

Malware-Traffic-Analysis.net - 2017-11-02 - Adventures with Smoke Loader

Archived: 2026-04-05 17:11:41 UTC

NOTICE:

- The zip archives on this page have been updated, and they now use the new password scheme. For the new password, see the "about" page of this website.

ASSOCIATED FILES:

- [2017-11-02-Smoke-Loader-infection-traffic.pcap.zip](#) 712.0 kB (711,971 bytes)
- [2017-11-02-Neutrino-malware-infection-traffic.pcap.zip](#) 4.4 MB (4,417,303 bytes)
- [2017-11-02-associated-malware-samples.zip](#) 1.1 MB (1,089,242 bytes)

INFECTION SUMMARY

89.38.98[.]150/sZioajaj.exe (Smoke Loader) --> Neutrino malware --> Lethic spambot infection

IMAGES

| Date/Time | Dst | port | Host | Info |
|---------------------|----------------|------|-----------------------|--|
| 2017-11-02 17:20:43 | 89.38.98.150 | 80 | 89.38.98.150 | GET /sZioajajaj.exe HTTP/1.1 |
| 2017-11-02 17:21:23 | 204.79.197.200 | 80 | www.bing.com | GET / HTTP/1.1 |
| 2017-11-02 17:21:25 | 2.21.147.140 | 80 | java.com | POST /help HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:21:29 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:21:33 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:21:36 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:21:40 | 95.100.140.60 | 80 | www.adobe.com | POST /support/main.html HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:21:41 | 80.239.245.60 | 80 | helpx.adobe.com | GET /support.html HTTP/1.1 |
| 2017-11-02 17:21:46 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:23:25 | 157.56.148.19 | 80 | msdn.microsoft.com | GET /vstudio HTTP/1.1 |
| 2017-11-02 17:23:30 | 45.77.141.25 | 80 | eeaglelifedd.com | POST /hosting20/ HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:23:30 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:23:37 | 80.239.245.16 | 80 | support.microsoft.com | POST /kb/2460049 HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:23:41 | 45.77.141.25 | 80 | eeaglelifedd.com | POST /hosting20/ HTTP/1.1 (application/x-www-form-urlencoded) |
| 2017-11-02 17:23:42 | 45.77.141.25 | 80 | eeaglelifedd.com | POST /hosting20/ HTTP/1.1 (application/x-www-form-urlencoded) |

Shown above: Smoke Loader infection traffic filtered in Wireshark.

Smoke Loader alerts

RealTime Events | Escalated Events

| ST | CNT | Date/Time | Src IP | SPort | Dst IP | DPort | Pr | Event Message |
|----|-----|---------------|--------------|-------|-----------------|-------|----|---|
| RT | 1 | 2017-11-02... | 10.11.2.101 | 49410 | 89.38.98.150 | 80 | 6 | ET POLICY exe download via HTTP - Informational |
| RT | 1 | 2017-11-02... | 10.11.2.101 | 49410 | 89.38.98.150 | 80 | 6 | ET INFO Executable Download from dotted-quad Host |
| RT | 2 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.101 | 49410 | 6 | ET POLICY PE EXE or DLL Windows file download |
| RT | 2 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.101 | 49410 | 6 | ET POLICY Binary Download Smaller than 1 MB Likely Hostile |
| RT | 28 | 2017-11-02... | 10.11.2.101 | 49415 | 80.239.245.16 | 80 | 6 | ET TROJAN Sharik/Smoke Loader Microsoft Connectivity check |
| RT | 2 | 2017-11-02... | 10.11.2.101 | 49418 | 95.100.140.60 | 80 | 6 | ET TROJAN Sharik/Smoke Loader Adobe Connectivity check |
| RT | 36 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.101 | 49410 | 6 | ET TROJAN VMProtect Packed Binary Inbound via HTTP - Likely Hostile |
| RT | 4 | 2017-11-02... | 10.11.2.101 | 49418 | 95.100.140.60 | 80 | 6 | ET TROJAN Sharik/Smoke Loader Adobe Connectivity Check 3 |
| RT | 8 | 2017-11-02... | 10.11.2.101 | 49429 | 213.248.116.208 | 80 | 6 | ET TROJAN Sharik/Smoke Loader Microsoft Connectivity Check |
| RT | 4 | 2017-11-02... | 10.11.2.101 | 49437 | 95.100.140.60 | 80 | 6 | ET TROJAN Sharik/Smoke Loader Adobe Connectivity Check 2 |
| RT | 3 | 2017-11-02... | 45.77.141.25 | 80 | 10.11.2.101 | 49449 | 6 | ET POLICY PE EXE or DLL Windows file download |
| RT | 2 | 2017-11-02... | 45.77.141.25 | 80 | 10.11.2.101 | 49449 | 6 | ETPRO TROJAN Smoke/Sharik HTTP 404 Containing EXE |

