

# Malware-Traffic-Analysis.net - 2017-04-03 - Ursnif and Pushdo infection

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## 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:

- [2017-04-03-Ursnif-and-Pushdo-infection.pcap.zip](#) 9.2 MB (9,156,400 bytes)
- 2017-04-03-Ursnif-and-Pushdo-infection.pcap (10,643,014 bytes)
- [2017-04-03-Ursnif-and-Pushdo-emails-and-malware.zip](#) 685.7 kB (685,705 bytes)
- 2017-04-03-DHL-themed-malspam-0928-UTC.eml (22,764 bytes)
- 2017-04-03-DHL-themed-malspam-1117-UTC.eml (22,746 bytes)
- 2017-04-03-DHL-themed-malspam-1220-UTC.eml (22,812 bytes)
- 2017-04-03-image-themed-malspam-1357-UTC.eml (22,126 bytes)
- 2017-04-03-image-themed-malspam-1546-UTC.eml (22,646 bytes)
- 2017-04-03-image-themed-malspam-1646-UTC.eml (22,391 bytes)
- 33521.exe (353,965 bytes)
- 462137.exe (295,936 bytes)
- Balt.dll (49,152 bytes)
- Commercial\_CVS\_inv.03.04.2017.cvs.js (25,273 bytes)
- Commercial\_CVS\_inv.03.04.2017.zip (15,870 bytes)
- img-20170403-0014.jpeg.zip (15,446 bytes)
- img-20170403-0054.jpeg.js (24,464 bytes)

## NOTES:

- Saw two waves of malspam with zip attachments containing .js files that generated the same infection traffic.
- Post-infection traffic generated alerts for Ursnif and Pushdo.

## EMAIL

**commercial invoice - customer 4364201038 102642523877**

From: BGYHUBIMPORTS@DHL.COM

Sent: Mon, Apr 3, 2017 at 09:27

To: [REDACTED]

Cc: [REDACTED]

 [Commercial\\_CVS\\_inv.03.04.2017.zip](#) (21.2 KB)

Attached notice amount customs charges

Dear Customer,  
Attached your invoice in PDF format, dated 03/04/2017 and csv files for shipments and services provided by DHL Express.

You can also display the details of his account and the historical invoices online.

In case of substantial problems in the Annex, contact support at: [support@dhl.com](mailto:support@dhl.com)

We expect to receive payment within the prescribed period, as indicated on the invoice.

We send our thanks for having taken advantage of DHL Express services.

Best regards,

DHL Express

*Shown above: Screen shot of an email from the first wave.*

**photo 08**

From: marco.desiderio@cogug.com

Sent: Mon, Apr 3, 2017 at 13:57

To: [REDACTED]

 [img-20170403-0089.jpeg.zip](#) (20.7 KB)

