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Exploit Kits, Malware ROI and the Shift in Attack Vectors

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Agenda

- The Exploit Kits market, trends and more
- Costs and potential revenues
- Shift in attack vectors
- Supply chain, miners and Ransomware
- Detection and mitigation

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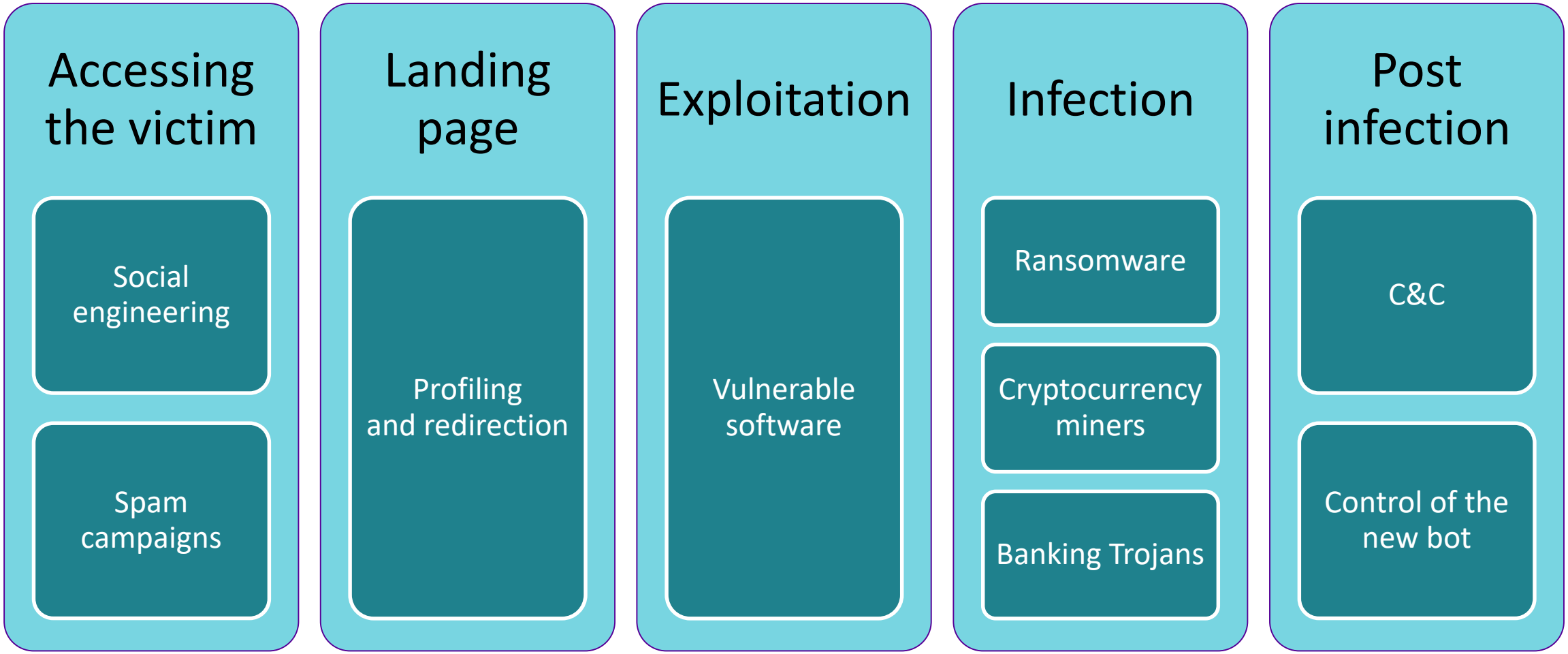
What is an exploit kit and how does it work?

What is an Exploit Kit?

- A toolkit used to exploit client side vulnerabilities of commonly used software and the browsers who run them
  - Flash
  - Java
  - Silverlight etc.
- Ability to deliver any malicious payload to victim's machine
  - Ransomware
  - Cryptocurrency miners
  - Banking Trojans etc.
- Control panel

How does it work?



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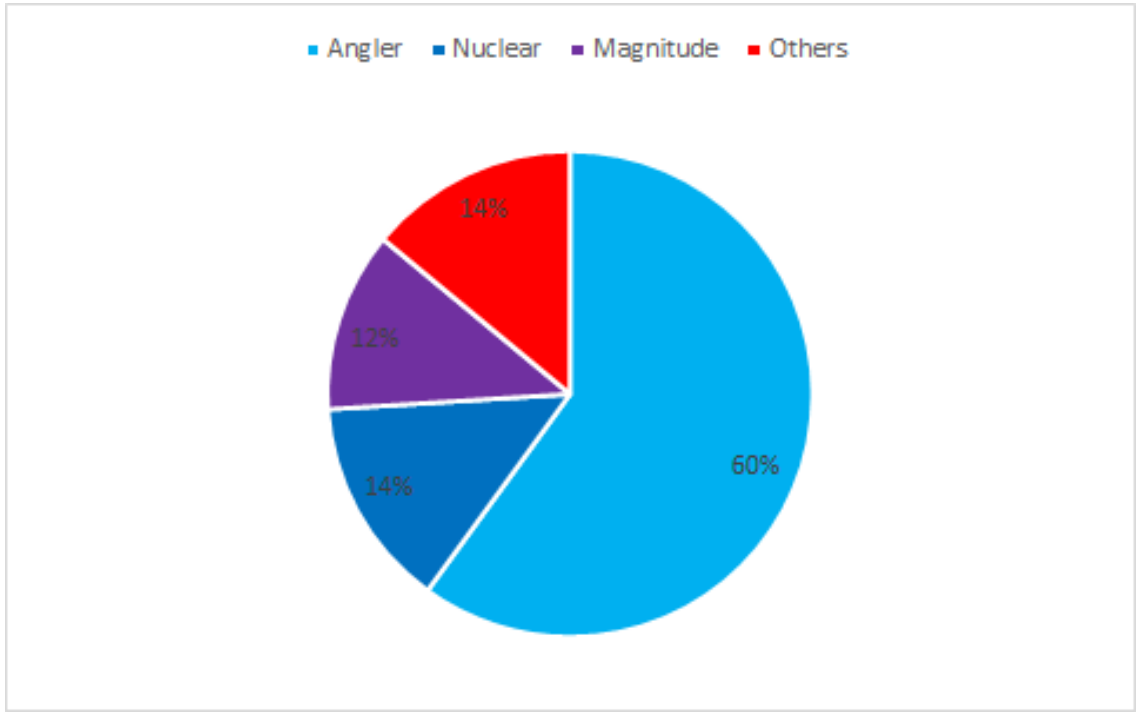
Exploit kits market in recent years

EK History

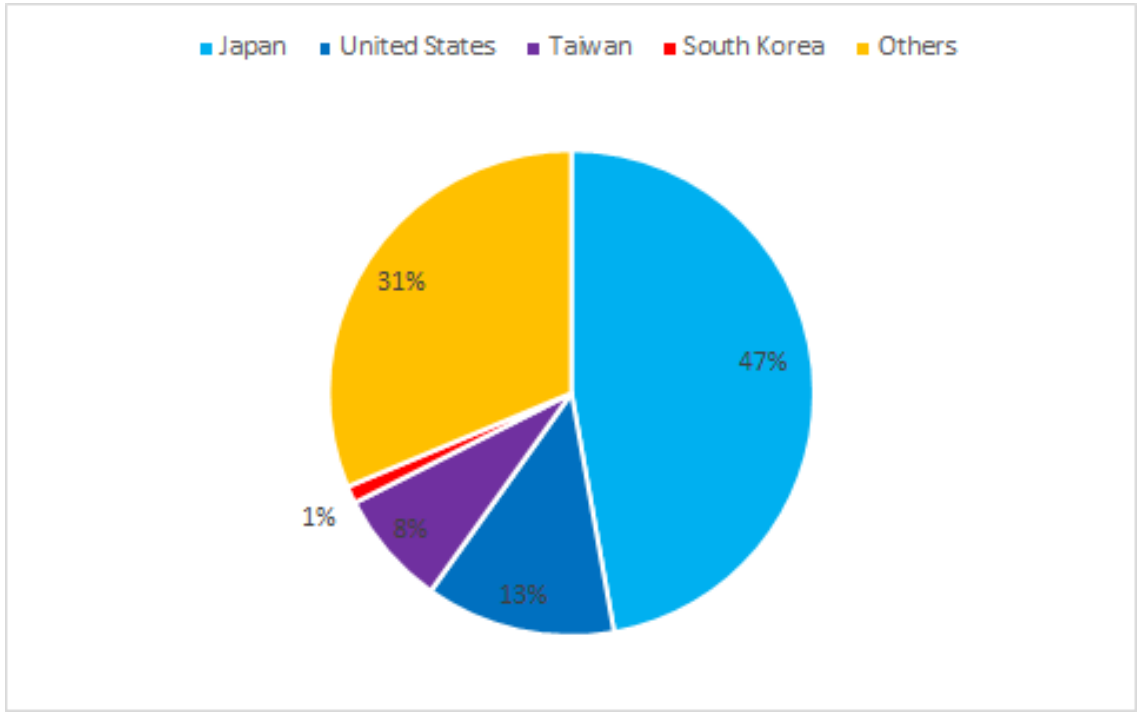
- First one seen in 2006, sold for $20 with tech-support
- SaaS
- ~10K$ per month