Shown above: Alerts from Smoke Loader infection traffic on Security Onion using Sguil with Suricata and the EmergingThreats Pro (ETPRO) ruleset.

Neutrino malware infection traffic (HTTP requests)

Filter: http.request | Expression... | Clear | Apply | Save

| Date/Time | Dst | port | Host | Info |
|---------------------|-----------------|------|---------------------------|--|
| 2017-11-02 19:21:14 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:21:24 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:21:28 | 89.38.98.150 | 80 | 89.38.98.150 | GET /85cZioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:21:34 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:21:38 | 89.38.98.150 | 80 | 89.38.98.150 | GET /17Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:21:42 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:21:48 | 89.38.98.150 | 80 | 89.38.98.150 | GET /74Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:21:53 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:21:58 | 89.38.98.150 | 80 | 89.38.98.150 | GET /121Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:22:05 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:22:08 | 89.38.98.150 | 80 | 89.38.98.150 | GET /123Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:22:14 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:22:18 | 89.38.98.150 | 80 | 89.38.98.150 | GET /226Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:22:23 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:22:28 | 89.38.98.150 | 80 | 89.38.98.150 | GET /38Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:22:32 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:22:38 | 89.38.98.150 | 80 | 89.38.98.150 | GET /161Zioajajaj.exe HTTP/1.1 |
| 2017-11-02 19:22:44 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:25:09 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:28:59 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |
| 2017-11-02 19:32:50 | 118.193.174.133 | 80 | n31.smokemenowhhalala.bit | POST /newfiz31/logout.php HTTP/1.0 (application/ |

Shown above: Neutrino malware infection traffic filtered in Wireshark.

Lethic spambot traffic in Neutrino pcap

Filter: !(tcp.port eq 80) and !(tcp.port eq 443) and tcp.flags e Expression... Clear Apply Save

| Dst | port | Info |
|----------------|------|---|
| 109.236.87.85 | 5500 | 49164-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 89.248.174.17 | 5500 | 49167-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 80.82.65.74 | 5500 | 49169-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 65.54.188.94 | 25 | 49171-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 65.55.37.120 | 25 | 49172-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 98.138.112.32 | 25 | 49174-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 98.138.112.38 | 25 | 49176-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 91.232.105.121 | 5500 | 49177-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 109.236.87.85 | 5500 | 49178-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 182.22.12.247 | 25 | 49179-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 89.248.174.17 | 5500 | 49182-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 217.23.14.123 | 5500 | 49183-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 66.218.85.139 | 25 | 49184-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 66.196.118.240 | 25 | 49187-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 93.190.137.226 | 5500 | 49188-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 182.22.12.247 | 25 | 49189-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 104.44.194.237 | 25 | 49191-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 217.23.15.38 | 6600 | 49193-mshvln [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 109.236.87.85 | 5500 | 49194-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 133.139.20.60 | 25 | 49195-smtp [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 217.23.14.123 | 5500 | 49196-fcp-addr-srvr1 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=256 SACK_PERM=1 |

Shown above: Neutrino pcap filtered to show some of the post-infection IPs/ports for Lethic spambot activity,

