

## Analysis Report: urlhaus\_155d1dce8e17.exe

**Verdict: MALICIOUS**

Verdict: suspicious; 81 anti-VM checks (mixed)

### Analysis Overview

**Score: 7/10**

**Threat level: Malicious**

#### Malicious Activity Summary

- T1497.001
- T1071.001
- T1105
- T1571
- Process Injection
- Input Capture: Keylogging
- Web Service
- Data Encrypted for Impact
- Service Stop
- Credentials from Password Stores: Credentials from Web Browsers
- Scheduled Task/Job: Scheduled Task
- Boot or Logon Autostart Execution: Registry Run Keys

### Hashes

**SHA-256:** 155d1dce8e17b107b531b80b648f1a3fcbcbcd764d76a39b0b3972d9424dd2f7  
**SHA-1:** ff5db489782f10217946f75450803f6c835108c5  
**MD5:** 0268fde13e99c555ed4a4c6ef193b9ea  
**Size:** 3,425,280 bytes

### Packer Detection

No packer detected.

### PE Information

**Architecture:** 32-bit  
**Type:** Executable  
**Entry Point:** 0x3379EE  
**Sections:** 3

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

|        |          |      |
|--------|----------|------|
| .text  | 0x3359F4 | 5.84 |
| .rsrc  | 0xE540   | 7.35 |
| .reloc | 0xC      | 0.1  |

## Imports

mscoree.dll

\_CorExeMain

## Strings (200 found)

!This program cannot be run in DOS mode.  
.text  
`.rsrc  
@.reloc  
nj10  
s]yx  
mt8\*  
j{Um7  
AA0V0y  
h`4bE  
30);  
7i()  
y'E}  
>F9U+  
?;eK  
@, p  
xBZB  
Xy6/>  
Z58b  
'\e(8iY  
https://github.com/LimerBoy/StormKitty  
as."0  
0|3Zw  
y{DR5  
N#5  
@SxB  
QVv}  
l=nS  
C'A34  
}t1  
p+\*1  
ek#:Y  
L[a2/A?  
{#q!  
3/f3o3K-11=G-N7VJtoz0WRr=(tNZBfK+bS7Fy  
t@IU  
;&KF!M!h8^iT:<)a?~mXeN\*~o?gN[v@rQ=B  
yfI{@2  
" : )0AN  
^B09SH  
W%UL  
sT.A

)0%q  
%-V  
p0 r  
}A+5  
@(. ,  
o+3\*[  
|}|y|u|q|m|i|e|a|]|Y|U|Q|M|I|E|A|>|<|:|8|6|4|2|0|. |,|\*|(|&|\$| "|  
)UU  
... and 150 more

## Malware Config

### C2 / Network (1)

| Endpoint           | Source  |
|--------------------|---------|
| 62.60.226.185:6002 | network |

## Indicators of Compromise (10)

### URLs (1)

http://ipinfo.io/ip

### IPv4 addresses (1)

62.60.226.185

### Domains (8)

vk.com  
ok.ru  
battle.net  
ipinfo.io  
assets.msn.com  
www.bing.com  
config.edge.skype.com  
edge-consumer-static.azureedge.net

## MITRE ATT&CK (12)

| Technique | Name                             | Tactic              | Source               |
|-----------|----------------------------------|---------------------|----------------------|
| T1497.001 |                                  |                     | detonation-evidence  |
| T1071.001 |                                  |                     | detonation-evidence  |
| T1105     |                                  |                     | detonation-evidence  |
| T1571     |                                  |                     | detonation-evidence  |
| T1055     | Process Injection                | Defense Evasion     |                      |
| T1056.001 | Input Capture: Keylogging        | Credential Access   |                      |
| T1102     | Web Service                      | Command and Control |                      |
| T1486     | Data Encrypted for Impact        | Impact              |                      |
| T1489     | Service Stop                     | Impact              |                      |
| T1555.003 | Credentials from Password Stores | Credential Access   |                      |
| T1053.005 | Scheduled Task/Job: Scheduled Ta | Persistence         | behavioral_inference |
| T1547.001 | Boot or Logon Autostart Executio | Persistence         | behavioral_inference |

