

## Analysis Report: urlhaus\_e64e855c04b0.exe

Verdict: **MALICIOUS**

Verdict: suspicious; 40 anti-VM checks (mixed)

### Analysis Overview

**Score: 4/10**

**Threat level: Malicious**

#### Malicious Activity Summary

- T1027.002
- T1497.001
- T1105
- Obfuscated Files or Information
- Input Capture: Keylogging
- Application Layer Protocol: Web Protocols
- Credentials from Password Stores: Credentials from Web Browsers
- Process Injection
- File and Directory Discovery
- Boot or Logon Autostart Execution: Registry Run Keys

### Hashes

|          |                                                                  |
|----------|------------------------------------------------------------------|
| SHA-256: | e64e855c04b00a3e61fe91eee9999817d273a2c4f9fef5cb9f2d3e6e3ff4fb56 |
| SHA-1:   | 969b0ee6c555222c5831c4f84b6e346e93819e31                         |
| MD5:     | be3f5461bd6614268faac9e7d68cd746                                 |
| Size:    | 320,000 bytes                                                    |

### Packer Detection

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

### PE Information

|               |            |
|---------------|------------|
| Architecture: | 32-bit     |
| Type:         | Executable |
| Entry Point:  | 0x4F5CE    |
| Sections:     | 3          |

| Name  | Virtual Size | Entropy |
|-------|--------------|---------|
| .text | 0x4D5D4      | 7.3     |

|        |       |      |
|--------|-------|------|
| .rsrc  | 0x71C | 3.85 |
| .reloc | 0xC   | 0.1  |

## Imports

mscoree.dll

  \_CorExeMain

## Strings (200 found)

!This program cannot be run in DOS mode.  
.text  
`.rsrc  
.reloc  
  KDBM(?  
?\_d  
  vT2  
f\_`X  
f`aX  
\_b`\*  
prVR  
prVR  
XjXo  
jaU  
JjY(  
k?e=  
vImX  
JjY(  
p?!"  
JjY(  
ZjXs  
jY<U  
rr;V  
rr\_V  
rr?W  
BSJB  
v4.0.30319  
#Strings  
#GUID  
#Blob  
-  3  
\*#3  
0#3  
-%9%  
n'~'  
UDbD  
UY9%  
kY9%  
EZRZ  
\_`9%  
Jlg1  
I=!V  
I=!V

I=!V  
I=!V  
I=!V  
I=!V  
I=!V  
I=!V  
I=!V  
... and 150 more

Indicators of Compromise (9)

URLs (2)

http://ip-api.com/line/?fields=hosting  
https://account.dyn.com/

Domains (7)

ftp.anmarinee.it.com  
anmarinee.it.com  
ip-api.com  
account.dyn.com  
privateinternetaccess.com  
paltalk.com  
discord.com

MITRE ATT&CK (10)

| Technique | Name                             | Tactic              | Source               |
|-----------|----------------------------------|---------------------|----------------------|
| T1027.002 |                                  |                     | detonation-evidence  |
| T1497.001 |                                  |                     | detonation-evidence  |
| T1105     |                                  |                     | detonation-evidence  |
| T1027     | Obfuscated Files or Information  | Defense Evasion     |                      |
| T1056.001 | Input Capture: Keylogging        | Credential Access   |                      |
| T1071.001 | Application Layer Protocol: Web  | Command and Control |                      |
| T1555.003 | Credentials from Password Stores | Credential Access   |                      |
| T1055     | Process Injection                |                     | pt_trace             |
| T1083     | File and Directory Discovery     |                     | pt_trace             |
| T1547.001 | Boot or Logon Autostart Executio | Persistence         | behavioral_inference |

Per-Process ATT&CK Attribution (4)

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

|                |      |      |              | Process |
|----------------|------|------|--------------|---------|
| NVDisplay.Cont | 1192 | 1111 | T1055, T1083 |         |
| spoolsv.exe    | 2512 | 11   | T1055        |         |
| svchost.exe    | 1304 | 22   | T1057        |         |
| svchost.exe    | 756  | 14   | T1083        |         |

Dynamic Detonation

Coverage: ran  
Behavior: suspicious

Threat score: 35/100 (medium)

Factors: dropped\_exe, attack\_techniques

Network Connections (6)

| Destination        | Domain | Proto |
|--------------------|--------|-------|
| 10.0.2.3:80        |        | tcp   |
| 10.0.2.3:53        |        | udp   |
| 224.0.0.251:5353   |        | udp   |
| 224.0.0.252:5355   |        | udp   |
| 10.0.2.255:137     |        | udp   |
| 255.255.255.255:67 |        | udp   |

Behavioral Timeline (59)

- 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. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 8. [conn] pid 0: udp 10.0.2.255:137
- 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 10.0.2.3:80
- 16. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 17. [conn] pid 0: tcp 10.0.2.3:80
- 18. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 19. [conn] pid 0: udp 10.0.2.3:53
- 20. [dns] pid 0: DNS 1 www.msftconnecttest.com -> 10.0.2.3
- 21. [conn] pid 0: tcp 10.0.2.3:80
- 22. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 23. [conn] pid 0: tcp 10.0.2.3:80
- 24. [http] pid 0: GET http://www.msftconnecttest.com/connecttest.txt
- 25. [conn] pid 0: udp 10.0.2.3:53
- ...and 34 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
  - svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p -s LSM
- Registry
  - svchost.exe - C:\Windows\system32\svchost.exe -k RPCSS -p
- autochk.exe
- smss.exe - \SystemRoot\System32\smss.exe
- svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s gpsvc
- LogonUI.exe - "LogonUI.exe" /flags:0x2 /state0:0xa3b2c855 /state1:0x41c64e6d
- svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s nsi

NVDisplay.Cont - C:\Windows\System32\DriverStore\FileRepository\nvamig.inf\_amd64\_5a5c892944a7f61d\Display.NvContainer.exe  
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s Dhcp  
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s DispBrokerDesktopSvc  
services.exe - C:\Windows\system32\services.exe  
svchost.exe - C:\Windows\System32\svchost.exe -k wsappx -p -s ClipSVC  
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s ProfSvc  
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s wlidsvc  
smss.exe - \SystemRoot\System32\smss.exe 00000080 00000084  
svchost.exe - C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted -s WPDBusEnum  
svchost.exe - C:\Windows\system32\svchost.exe -k netsvcs -p -s DsmSvc  
upfc.exe - C:\Windows\System32\Upfc.exe /launchtype boot /cv E5IyUg4hFEWt+MV6P8CBig.0  
svchost.exe - C:\Windows\system32\svchost.exe -k DcomLaunch -p -s DeviceInstall  
taskhostw.exe - taskhostw.exe ExploitGuardPolicy  
svchost.exe - C:\Windows\System32\svchost.exe -k LocalService -p -s netprofm  
svchost.exe - C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted -p -s TimeBrokerSvc  
dbInstaller.exe  
svchost.exe - C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted -p -s AudioEndpointBuilder  
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p  
svchost.exe - C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted -p -s EventLog  
XtuService.exe - C:\Windows\SysWOW64\XtuService.exe  
svchost.exe - C:\Windows\system32\svchost.exe -k LocalService -p -s FontCache  
...and 20 more

Report ID: xyfkV1V-DSCvCOyKGuv6\_WfjiHDy8oY57lLmkG-LJE

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