EK History

Market share in 2015 by family



Most affected countries in 2016



TrendMicro

2017

- RIG is the most popular EK
- No “classic” Sundown EK anymore - Now GreenFlash Sundown
- Magnitude EK - Still focuses on South Korea
- Shift from Ransomware to cryptocurrency miners

2018

- In overall less popular, and less development of new Exploit Kits
- RIG, Magnitude, and more sophisticated GreenFlash Sundown
- Grandsoft EK delivers Ursnif/Gozi banking Trojan
- Awakening from March 2018 due to new RCE vulnerabilities in VBScript and Flash

Malwarebytes

Use Case

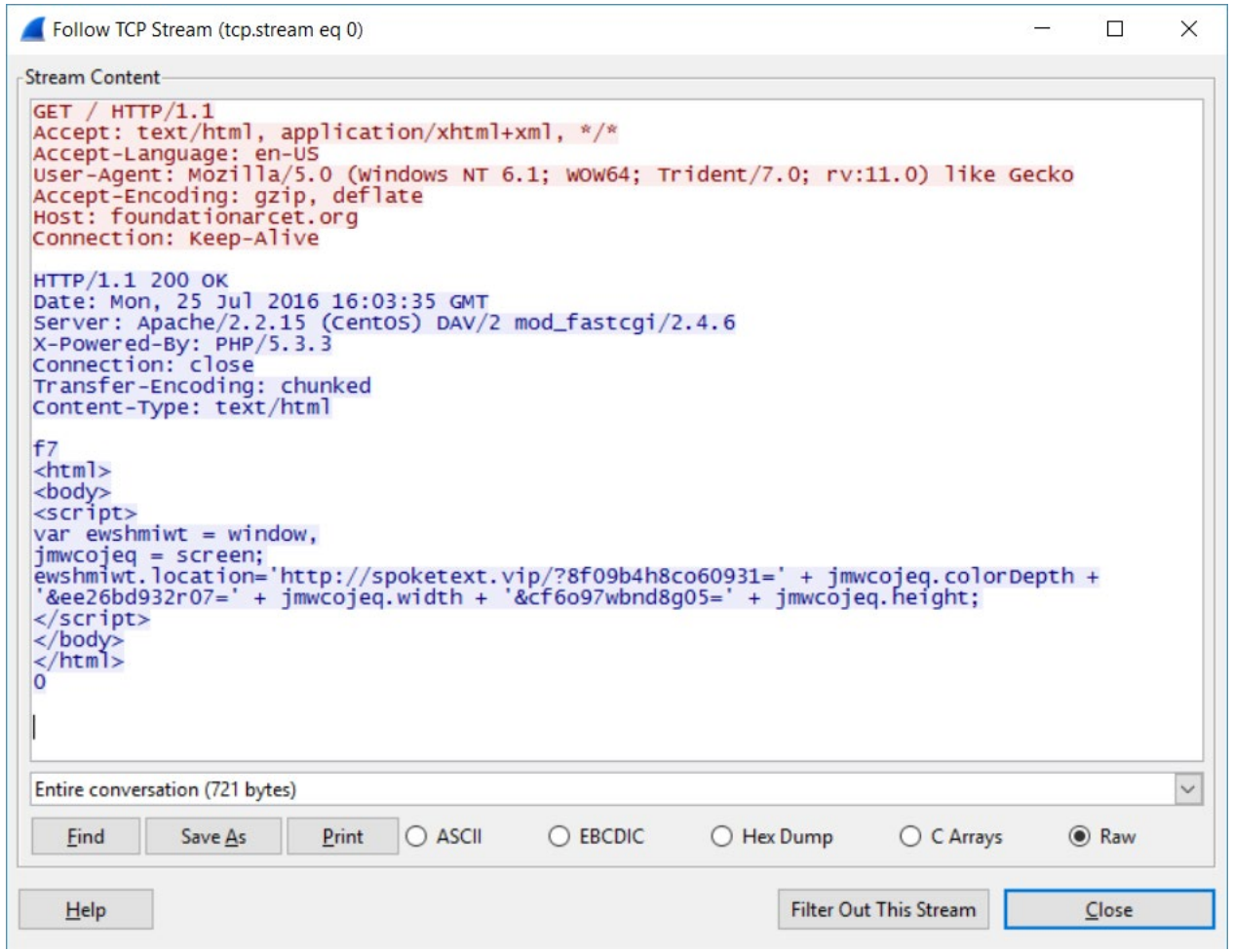
- Magnitude Exploit Kit
- Payload: Cerber Ransomware
- A Case from 2016
  - Why?
    - No obfuscation
    - Profiling of the victim

Magnitude EK

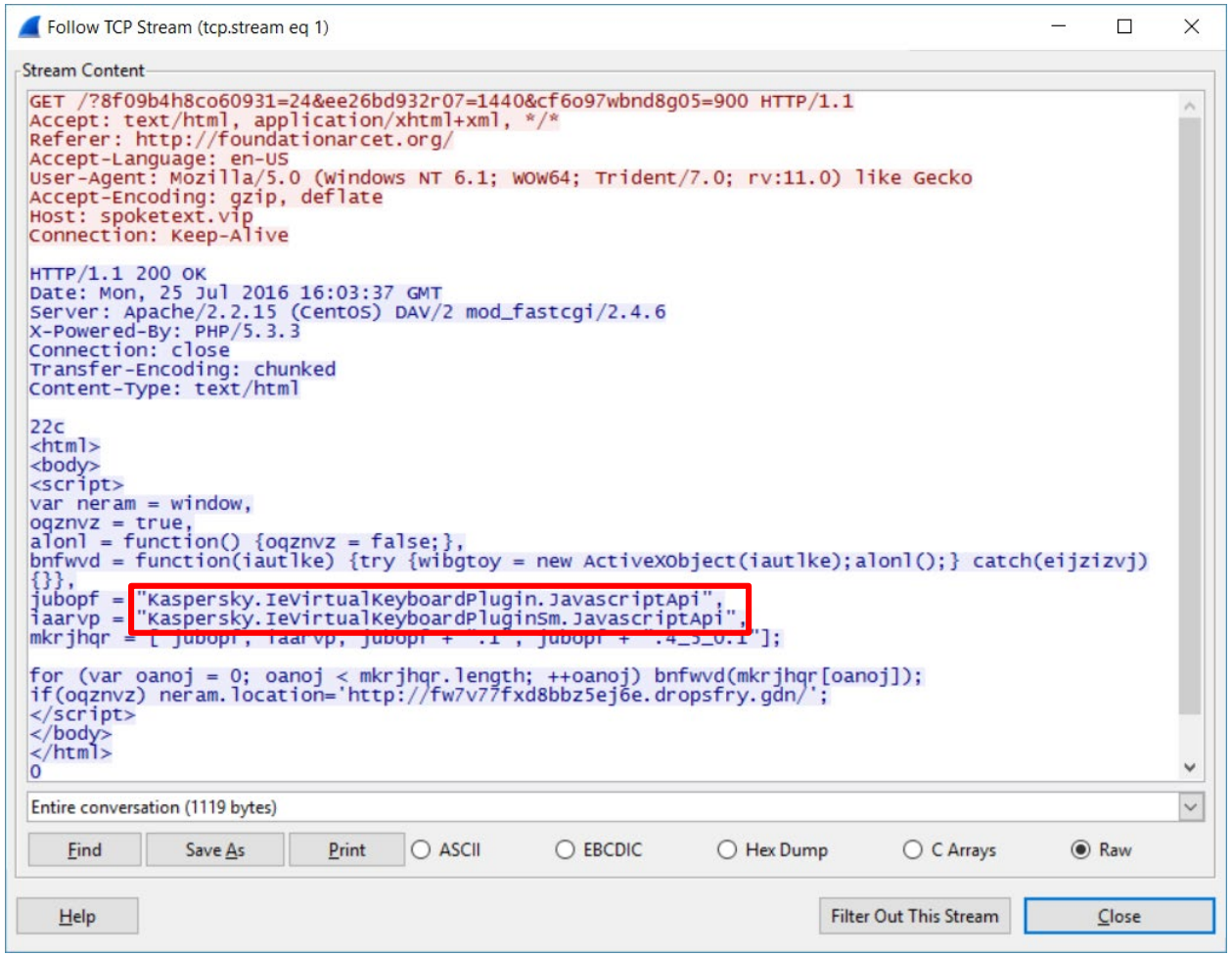
Filter: http.request Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
6	0.345795	10.7.25.104	185.143.240.105	HTTP	308	GET / HTTP/1.1
18	0.858058	10.7.25.104	185.143.243.66	HTTP	396	GET /?8f09b4h8co60931=24&ee26bd932r07=1440&cf6o97wbnd8g05=900 HTTP/1.1
31	3.097191	10.7.25.104	51.254.181.39	HTTP	408	GET / HTTP/1.1
38	3.287715	10.7.25.104	51.254.181.39	HTTP	349	GET /c61b8a6ib0a8o HTTP/1.1
47	3.455148	10.7.25.104	51.254.181.39	HTTP	380	GET /d06y32b74k HTTP/1.1
67	3.769403	10.7.25.104	51.254.181.39	HTTP	427	GET /d9947c8e03e9dc40167c02718275b280?win%2021,0,0,213 HTTP/1.1
98	3.963514	10.7.25.104	51.254.181.39	HTTP	273	GET /favicon.ico HTTP/1.1
159	4.551414	10.7.25.104	51.254.181.39	HTTP	125	GET /f6f9f8ddacebfc9fe8df090399a189d3 HTTP/1.1
237	6.617199	10.7.25.104	51.254.181.39	HTTP	125	GET /273d808061d53bc2075bd0efa39784dc HTTP/1.1
252	6.913042	10.7.25.104	51.254.181.39	HTTP	125	GET /273d808061d53bc2075bd0efa39784dc HTTP/1.1
1642	10.406434	10.7.25.104	51.254.181.39	HTTP	149	GET /273d808061d53bc2075bd0efa39784dc HTTP/1.1
2292	14.193721	10.7.25.104	54.88.175.149	HTTP	93	GET /json HTTP/1.1
3848	80.550982	10.7.25.104	104.238.215.110	HTTP	348	GET /0123-4567-890A-BCDE-F012?auto HTTP/1.1