Rose Brown  
Sent from my HTC

*Shown above: Screen shot of an email from the second wave.*

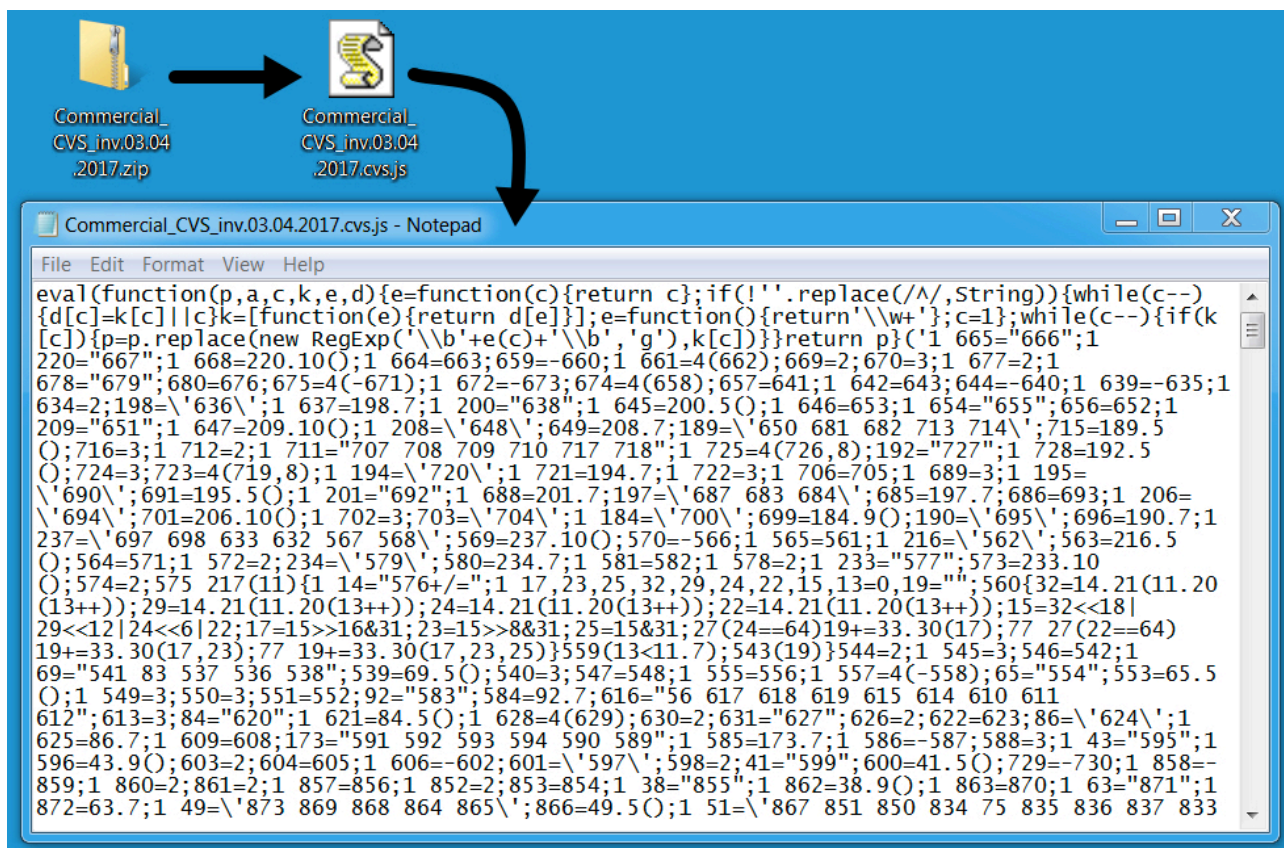
EMAIL HEADERS - FIRST WAVE:

- Date: Monday 2017-04-03 at 09:27 UTC
- From: <BGYHUBIMPORTS@DHL[.]COM>
- Subject: commercial invoice - customer 4364201038 102642523877
- Attachment name: Commercial\_CVS\_inv.03.04.2017.zip
- Extracted file name: Commercial\_CVS\_inv.03.04.2017.csv.js
  
- Date: Monday 2017-04-03 at 11:17 UTC
- From: <BGYHUBIMPORTS@DHL[.]COM>
- Subject: NOTICE CUSTOMS CHARGES 0094793224 767285436700
- Attachment name: Commercial\_CVS\_inv.03.04.2017.zip
- Extracted file name: Commercial\_CVS\_inv.03.04.2017.csv.js
  
- Date: Monday 2017-04-03 at 12:20 UTC
- From: <ebillingcmfs.ddi@DHL[.]COM>
- Subject: Dhl Commercial Invoices 6807164709 856884589470
- Attachment name: Commercial\_CVS\_inv.03.04.2017.zip

- Extracted file name: Commercial\_CVS\_inv.03.04.2017.cvs.js

EMAIL HEADERS - SECOND WAVE:

- Date: Monday 2017-04-03 at 13:57 UTC
- From: marco.desiderio@cogug[.]com
- Subject: photo 08
- Attachment name: img-20170403-0089.jpeg.zip
- Extracted file name: img-20170403-0054.jpeg.js
  
- Date: Monday 2017-04-03 at 15:46 UTC
- From: direzione@nyloq[.]com
- Subject: img\_2550
- Attachment name: img-20170403-0014.jpeg.zip
- Extracted file name: img-20170403-0054.jpeg.js
  
- Date: Monday 2017-04-03 at 16:46 UTC
- From: marzia.berghella@yahoo[.]com[.]hk
- Subject: photo 2DNXAY
- Attachment name: img-20170403-0015.jpeg.zip
- Extracted file name: img-20170403-0054.jpeg.js



Shown above: Attachment taken from the malspam.