Neutrino malware alerts

RealTime Events Escalated Events

| ST | CNT | Date/Time | Src IP | SPort | Dst IP | DPort | Pr | Event Message |
|----|------|---------------|--------------|-------|-----------------|-------|----|--|
| RT | 13 | 2017-11-02... | 10.11.2.102 | 49158 | 118.193.174.133 | 80 | 6 | ETPRO TROJAN Win32/Neutrino checkin 4 |
| RT | 8 | 2017-11-02... | 10.11.2.102 | 49160 | 89.38.98.150 | 80 | 6 | ET POLICY exe download via HTTP - Informational |
| RT | 8 | 2017-11-02... | 10.11.2.102 | 49160 | 89.38.98.150 | 80 | 6 | ET INFO Executable Download from dotted-quad Host |
| RT | 16 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.102 | 49160 | 6 | ET POLICY PE EXE or DLL Windows file download |
| RT | 16 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.102 | 49160 | 6 | ET POLICY Binary Download Smaller than 1 MB Likely Hostile |
| RT | 61 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.102 | 49160 | 6 | ET INFO SUSPICIOUS Dotted Quad Host MZ Response |
| RT | 2 | 2017-11-02... | 89.38.98.150 | 80 | 10.11.2.102 | 49165 | 6 | ET SHELLCODE Possible TCP x86 JMP to CALL Shellcode Detected |
| RT | 27 | 2017-11-02... | 10.11.2.102 | 57216 | 10.11.1.1 | 53 | 17 | ET CURRENT_EVENTS DNS Query Domain .bit |
| RT | 41 | 2017-11-02... | 10.11.2.102 | 49169 | 80.82.65.74 | 5500 | 6 | ET TROJAN Lethic Spambot CnC Initial Connect Bot Response |
| RT | 85 | 2017-11-02... | 10.11.2.102 | 49169 | 80.82.65.74 | 5500 | 6 | ET TROJAN Lethic Spambot CnC Bot Command Confirmation |
| RT | 6 | 2017-11-02... | 10.11.2.102 | 49169 | 80.82.65.74 | 5500 | 6 | ET TROJAN Lethic - Client Alive |
| RT | 1869 | 2017-11-02... | 10.11.2.102 | 49169 | 80.82.65.74 | 5500 | 6 | ET TROJAN Lethic Spambot CnC Bot Transaction Relay |

Shown above: Alerts from the Neutrino & Lethic spambot traffic on Security Onion using Sguil with Suricata and the EmergingThreats Pro (ETPRO) ruleset.

Stream Content Follow TCP Stream (tcp.stream eq 11)

```
.W.....W.....DATA
.W.....W.....*.354 Go ahead p6si4231872pgf.676 - gsmtip
.W.....W.....Message-ID: <CEGRNBBZAKEKSQUKRGJZR@outlook.com>
From: "=Trusted.Meds=" <hlaehdkkgie@outlook.com>
Reply-To: "VIAGRA & CIALIS" <hlaehdkkgie@outlook.com>
To: <@>
Subject: Your Order is Ready
Date: Thu, 02 Nov 2017 20:24:27 -0-100
MIME-Version: 1.0
Content-Type: multipart/alternative;
.boundary="--1854423463276762"
X-Priority: 1
X-MSMail-Priority: #PRIORITY_STRING

----1854423463276762
Content-Type: text/plain;;
Content-Transfer-Encoding: quoted-printable

** Our Bestsellers! **

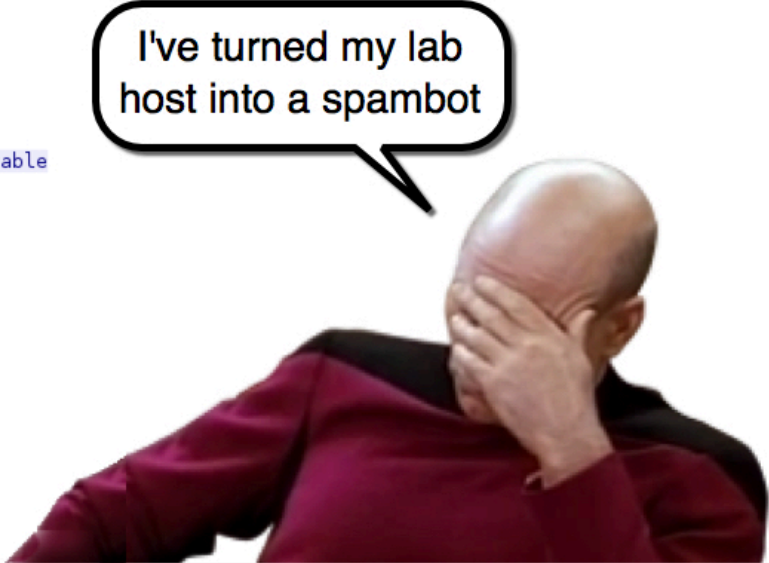
Vigara- $0.84
Levtira- $1.90
Cilais- $1.84
Female Vigara- $1.95
Family Pack- $2.34
Professional Pack- $3.63

and more ...

http://t.cn/RwpeFOP

02NKrf
....1854423463276762..
```