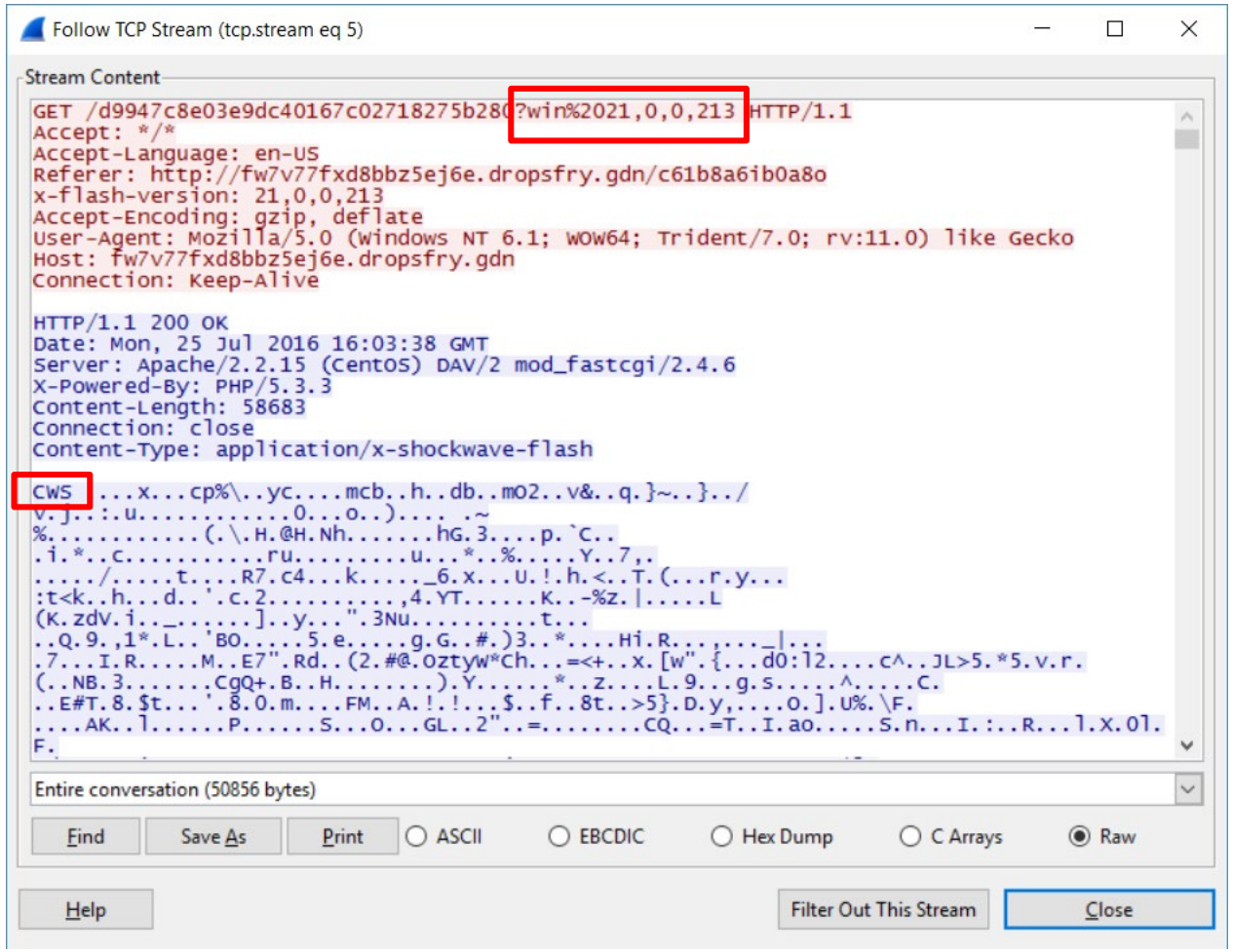
Magnitude EK



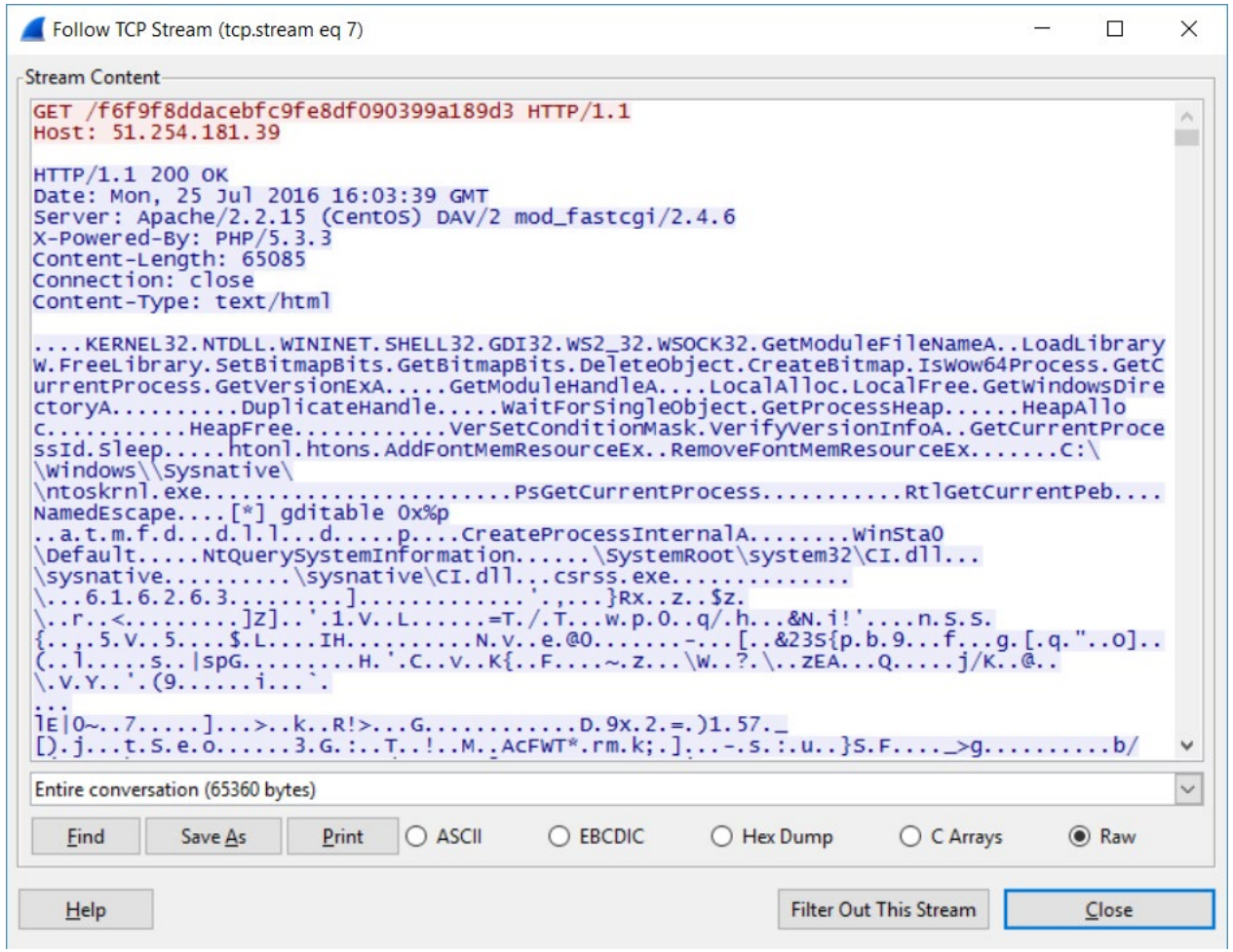
Magnitude EK



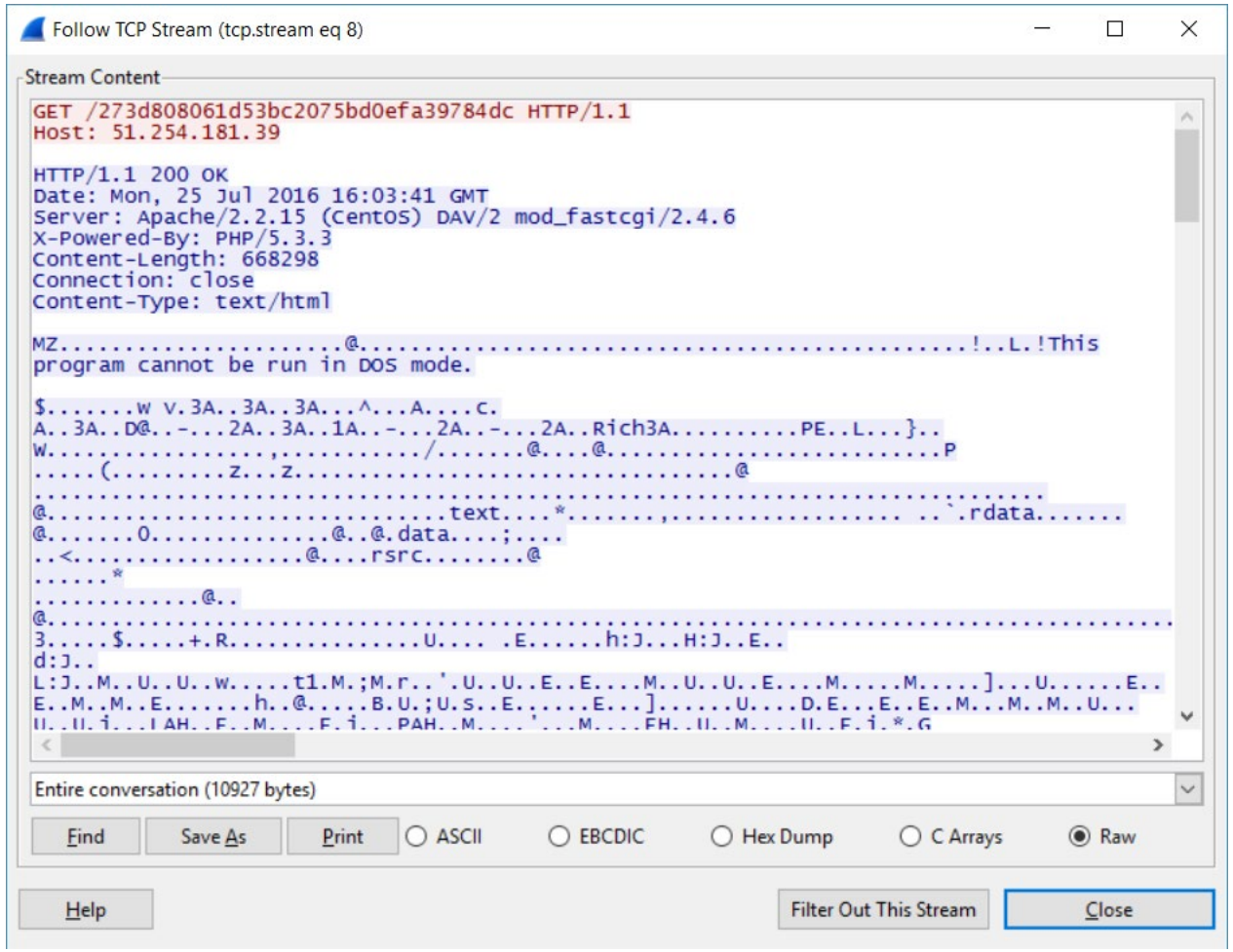
Magnitude EK



Magnitude EK



Magnitude EK



Magnitude EK Panel

LogOut

Предыдущие дни:

Дата	ID сайта	Хиты	Уники	Блок	Raster	Atomic	Vml	Сумма	%%

Текущий день:

ID сайта	Хиты	Уники	Блок	Raster	Atomic	Vml	Сумма	%%	Уники*	%%*

File0:	Browse... No file selected.	URL0:		Send
File1:	Browse... No file selected.	URL1:		Send
File2:	Browse... No file selected.	URL2:		Send
File3:	Browse... No file selected.	URL3:		Send
File4:	Browse... No file selected.	URL4:		Send
File5:	Browse... No file selected.	URL5:		Send

Домены для трафа:

[redacted]

Эксплоиты:

Имя	CVE номер
Index	n/a
JNLP	n/a
VML IE	CVE-2013-2551
Java Atomic	CVE-2012-0507
Java Raster	CVE-2013-2471
Java Raster FX	CVE-2013-2471

Стата по странам:

Страна	Уники	Загрузки	Пробив
US	1281	92	7.18
AR	140	33	23.57
CA	111	2	1.80
ES	100	20	20.00
BR	90	20	22.22
TW	86	0	0.00
IR	83	24	28.92
IT	77	18	23.38
TR	75	20	26.67
MX	65	14	21.54
GB	55	7	12.73