## Dynamic Detonation

Coverage: ran  
Behavior: suspicious  
Threat score: 69/100 (medium)  
Factors: c2, evasion, 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   |
| 255.255.255.255:67 |        | udp   |
| 62.60.226.185:6002 |        | tcp   |
| 10.0.2.255:137     |        | udp   |
| 224.0.0.252:5355   |        | udp   |
| 224.0.0.251:5353   |        | udp   |
| 10.0.2.255:138     |        | udp   |

TLS Handshake Failures (cert-pinning) (50)

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)  
assets.msn.com (tlsstate: deadline exceeded)  
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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 10.0.2.255:137
- 5. [conn] pid 0: udp 10.0.2.3:53
- 6. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
- 7. [conn] pid 0: tcp 10.0.2.3:80
- 8. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 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: udp 10.0.2.3:53

```
14. [dns] pid 0: DNS 1 assets.msn.com -> 10.0.2.3
15. [conn] pid 0: tcp 10.0.2.3:443
16. [conn] pid 0: tcp 10.0.2.3:443
17. [conn] pid 0: udp 10.0.2.3:53
18. [dns] pid 0: DNS 1 ctldl.windowsupdate.com -> 10.0.2.3
19. [conn] pid 0: tcp 10.0.2.3:80
20. [http] pid 0: GET http://ctldl.windowsupdate.com/msdownload/update/v3/static/trustedr/en/disallowedcertstl.cab
21. [conn] pid 0: tcp 10.0.2.3:80
22. [http] pid 0: GET http://ctldl.windowsupdate.com/msdownload/update/v3/static/trustedr/en/disallowedcertstl.cab
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/authrootstl.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
svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -s WPDBusEnum
fontdrvhost.exe - "fontdrvhost.exe"
upfc.exe - C:\Windows\System32\Upfc.exe /launchtype boot /cv +KukEf1oT0+WpSqYqWslTQ.0
smss.exe - \SystemRoot\System32\smss.exe
svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s NcbService
RuntimeBroker - C:\Windows\System32\RuntimeBroker.exe -Embedding
backgroundTask - "C:\Windows\system32\backgroundTaskHost.exe" -ServerName:WindowsBackup.AppXnn6fnh4raxtmg45ba8k2f4y
svchost.exe - C:\Windows\system32\svchost.exe -k appmodel -p -s camsvc
conhost.exe - \??C:\Windows\system32\conhost.exe 0x4
cmd.exe - C:\Windows\system32\cmd.exe /c ""C:\Users\Matt.JOHNS-PC\AppData\Local\Temp\tmp8627.tmp.bat""
SearchApp.exe - "C:\Windows\SystemApps\Microsoft.Windows.Search_cw5n1h2txyewy\SearchApp.exe" -ServerName:CortanaUI.A
schtasks.exe - schtasks /create /f /sc onlogon /rl highest /tn "Wihnpup" /tr "C:\Users\Matt.JOHNS-PC\AppData\Local\Temp\tmp8627.tmp.bat"
Wihnpup.exe - "C:\Users\Matt.JOHNS-PC\AppData\Local\Temp\Wihnpup.exe"
mobsync.exe - C:\Windows\System32\mobsync.exe -Embedding
identity_helper - "C:\Program Files (x86)\Microsoft\Edge\Application\146.0.3856.109\identity_helper.exe" --type=utility
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --single-argument http://www.msftconnect
svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -p -s PcaSvc
UserOOBEBroker - C:\Windows\System32\oobe\UserOOBEBroker.exe -Embedding
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=renderer --pdf-upsell-enabled --v
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=utility --utility-sub-type=network
msedge.exe - "C:\Program Files (x86)\Microsoft\Edge\Application\msedge.exe" --type=utility --utility-sub-type=edge_s
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s Appinfo
svchost.exe - C:\Windows\System32\svchost.exe -k netsvcs -p -s BDESVC
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s Dhcp
```

...and 20 more