| Date/Time | Dst | port |
|------------------|-------------|------|
| 2017-11-02 19:22 | 80.82.65.74 | 5500 |



Shown above: TCP stream of Lethic spambot traffic.

DETAILS

NOTES:

- Saw a malicious HTTP request to 89.38.98[.]150 led to Sharik/Smoke Loader.
- When I tested it in my lab, it retrieved Neutrino malware, which then retrieved Lethic spambot malware.
- About an hour I tried this, 89.38.98[.]150/sZioajajaj.exe returned a different file hash that was still Sharik/Smoke Loader.

DOMAINS OR URLS TO BLOCK:

- hxxp[:]//89.38.98[.]150/sZioajajaj.exe
- hxxp[:]//89.38.98[.]150/85cZioajajaj.exe
- hxxp[:]//89.38.98[.]150/17Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/74Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/121Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/123Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/226Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/38Zioajajaj.exe
- hxxp[:]//89.38.98[.]150/161Zioajajaj.exe
- eeaglelifedd.com
- n31.smokemenowhhalala.bit

INITIAL MALWARE - SHARIK/SMOKE LOADER:

- SHA256 hash: 6401c4de903ec06a5493adf7a9dd45e123c9ce3033b44e1083e10bc5709c3964
File size: 122,880 bytes
Online location: 89.38.98[.]150/sZioajajaj.exe
On infected host at: C:\Users\[username]\AppData\Roaming\Microsoft\ujwbersj\gresctab.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: 035f394168da1c15cf98792f12b0292fefdb7dd29538c3b1e019d2fb09d3dfa6
File size: 118,272 bytes
Online location: 89.38.98[.]150/sZioajajaj.exe
On infected host at: C:\Users\[username]\AppData\Roaming\Microsoft\ujwbersj\gresctab.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run

SHARIK/SMOKE LOADER TRAFFIC:

Start date/time: 2017-11-02 at 17:20 UTC

- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /sZioajajaj.exe
- www.bing[.]com - GET /
- java[.]com - POST /help
- java[.]com - GET /en/download/help/index.html
- java[.]com - GET /en/download/help/
- support.microsoft[.]com - POST /kb/2460049
- www.adobe[.]com - POST /
- www.adobe[.]com - POST /go/flashplayer_support/
- www.adobe[.]com - POST /support/flashplayer
- www.adobe[.]com - POST /support/main.html
- helpx.adobe[.]com - GET /flash-player.html
- helpx.adobe[.]com - GET /support.html
- go.microsoft[.]com - POST /fwlink/?LinkId=133405
- go.microsoft[.]com - POST /fwlink/?LinkId=164164
- msdn.microsoft[.]com - GET /vstudio
- www.microsoft[.]com - GET /
- 45.77.141[.]25 port 80 - eeaglelifedd[.]com - POST /hosting20/

ASSOCIATED EMERGING THREATS (ET) AND ETPRO ALERTS:

- ET TROJAN Sharik/Smoke Loader Microsoft Connectivity Check
- ET TROJAN Sharik/Smoke Loader Adobe Connectivity Check
- ET TROJAN Sharik/Smoke Loader Adobe Connectivity Check 2
- ET TROJAN Sharik/Smoke Loader Adobe Connectivity Check 3
- ETPRO TROJAN Smoke/Sharik HTTP 404 Containing EXE

FOLLOW-UP MALWARE - NEUTRINO MALWARE:

- SHA256 hash: 517e92c585449b75d6b8a5e5f00323fb5f3b125972cd1442b1251ca7087107fc
File size: 255,488 bytes
File returned from HTTP POST to: eeaglelifedd[.]com/hosting20/
On infected host at: C:\Users\[username]\AppData\Roaming\Xl5jVVxcVWIx\jevgr.exe

NEUTRINO MALWARE INFECTION TRAFFIC:

- DNS queries for ns.dotbit[.]me - resolved to 107.161.16[.]236
- 107.161.16[.]236 port 53 - DNS queries (UDP) for n31.smokemenowhhalala[.]bit
- 118.193.174[.]133 port 80 - n31.smokemenowhhalala[.]bit - POST /newfiz31/logout.php
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /85cZioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /17Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /74Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /121Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /123Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /226Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /38Zioajajaj.exe
- 89.38.98[.]150 port 80 - 89.38.98[.]150 - GET /161Zioajajaj.exe

ASSOCIATED EMERGING THREATS (ET) AND ETPRO ALERTS:

- ETPRO TROJAN Win32/Neutrino checkin 4 (118.193.174[.]133 port 80)

FOLLOW-UP MALWARE FROM NEUTRINO MALWARE INFECTION - ALL LETHIC SPAMBOT MALWARE BINARIES:

- SHA256 hash: e324c63717a4c2011fde7d1af0d8dbe8ddb0897fe4e7f80f3147a7498e2166fe
File size: 185,344 bytes
Location: 89.38.98[.]150/161Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-196818750\backwindow32.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: f55be01c217b2ec9be0aa45a007661adb1365a9651e306329679a6ba2d5b119d
File size: 192,512 bytes
Location: 89.38.98[.]150/85cZioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-196818750\backwindow132.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: 701a2461d31b1a717fc9dad4fd61458c3484836bb89b4c72c0841ce9b3948d52
File size: 186,880 bytes
Location: 89.38.98[.]150/17Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-196818750\backwindow232.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: eacbc0588d0e8fc22daf80479598cfb49a6bdc7155efd2bd3c24740a22716d17
File size: 191,488 bytes

Location: 89.38.98[.]150/74Zioajajaj.exe

Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-1968138750\backwindow332.exe

Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run

- SHA256 hash: 8b57e7424e305a87cb55ff69c1454855341e5b138cec648b3b3a96df53d1076a
File size: 186,368 bytes
Location: 89.38.98[.]150/121Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-1968138750\backwindow432.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: f3eadfd04bdf3615afb5f4b9b3b7386579846a834a389585cbb6e6a3c7640ca3
File size: 188,928 bytes
Location: 89.38.98[.]150/123Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-1968138750\backwindow532.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: 2de7e6763fd895757e4504e72389a8aee9f2f63f651d02efc22b1865bbd4f1b0
File size: 193,024 bytes
Location: 89.38.98[.]150/226Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-1968138750\backwindow632.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run
- SHA256 hash: b7137c65b7c8884329c252d14fe32d4ffa96fd1a9886f895b39b1d3419c01895
File size: 187,392 bytes
Location: 89.38.98[.]150/38Zioajajaj.exe
Location: C:\RECYCLER\S-1-5-21-0243556031-888888379-781862338-1968152800\systemwindow32.exe
Associated Windows registry update: HKCU\Software\Microsoft\Windows\CurrentVersion\Run

LETHIC SPAMBOT INFECTION TRAFFIC:

- Various IP addresses over TCP port 25 - attempted SMTP traffic
- Various IP addresses over TCP port 25, 5500, 6600, and 7700 - SMTP and similar spambot traffic
- Possibly other IP addresses over similar ports that didn't establish a full TCP connection

ASSOCIATED EMERGING THREATS (ET) AND ETPRO ALERTS:

- ET TROJAN Lethic Spambot CnC Initial Connect Bot Response
- ET TROJAN Lethic Spambot CnC Bot Command Confirmation
- ET TROJAN Lethic Spambot CnC Bot Transaction Relay
- ET TROJAN Lethic Client Alive

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Source: <http://www.malware-traffic-analysis.net/2017/11/02/index.html>