Стата по браузерам:

Браузер	Уники	Загрузки	Пробив
Internet Explorer	2169	298	13.74
Firefox	389	14	3.60
Safari	60	0	0.00
Other	41	0	0.00
Opera	3	0	0.00

Стата по системам:

Система	Уники	Загрузки	Пробив
Windows 7	1230	145	11.79
Windows XP	879	147	16.72
Windows Vista	276	19	6.88
Other	111	1	0.90
Windows 8	106	0	0.00
Macintosh	29	0	0.00
Linux	28	0	0.00
Windows 2000	2	0	0.00
Windows 98	1	0	0.00

Стата по JAVA:

JavaVer	Уники	Загрузки	Пробив

Стата по рефам:

Референр	Уники	Загрузки	Пробив
[redacted]	647	59	9.12
	356	9	2.53
	328	94	28.66
	228	1	0.44
	139	1	0.72
	68	9	13.24
	35	10	28.57
	34	4	11.76
	33	6	18.18
	32	7	21.88
	29	7	24.14
	29	3	10.34
	28	8	28.57
	28	4	14.29
	27	9	33.33
	27	5	18.52
	27	4	14.81
	26	9	34.62
	25	7	28.00
	25	6	24.00
	25	5	20.00
	25	3	12.00
	24	2	8.33
	23	3	13.04
	22	7	31.82
	22	3	13.64
	20	7	35.00
	19	3	15.79
	19	3	15.79
	19	0	0.00
	18	0	0.00
	18	0	0.00
	17	1	5.88
	17	0	0.00
	13	1	7.69
	10	0	0.00
	9	0	0.00
	8	2	25.00
	6	0	0.00
	5	0	0.00
	5	0	0.00
	4	1	25.00
	4	0	0.00
	4	0	0.00
	3	1	33.33
	3	1	33.33
	3	1	33.33
	3	0	0.00
	3	0	0.00