TRAFFIC

Filter: **http.request or ssl.handshake.extensions\_server\_name** Expression... Clear Apply Save Filter Filter Filter

Date/Time	Dst	port	Host	Info
2017-04-03 19:16:18	178.136.218.52	80	sillo.net	GET /1002.exe HTTP/1.1
2017-04-03 19:18:14	31.135.125.26	80	monsteradds.at	GET /x64.bin HTTP/1.1
2017-04-03 19:18:18	52.52.2.146	80	constitution.org	GET /usdeclar.txt HTTP/1.1
2017-04-03 19:18:32	86.59.21.38	443	www.7tj5jeegczg.com	Client Hello
2017-04-03 19:18:57	104.223.12.233	443	www.a7wpq7mrmniuk6y24sywvsgg.com	Client Hello
2017-04-03 19:18:57	195.154.240.145	443	www.flc3ena4catee4rr.com	Client Hello
2017-04-03 19:18:57	163.172.133.54	443	www.qzicc23gm7l.com	Client Hello
2017-04-03 19:18:57	217.160.141.52	443	www.uazgnqacnp5mch6hxlq.com	Client Hello
2017-04-03 19:18:57	79.172.193.32	443	www.o2tzt.com	Client Hello
2017-04-03 19:18:57	62.210.123.24	443	www.74xn6izwf.com	Client Hello
2017-04-03 19:18:57	46.101.183.160	443	www.fes4yjueunxdf3rv.com	Client Hello
2017-04-03 19:18:57	185.73.240.205	443	www.bi2klpuq3b7zjf5l.com	Client Hello
2017-04-03 19:18:57	185.156.173.148	443	www.r4tocezme26g.com	Client Hello
2017-04-03 19:18:57	195.123.210.38	443	www.5gulgtkxo.com	Client Hello
2017-04-03 19:22:13	188.126.94.77	443	www.ihmab73gk2xflsuaio2ur.com	Client Hello
2017-04-03 19:22:13	91.121.230.214	443	www.c2h3soyno5jbgnozqu3vsmf.com	Client Hello
2017-04-03 19:23:12	5.248.126.219	80	sillo.net	GET /30.bin HTTP/1.1
2017-04-03 19:23:14	85.25.159.65	443	www.gajtb3vaa.com	Client Hello
2017-04-03 19:23:14	164.132.209.131	443	www.4tz5sisjiw3uw.com	Client Hello
2017-04-03 19:23:20	104.25.205.31	80	www.spanesi.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:20	104.25.102.25	80	www.snugpak.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:20	95.141.36.94	80	www.t-tre.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:20	79.96.84.130	80	www.photo4b.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:20	185.51.65.164	80	www.edimart.hu	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	82.201.61.230	80	www.nelipak.nl	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	95.141.36.94	80	www.t-tre.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	79.96.84.130	80	www.photo4b.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	185.51.65.164	80	www.edimart.hu	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	82.201.61.230	80	www.nelipak.nl	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	193.77.149.5	80	www.elpro.si	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	219.122.1.240	80	www.ex-olive.com	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	85.128.201.93	80	www.abart.pl	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	193.77.149.5	80	www.elpro.si	POST / HTTP/1.1 (application/octet-stream)
2017-04-03 19:23:21	72.3.177.107	80	www.nvsports.ca	POST / HTTP/1.1 (application/octet-stream)

Shown above: Traffic from the infection filtered in Wireshark.

ASSOCIATED DOMAINS:

- 178.136.218[.]52 port 80 - **sillo[.]net** - GET /1002.exe
- 31.135.125[.]26 port 80 - **monsteradds[.]at** - GET /x64.bin -- [Ursnif module download]
- 52.52.2[.]146 port 80 - **constitution[.]org** - GET /usdeclar.txt -- [Gozi/Ursnif/Papras connectivity check]
- 5.248.126[.]219 port 80 - **sillo[.]net** - GET /30.bin -- [Zbot Generic URI/header struct .bin]
- Various IP addresses on port TCP 80 - various domains - POST / -- [Pushdo.s checkin]
- Various IP addresses on various TCP ports - various domains - Tor traffic
- Various IP addresses on various ports - attempted TCP connections and non-Tor traffic

