

Analysis Report: urlhaus_23a856800376.exe

Verdict: **SUSPICIOUS**

Verdict: suspicious; 277 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
- Process Injection
- Boot or Logon Autostart Execution: Registry Run Keys

Hashes

SHA-256: 23a8568003768b2f4e2fc3bd47a6d6d054c11ce622737d27df4c4f1bb0c28146

SHA-1: 11af95f07370e84620ebb8d0fec9a1920035bf3f7

MD5: e21fe731e011bcf0a181f2c894da220b

Size: 284,160 bytes

Packer Detection

Packer: Unknown packer (high entropy in .text)

Confidence: medium

PE Information

Architecture: 32-bit

Type: Executable

Entry Point: 0x26C0

Sections: 1

Name	Virtual Size	Entropy
.text	0x44600	7.99

Strings (200 found)

!This program cannot be run in DOS mode.

Rich

.text

;Pau

Pt;Q<sD

Jt;H<

Jt;H,

xF_^

@c76U

>W}.a

3IU8

R8J9

e2 H\$

n/^p

4#n5

PsD!

+Z Z

,][n

N`tu>X

z)6

H:hT

#P>/

F31T

K|.wI+

{ }X4

x0U1

XIhg

f5AI

\hr2

KT)C^

>Bib

tM@4

cib1

(+FU`@

[gjl

UHnE

IN:XZP

ZYsN'

q1{I

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5Ez3

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[\$J!

t/2\H

_H=J

Lf3Y

QlxDX'Q\$

... and 150 more

Malware Config

C2 / Network (5)

Endpoint	Source
api.msn.com	decrypted_c2
assets.msn.com	decrypted_c2
config.edge.skype.com	decrypted_c2
displaycatalog.mp.microsoft.com	decrypted_c2
www.bing.com	decrypted_c2

Indicators of Compromise (21)

URLs (8)

- http://www.030085435.xyz/rm3c/
- http://www.ferraz-shawmut.ru/2jt4/
- http://www.ydh7444333a10.shop/u6bf/
- http://www.bsxdj.vip/2b55/
- http://www.goexpress20.com/7oyw/
- http://www.arwaterfowlstudio.com/rfr2/
- http://www.lumberpa.com/w3hj/
- http://www.kosmulska.org/o6rq/

Domains (13)

- www.030085435.xyz
- www.ferraz-shawmut.ru
- www.ydh7444333a10.shop
- www.bsxdj.vip
- www.goexpress20.com
- www.arwaterfowlstudio.com
- www.lumberpa.com
- www.kosmulska.org
- assets.msn.com
- www.bing.com
- api.msn.com
- config.edge.skype.com
- edge-consumer-static.azureedge.net

MITRE ATT&CK (7)

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	
T1055	Process Injection		pt_trace
T1547.001	Boot or Logon Autostart Executio	Persistence	behavioral_inference

Per-Process ATT&CK Attribution (1)

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

				Process
NVDisplay.Cont	1212	852	T1055	

Dynamic Detonation

Coverage: ran
Behavior: suspicious
Threat score: 45/100 (medium)
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
224.0.0.252:5355		udp
255.255.255.255:67		udp
224.0.0.251:5353		udp
10.0.2.255:137		udp
169.254.255.255:137		udp
10.0.2.255:138		udp

TLS Handshake Failures (cert-pinning) (50)

assets.msn.com (tlsstate: deadline exceeded)
www.bing.com (remote error: tls: unknown certificate)
edge.microsoft.com (remote error: tls: unknown certificate)
edge.microsoft.com (remote error: tls: unknown certificate)
edge.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)
edge.microsoft.com (remote error: tls: unknown certificate)
assets.msn.com (tlsstate: deadline exceeded)
assets.msn.com (tlsstate: deadline exceeded)
www.bing.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)
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 169.254.255.255:137
- 4. [conn] pid 0: udp 255.255.255.255:67
- 5. [conn] pid 0: udp 224.0.0.251:5353
- 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 224.0.0.252:5355

```
12. [conn] pid 0: tcp 10.0.2.3:80
13. [conn] pid 0: tcp 10.0.2.3:80
14. [conn] pid 0: udp 10.0.2.3:53
15. [dns] pid 0: DNS 1 assets.msn.com -> 10.0.2.3
16. [conn] pid 0: tcp 10.0.2.3:443
17. [conn] pid 0: tcp 10.0.2.3:443
18. [conn] pid 0: udp 10.0.2.3:53
19. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
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
fontdrvhost.exe - "fontdrvhost.exe"
smss.exe - \SystemRoot\System32\smss.exe
svchost.exe - C:\Windows\System32\svchost.exe -k LocalService -p -s LicenseManager
svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s NcbService
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
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s DsmSvc
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s Themes
lsass.exe - C:\Windows\system32\lsass.exe
dwm.exe - "dwm.exe"
svchost.exe - C:\Windows\system32\svchost.exe -k NetworkService -p -s CryptSvc
svchost.exe - C:\Windows\System32\svchost.exe -k wsappx -p -s ClipSVC
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s gpsvc
svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p -s DeviceInstall
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s TimeBrokerSvc
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s Dhcp
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s FontCache
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s EventSystem
LogonUI.exe - "LogonUI.exe" /flags:0x2 /state0:0xa3b2c855 /state1:0x41c64e6d
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s SENS
NVDIspay.Cont - C:\Windows\System32\DriverStore\FileRepository\nvamig.inf_amd64_5a5c892944a7f61d\Display.NvContainer.exe
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s ShellHWDetection
taskhostw.exe - taskhostw.exe ExploitGuardPolicy
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p -s lmhosts
upfcd.exe - C:\Windows\System32\Upfcd.exe /launchtype boot /cv ONnFsLN8xUmRmcl7ptfNyw.0
svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -s WPDBusEnum
svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p
```

...and 20 more