SpiderLabs

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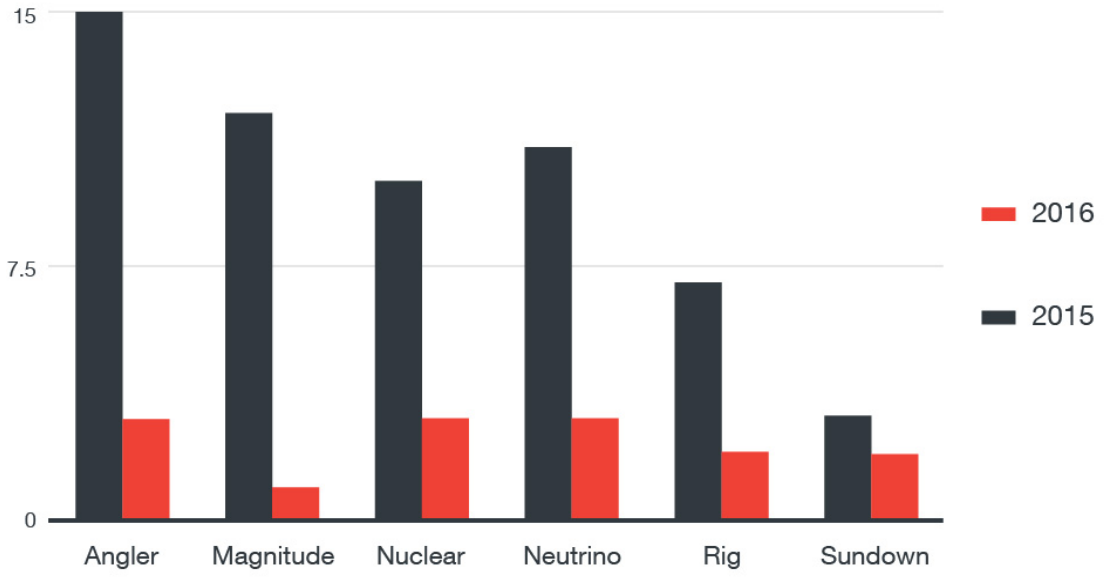
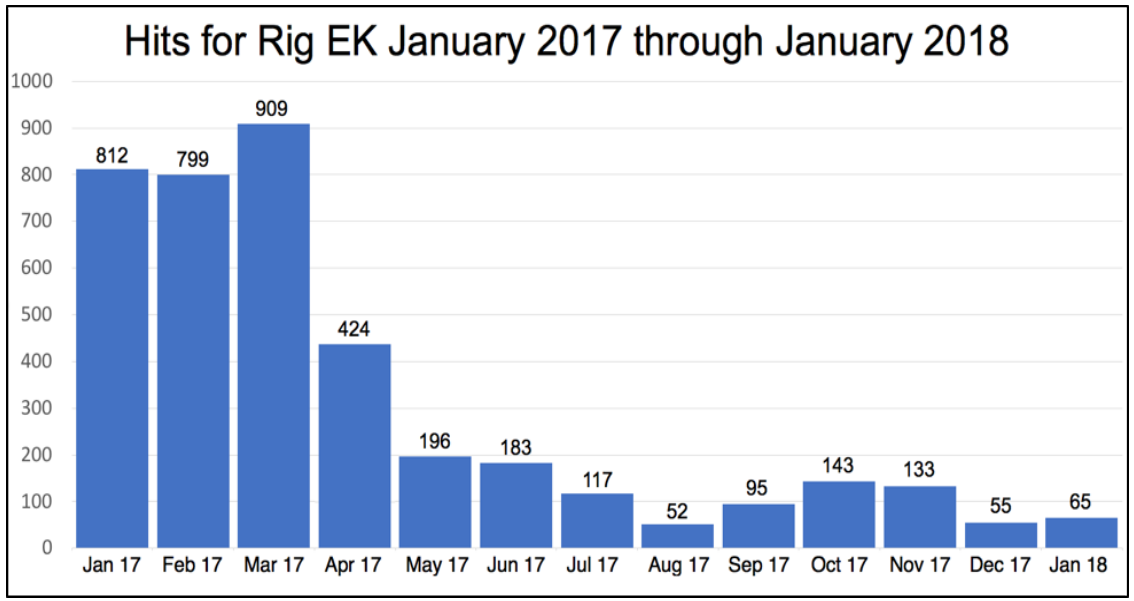
Moving away from Exploit kits

Moving away from EKs

Moving away from EKs



Rate of new vulnerabilities incorporated by exploit kit [TrendMicro]



Palo alto

Moving away from EKs

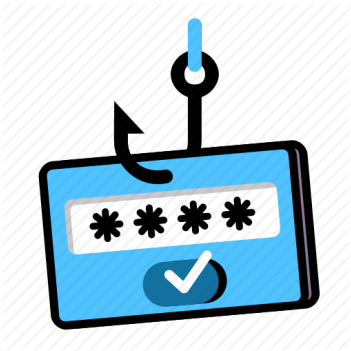
- Why is it happening?
  - Law enforcement had successful disruptive operations
  - Several authors were persecuted by the authorities
  - Less 0-days, new ones are harder to exploits
  - Running the operation is very expensive and resource-intensive
  - New attack vectors become popular