FILE HASHES

EMAIL ATTACHMENTS:

- SHA256 hash: 1b402c3ccfe5380425023022614abc4af53369536bda9c70b3074e50484bb340  
File name: Commercial\_CVS\_inv.03.04.2017.zip

- SHA256 hash: ef3bbbbace6eeaf06c2101612d45d694f734b6759ec89b83db0e3d07ea5c49f57  
File name: img-20170403-0014.jpeg.zip  
File name: img-20170403-0015.jpeg.zip  
File name: img-20170403-0089.jpeg.zip

EXTRACTED JS FILES:

- SHA256 hash: faad4f8730db9825cfc5fd29f105a16849c83e61e836d68b2e3eff55fe0f1ec5  
File name: Commercial\_CVS\_inv.03.04.2017.cvs.js
- SHA256 hash: a62712ff422477b15e512d3d83285d61c760c468e8f8bae26a7e5f0174e57db9  
File name: img-20170403-0054.jpeg.js

FILES RETRIEVED FROM THE INFECTED HOST:

- SHA256 hash: 94380803ac48bec2ca431f968240f4444fdc3a30bd04dbc62bf099bf0ece01f8  
File location: C:\Users\[username]\AppData\Local\Temp\33521.exe  
File location: C:\Users\[username]\AppData\Roaming\Microsoft\Cmcfspex\admpptsp.exe
- SHA256 hash: d26161bc381625ade7fb51db987f2e69c244acc642911948b1507860e90fd3f9  
File location: C:\Users\[username]\AppData\Local\Temp\462137.exe  
File location: C:\Users\[username]\bsebegfabe.exe
- SHA256 hash: 7b1bcab8e3aa932c6ebac8df67d0797b0c8aaa3a7870408085341500687720a6  
File location: C:\Users\[username]\AppData\Local\Temp\Balt.dll

IMAGES

ST	CNT	Date/Time	Src IP	SPort	Dst IP	DPort	Pr	Event Message
RT	1	2017-04-03...	10.4.3.102	49158	178.136.218.52	80	6	ET POLICY exe download without User Agent
RT	1	2017-04-03...	10.4.3.102	49158	178.136.218.52	80	6	ET POLICY exe download via HTTP - Informational
RT	2	2017-04-03...	178.136.218.52	80	10.4.3.102	49158	6	ET POLICY PE EXE or DLL Windows file download
RT	2	2017-04-03...	178.136.218.52	80	10.4.3.102	49158	6	ET POLICY Binary Download Smaller than 1 MB Likely Hostile
RT	1	2017-04-03...	10.4.3.102	49159	31.135.125.26	80	6	ETPRO TROJAN Ursnif Module Download
RT	2	2017-04-03...	10.4.3.102	54723	208.67.222.222	53	17	ET POLICY OpenDNS IP Lookup
RT	1	2017-04-03...	10.4.3.102	49160	52.52.2.146	80	6	ET TROJAN Gozi/Ursnif/Papras Connectivity Check
RT	1	2017-04-03...	10.4.3.102	49328	5.248.126.219	80	6	ET CURRENT_EVENTS Zbot Generic URI/Header Struct .bin
RT	113	2017-04-03...	10.4.3.102	49336	104.25.205.31	80	6	ET TROJAN Backdoor.Win32.Pushdo.s Checkin
RT	1	2017-04-03...	10.4.3.102	49336	104.25.205.31	80	6	ET POLICY Internet Explorer 6 in use - Significant Security Risk
RT	1	2017-04-03...	10.4.3.102	49358	95.211.174.92	80	6	ET CNC Ransomware Tracker Reported CnC Server group 198
RT	1	2017-04-03...	10.4.3.102	49392	193.166.255.171	80	6	ET TROJAN Connection to Fitsec Sinkhole IP (Possible Infected Host)

Shown above: Some alerts on the traffic from the [Emerging Threats Pro \(ETPRO\)](#) rulesets using Squil on [Security Onion](#).

[Click here](#) to return to the main page.

Source: <http://malware-traffic-analysis.net/2017/04/03/index2.html>