtual Size	Entropy
.text	0x44E00	7.99

Strings (200 found)

MZER

!This program cannot be run in DOS mode.

Rich

.text

;JPu

uiPt

k0g_

=bP5S

D\$_

9,c\$

5u?h

d^=

?5\Y

-4ZG

6>{ @

o0)f

m^5A

rJ1PB

KX9:

h|po

5Wu?

f J|"A;

"+*Qs

mK0U

`p2#

"4T{k

C6][:

b?v>q

zH%0

0KsA

VA!8

QmXs

k31'Cb[

aP{@K

;lFD

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PI!!`Y*

!P1C

: (@=?

Scq+

#+;\$

,f?;

LL9(

0+d}

vM\:

^%c`

OU#R

(;0%

tI1,

m' -jL

... and 150 more

Malware Config

Indicators of Compromise (17)

URLs (6)

http://www.bshuhd.com/yy2f/
http://www.avspd.cc/scpn/
http://www.deikos.xyz/isb9/
http://www.springcityrealty.click/y25g/
http://www.zzwksw.com/jbpt/
http://www.en-en-neuropan.com/9fn3/

Domains (10)

www.bshuhd.com
www.avspd.cc
www.deikos.xyz
www.springcityrealty.click
www.zzwksw.com
www.en-en-neuropan.com
assets.msn.com
www.bing.com
config.edge.skype.com
edge-consumer-static.azureedge.net

File paths (1)

x:\}

MITRE ATT&CK (6)

Technique	Name	Tactic	Source
T1027.002			detonation-evidence
T1497.001			detonation-evidence
T1071.001			detonation-evidence
T1105			detonation-evidence
T1027	Obfuscated Files or Information	Defense Evasion	
T1547.001	Boot or Logon Autostart Executio	Persistence	behavioral_inference

Dynamic Detonation

Coverage: ran
Behavior: suspicious
Threat score: 40/100 (medium)
Factors: c2, attack_techniques

Network Connections (8)

Destination	Domain	Proto
10.0.2.3:80		tcp
10.0.2.3:53		udp
10.0.2.3:443		tcp
224.0.0.252:5355		udp
10.0.2.255:137		udp
224.0.0.251:5353		udp
10.0.2.255:138		udp
255.255.255.255:67		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)
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)
assets.msn.com (tlsstate: deadline exceeded)
functional.events.data.microsoft.com (remote error: tls: unknown certificate)
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)

```
1. [conn] pid 0: udp 255.255.255.255:67
2. [conn] pid 0: udp 224.0.0.251:5353
3. [conn] pid 0: udp 224.0.0.252:5355
4. [conn] pid 0: udp 10.0.2.3:53
5. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
6. [conn] pid 0: tcp 10.0.2.3:80
7. [conn] pid 0: udp 10.0.2.255:137
8. [conn] pid 0: tcp 10.0.2.3:80
9. [conn] pid 0: tcp 10.0.2.3:80
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 assets.msn.com -> 10.0.2.3
13. [conn] pid 0: tcp 10.0.2.3:443
14. [conn] pid 0: tcp 10.0.2.3:443
15. [conn] pid 0: udp 10.0.2.3:53
16. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
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 10.0.2.3:80
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 10.0.2.3:80
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 10.0.2.3:80
```

...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
smss.exe
winlogon.exe - winlogon.exe
wininit.exe - wininit.exe
csrss.exe - %SystemRoot%\system32\csrss.exe ObjectDirectory=\Windows SharedSection=1024,20480,768 Windows=0n SubSystem=0x00000000
smss.exe - \SystemRoot\System32\smss.exe
StartMenuExper - "C:\Windows\SystemApps\Microsoft.Windows.StartMenuExperienceHost_cw5n1h2txyewy\StartMenuExperienceHost.exe"
svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s NcbService
dllhost.exe - C:\Windows\system32\DllHost.exe /Processid:{133EAC4F-5891-4D04-BADA-D84870380A80}
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" --single-argument http://www.msftconnect
svchost.exe - C:\Windows\system32\svchost.exe -k appmodel -p -s camsvc
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=crashpad-handler "--user-data-dir=C:\Program Files (x86)\Microsoft\Edge\User Data\Default"
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=storage
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
mobsync.exe - C:\Windows\System32\mobsync.exe -Embedding
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p
upfc.exe - C:\Windows\System32\Upfc.exe /launchtype boot /cv R+K5+6kxHUW9R9biL103Uw.0
NVDDisplay.Cont - C:\Windows\System32\DriverStore\FileRepository\nvamig.inf_amd64_5a5c892944a7f61d\Display.NvContainer.exe
svchost.exe - C:\Windows\System32\svchost.exe -k LocalService -p -s netprofm
services.exe - C:\Windows\system32\services.exe
svchost.exe - C:\Windows\system32\svchost.exe -k NetworkService -p -s Dnscache
taskhostw.exe - taskhostw.exe ExploitGuardPolicy
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s SENS
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s Themes
...and 20 more

Report ID: k4zCvQufWxjhpOxgb52P6G2Lav4J2gRypznqixJgcUM

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