- The outcome: EKs become not profitable

Moving away from EKs

Exploit-Kits Successors

Credential phishing and brute-force attacks



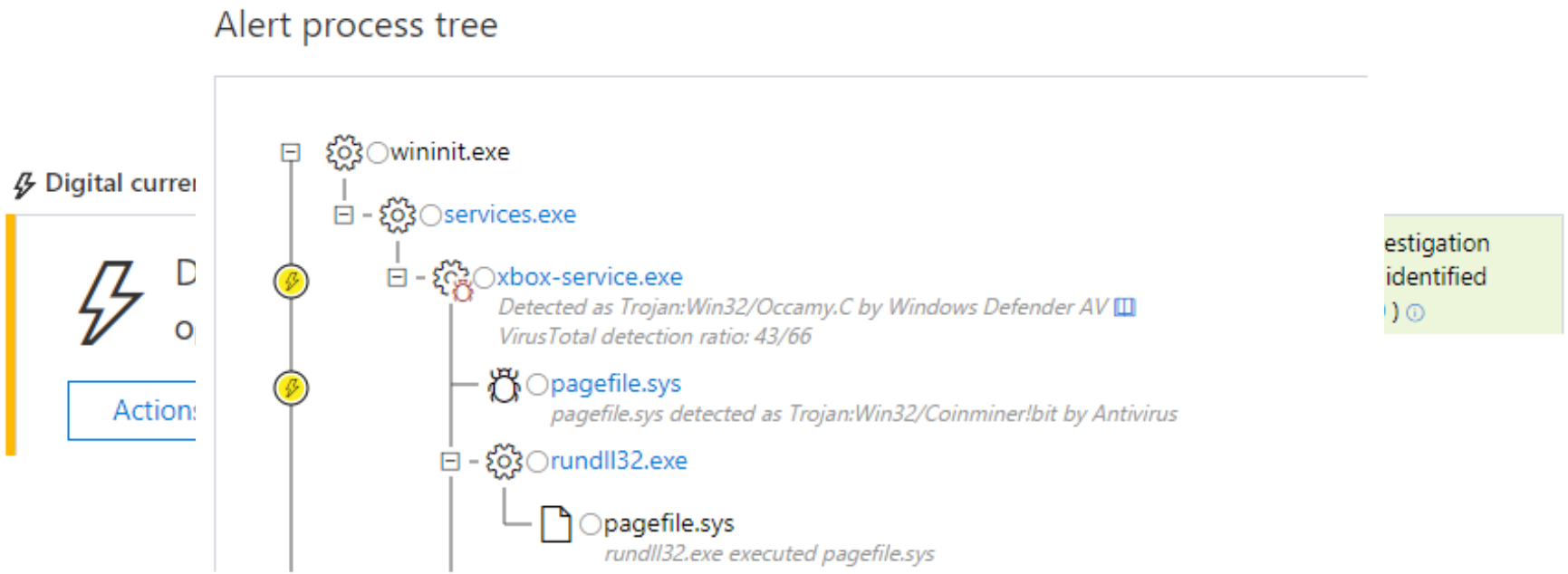
Office exploits, macros, OLE

Software supply-chain attacks

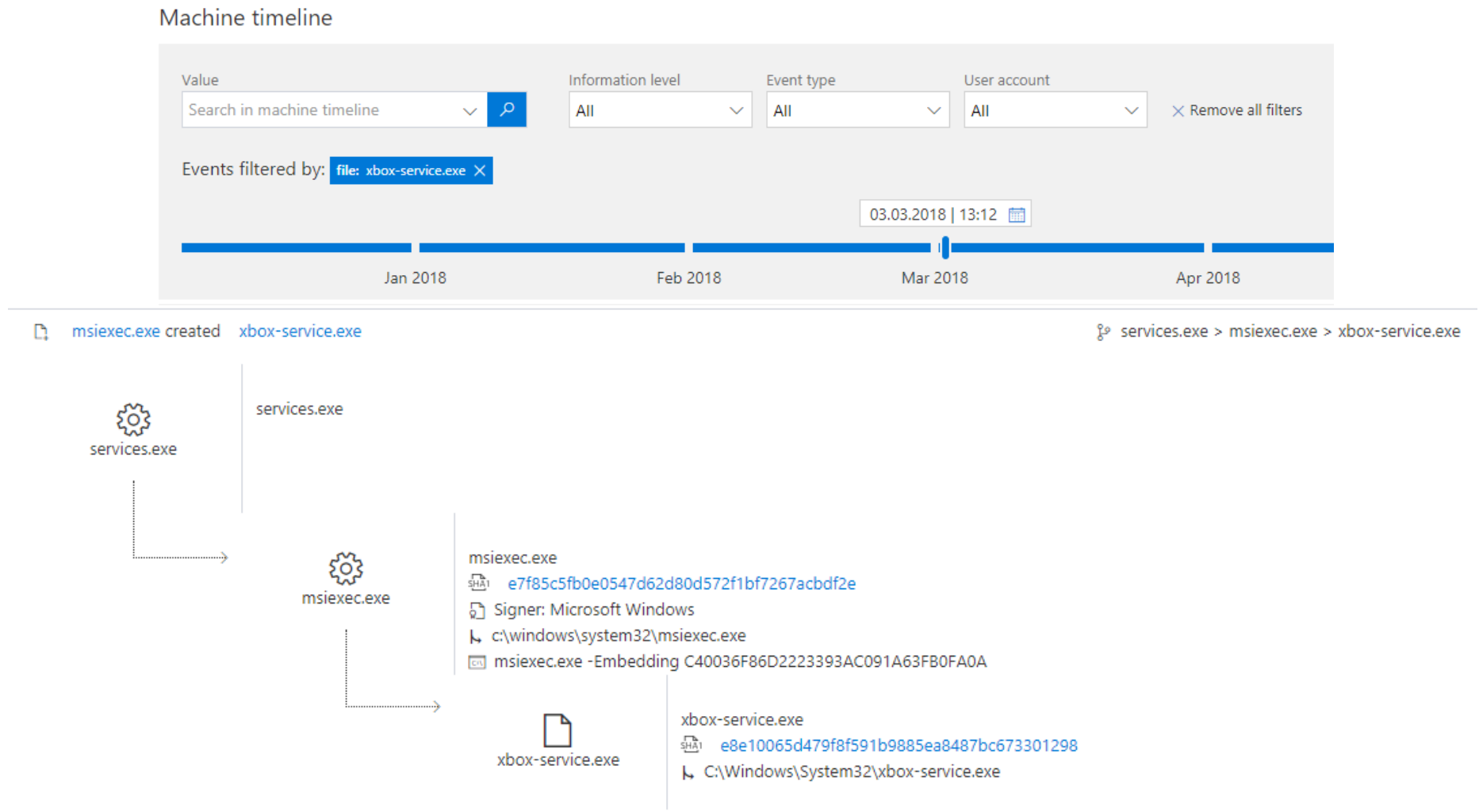
Supply chain attacks

- Taking advantage of the trusted relationship between software/hardware supplier and customer to install malware
  - Pre-installed malware on device storage (PC, Phones, DOK…)
  - Stolen code-signing certificate
  - Compromise of software build/update/distribution infrastructure

Coin-miner case-study



Coin-miner case-study



Coin-miner case-study

Advanced hunting

Run query | Save query | Copy query to clipboard | Last 30 days

```
1  ProcessCreationEvents
2  | where MachineId == "e3c78953[redacted]e26bc627"
3  | where InitiatingProcessFileName == "msiexec.exe"
```

InitiatingProcessName	CreatedProcessId	CreatedProcessName	CreatedProcessFilePath	CreatedProcessCommandLine
msiexec.exe	4860	SrTasks.exe	C:\Windows\System32\SrTasks.exe	srtasks.exe ExecuteScopeRestorePoint /WaitForRestorePoint:14
msiexec.exe	11352	msiexec.exe	C:\Windows\System32\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files\PDFescape Desktop\context-menu.dll"
msiexec.exe	11984	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\pdfactivedoc.dll"
msiexec.exe	2092	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\preview-handler.dll"
msiexec.exe	6640	ws.exe	C:\Program Files\PDFescape Desktop\ws.exe	"ws.exe" -service
msiexec.exe	20264	msiexec.exe	C:\Windows\System32\msiexec.exe	MsiExec.exe -Embedding A8D70FADFC489D125A73AD167483269A E Global\MSI0000
msiexec.exe	1912	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-word-plugin.dll"
msiexec.exe	8840	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-excel-plugin.dll"
msiexec.exe	3492	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-outlook-plugin.dll"
msiexec.exe	16732	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-powerpoint-plugin.dll"
msiexec.exe	13272	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-ie-helper.dll"
msiexec.exe	20188	msiexec.exe	C:\Windows\SysWOW64\msiexec.exe	"MsiExec.exe" /Y "C:\Program Files (x86)\PDFescape Desktop\creator-ie-plugin.dll"
msiexec.exe	20328	printer-installer-app.exe	C:\Program Files\PDFescape Desktop\printer-installer-app.exe	"printer-installer-app.exe" -i "C:\Program Files\PDFescape Desktop\"
msiexec.exe	4772	creator-app.exe	C:\Program Files\PDFescape Desktop\creator-app.exe	"creator-app.exe" -regserver
msiexec.exe	5004	creator-ws.exe	C:\Program Files\PDFescape Desktop\creator-ws.exe	"creator-ws.exe" -service
msiexec.exe	15224	msiexec.exe	C:\Windows\System32\msiexec.exe	MsiExec.exe -Embedding 4E21EDEDE84D5F4D3167E8F08474545D
msiexec.exe	1912	xbox-service.exe	C:\Windows\System32\xbox-service.exe	xbox-service.exe -service

Coin-miner case-study

6984	PDFescape_Desktop_Installer.exe	C:\Users\User[redacted]\Downloads\PDFescape_Desktop_Installer.exe	"PDFescape_Desktop_Installer.exe"
2496	PDFescapeDesktopInstaller.exe	C:\ProgramData\PDFescape Desktop\Installation\PDFescapeDesktopInstaller.exe	"PDFescapeDesktopInstaller.exe" /RegServer
724	regsvr32.exe	C:\Windows\SysWOW64\regsvr32.exe	regsvr32.exe /s "C:\ProgramData\PDFescape Desktop\Installation\Statistics.dll"

File worldwide

File

Actions

SHA1: 567c9cac15aad6f0cbe268cdf3e47ef3d5274f70
SHA256: 6824ee7ec4935c56265723f93e408a94211becb9fc8ae61104946488d707bfe0
MD5: 157babcc5e0b5b5dfec5f346cc33c262
Signer: PDFescape
Issuer: DigiCert SHA2 Assured ID Code Signing CA

Malware detection

VirusTotal detection ratio:

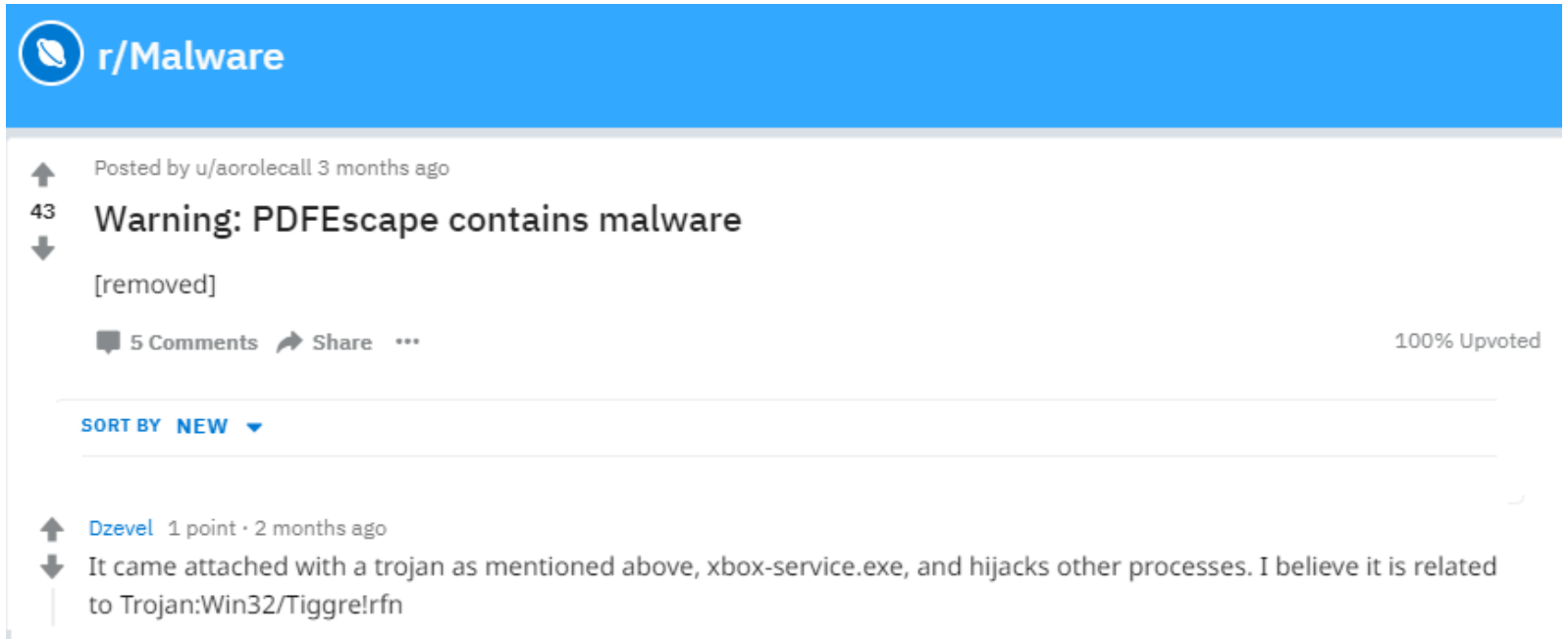
0/66 VirusTotal

Windows Defender AV:
No detections found

Copyright	© RedSoftware. All rights reserved.
Product	PDFescape Installer
Original name	Installer.exe
Internal name	Installer.exe
File version	2.0.35.34126
Description	PDFescape Installer
Signature verification	Signed file, verified signature
Signing date	2:25 PM 2/20/2018
Signers	[+] PDFescape [+] DigiCert SHA2 Assured ID Code Signing CA [+] DigiCert
Counter signers	[+] Symantec SHA256 TimeStamping Signer - G2 [+] Symantec SHA256 TimeStamping CA [+] VeriSign Universal Root Certification Authority

Coin-miner case-study

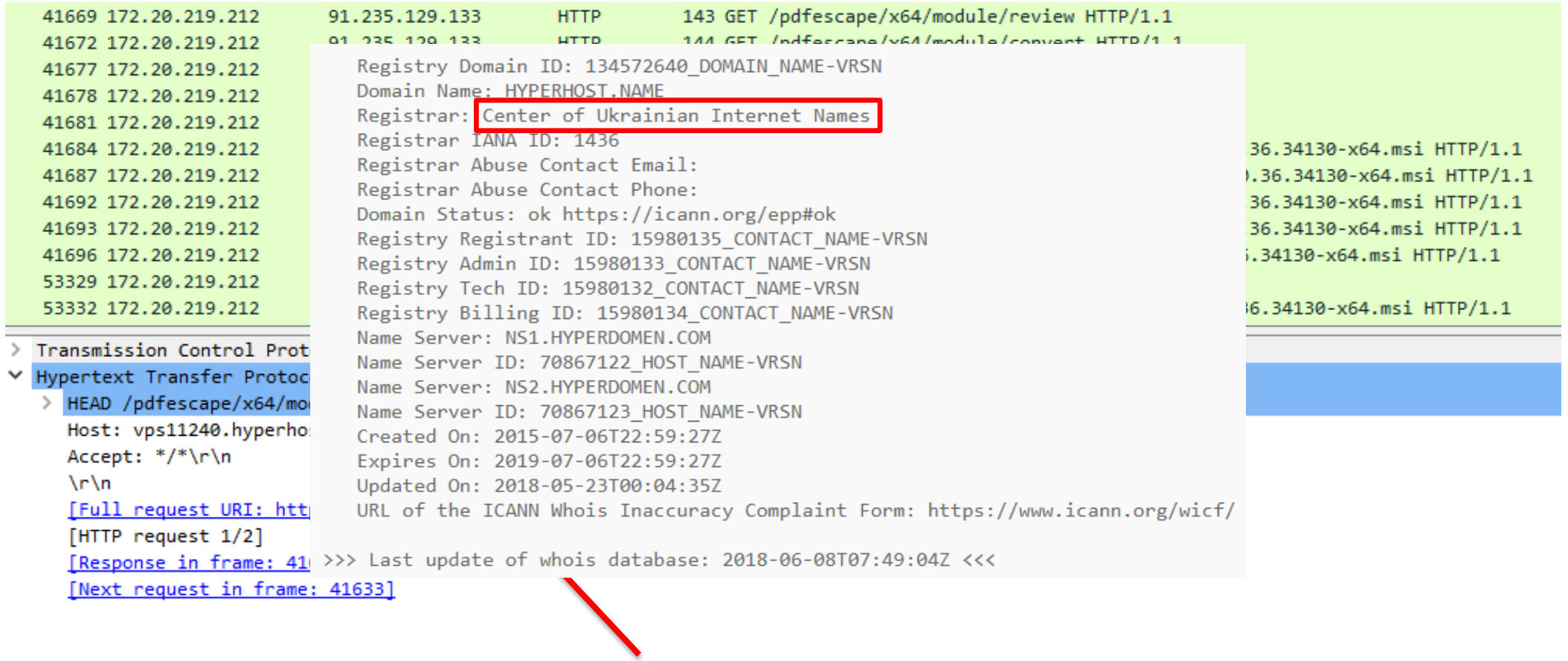
Google it…



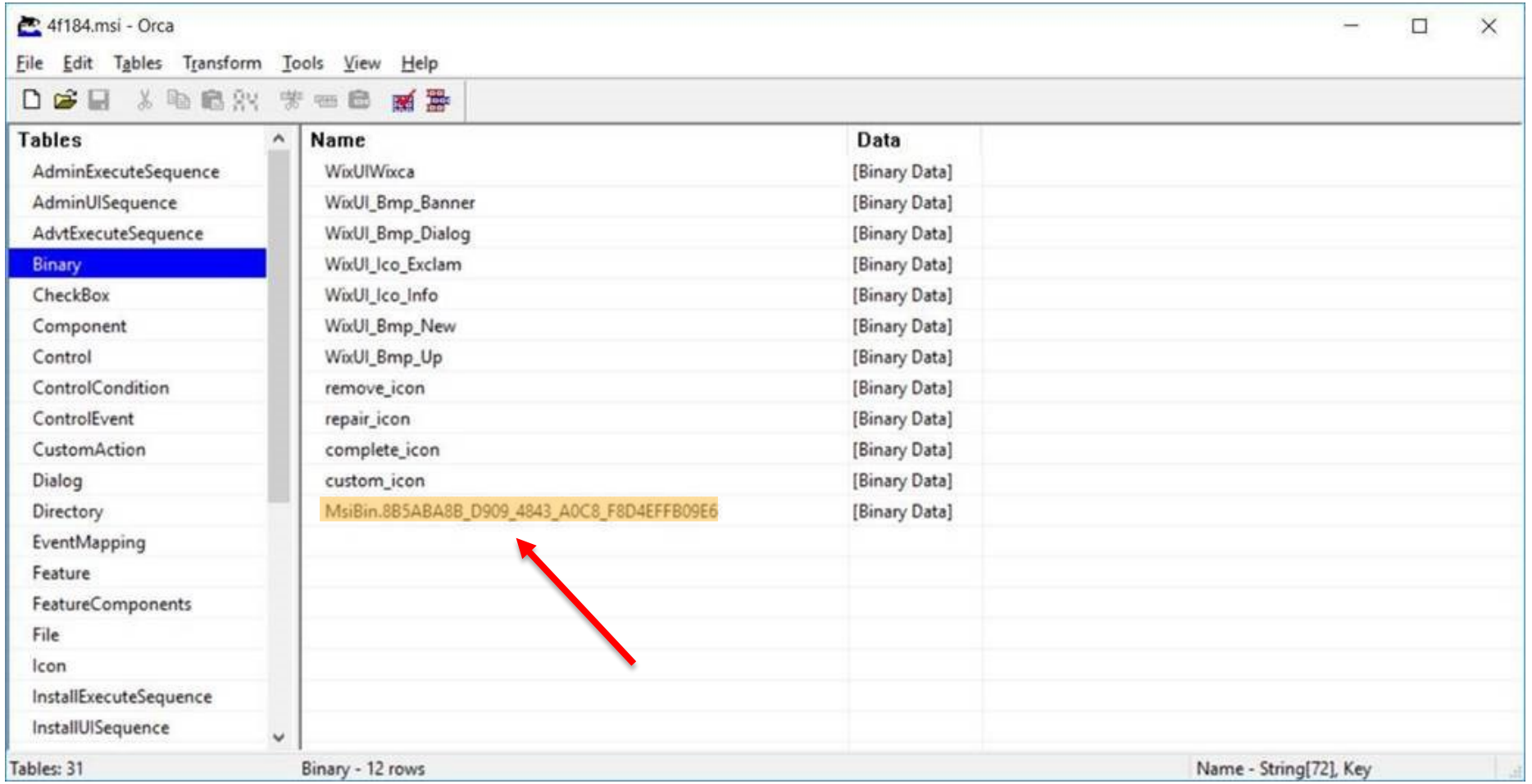
Coin-miner case-study

- Grab the installer directly from PDFescape website and analyze it
- During installation, a total of **9 different MSIs** were downloaded and executed
- All of them were digitally signed by PDFescape, except for one – the “Asian and extended fonts pack”

Coin-miner case-study



Coin-miner case-study



Coin-miner case-study

Coin-miner case-study

Exports

Name	Address	Ordinal
MsiVerifyDiskSpace	0000000180003D10	1
MsiVerifyDiskSpace10	0000000180003D50	2
MsiVerifyDiskSpace1032	0000000180003B90	3
MsiVerifyDiskSpace32	0000000180003B50	4
MsiVerifyDiskSpace328	0000000180003C50	5
MsiVerifyDiskSpace32d	0000000180003BD0	6
MsiVerifyDiskSpace8	0000000180003D90	7
MsiVerifyDiskSpaceE	0000000180003DD0	8
MsiVerifyDiskSpaceE32	0000000180003E10	9
MsiVerifyDiskSpaceS	0000000180003CD0	10
MsiVerifyDiskSpaceS32	0000000180003C90	11
MsiVerifyDiskSpaced	0000000180003C10	12
DllEntryPoint	00000001800092B0	[main entry]

```
; Exported entry   1. MsiVerifyDiskSpace


; UINT __stdcall MsiVerifyDiskSpace(MSIHANDLE hInstall)
public MsiVerifyDiskSpace
MsiVerifyDiskSpace proc near
sub     rsp, 28h
call    sub_1800038F0
lea     r8, aHttpDesktop__0 ; "http://desktop.sodapdf.com/"
lea     rdx, aSoftwareSodaPd ; "SOFTWARE\\Soda PDF Desktop\\Links"
call    sub_180002300
mov     ecx, 1
call    sub_180002C90
mov     ecx, 1
call    sub_1800029C0
mov     ecx, 1
add     rsp, 28h
jmp     sub_180003270
MsiVerifyDiskSpace endp
```

.rdata:0000000180031458	0000001C	C	\\System32\\drivers\\etc\\hosts
.rdata:0000000180031480	00000086	C	\r\n127.0.0.1 update10.lulusoft.com\r\n127.0.0.1 stats.lulusoft.com\r\n127.0.0.1 update.eset.com\r\n127.0.0.1 definitionupdates.microsoft.com
.rdata:0000000180031510	00000085	C	\r\n127.0.0.1 update1.lulusoft.com\r\n127.0.0.1 stats.lulusoft.com\r\n127.0.0.1 update.eset.com\r\n127.0.0.1 definitionupdates.microsoft.com
.rdata:00000001800315A0	00000088	C	\r\n127.0.0.1 update10.pdfescape.com\r\n127.0.0.1 stats.pdfescape.com\r\n127.0.0.1 update.eset.com\r\n127.0.0.1 definitionupdates.microsoft.com
.rdata:0000000180031630	0000006E	C	\r\n127.0.0.1 stats.interactivebrands.com\r\n127.0.0.1 update.eset.com\r\n127.0.0.1 definitionupdates.microsoft.com
.rdata:00000001800316A0	00000065	C	\r\n127.0.0.1 stats.docudesk.com\r\n127.0.0.1 update.eset.com\r\n127.0.0.1 definitionupdates.microsoft.com

Coin-miner case-study

Address: 4AQLzBQYq7nHAh[redacted]knhqxzmAgNvRkPrKW3Kp7nn3XrkaHh2

Pending Balance: 0.370743462413 XMR

Personal Threshold (Editable): < 0.500 XMR >

Once you reach your threshold, you will get a free auto-payout within 24 hours

Manual Payments Disabled for your account

Total Paid: 345.186550240000 XMR

Market

XMR: 0.02076543 BTC

XMR: 118.75 GBP

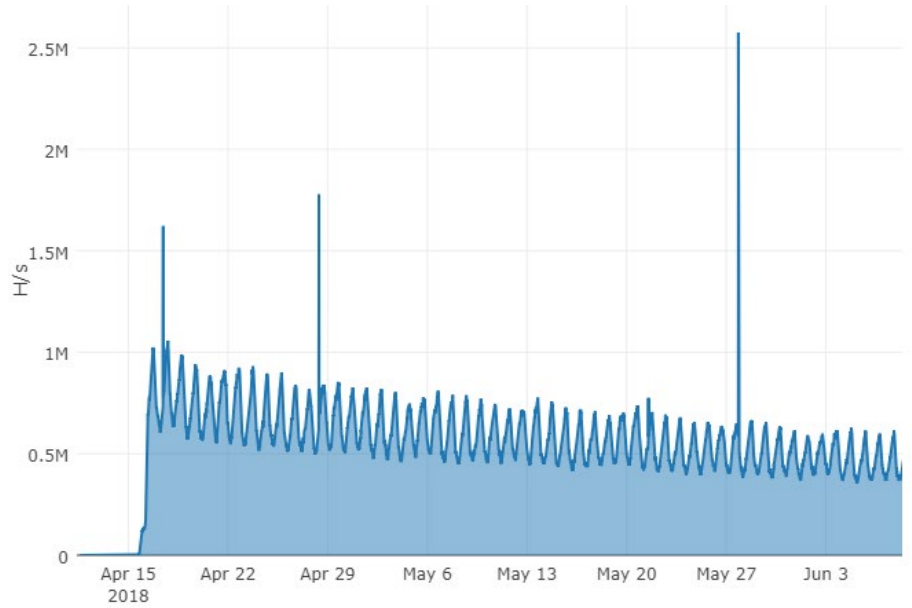
XMR: 133.57 EUR

XMR: 9707.47 RUR

XMR: 157.12 USD

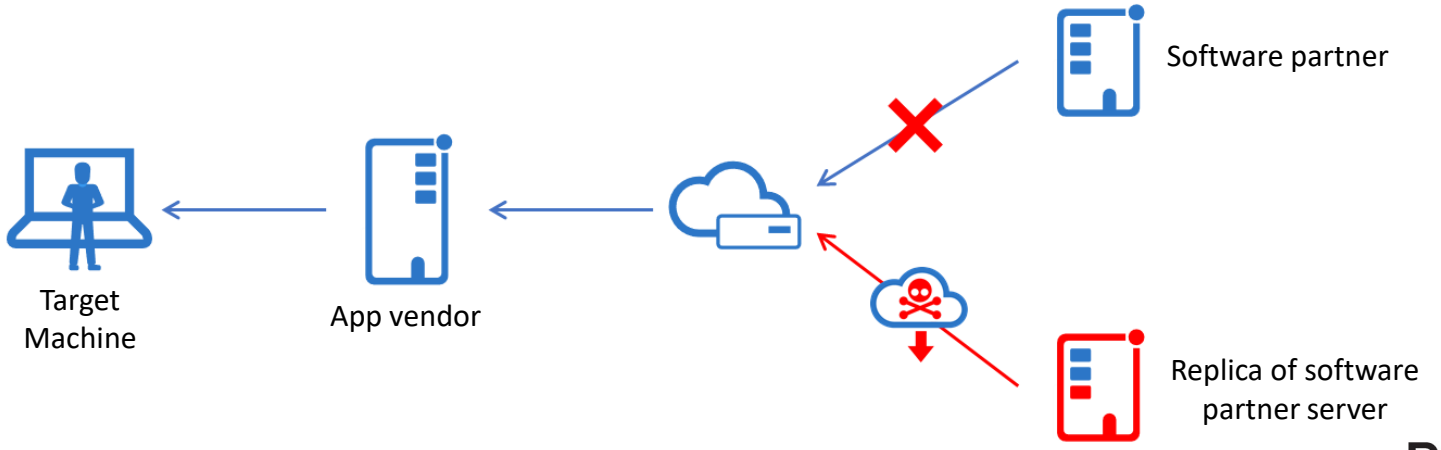
345 * 157 = ~ $ 54,000 profit
(in less than two months)

Botnet Hash Rate:



Coin-miner summary

- The attack was reported to PDFescape
- 3rd party vendor response: No code signing certificate was stolen
- The attackers were able to take advantage of the second vendor infrastructure to point the installer to their own hosting server
- It was also not validating the downloaded MSI files



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Gandcrab use case

GandCrab Recruitment Process

JAN, 2018

on January 29, 2018 13:19 UTC

Отписался в ПМ.

Уточните пару моментов:

Цитата
4. Бесплатная поддержка между ПП и Админами || **Жертвами и ПП (тикет)**

Т.е. переговоры с жертвой нужно будет вести самостоятельно?

Цитата
крупным партнёрам есть возможность увеличения процента в Вашу сторону до 70%;

о каких суммах идет речь?

Чистота скан- и рантайм будет поддерживаться? (для меня это больной вопрос)
Цитата
оплата Вашего % выкупа на Ваш кошелек **Dash**

Наконец-то люди стали переходить на безопасную крипту

Сообщение отредактировал 29.01.2018, 18:27

TERMS OF SERVICE AND RULES OF THE PARTNERSHIP PROGRAM:

1. We work 60% - 40% with major partners able to increase their percentage up to 70%.
2. Carry out installations through hacks and spam, or else through quality, usable traffic from traffic market (we aren't interested in a world mix or India).*
3. We reserve right to refuse service to anyone for any reason.
4. Free support between PayPal and and Admins || Victims and PayPal (ticket)
5. We do not provide exploit kits or other methods of delivering downloads

**traffic exchange will be considered after a detailed conversation*

1. Do not upload the .exe file to unverified antivirus scanners (which will send the sample to anti-virus labs)
2. Do not make any attempts to operate the ransomware in countries in the Commonwealth of Independent States
3. Do not post the .onion address of the control panel anywhere
4. Do not transfer the account to a third party

If any of these rules are violated, the account will be deleted without any further payments made.

Attention! We are recruiting a limited number of participants and will stop taking on new partners until new free spots become available.

Please send your application via private message with a description of your sources and quantity of loads/traffic per 24/hours.

Respectfully, GandCrab team

GandCrab Recruitment Process

MAR, 2018

[I have] ransomware. I am responsible for making the malware evade anti-virus software, you will be responsible for spreading it. (Looking for a highly-skilled partner to cooperate with).

The name of the ransomware is GandCrab.
[For more in-depth information,] please see the reporting from below.

https://www[.]hackeye.net/securitytetchnology/netsec/12140.aspx
https://www[.]hackeye[.]net/threatintelligence/12530.aspx
http://www[.]freebuf[.]com/column/162254.html

Searching for high-skilled [malware] spreaders.
[Profits will be split] 60 percent/40 percent
[If there are high profits then the split] will be raised to 70 percent/30 percent

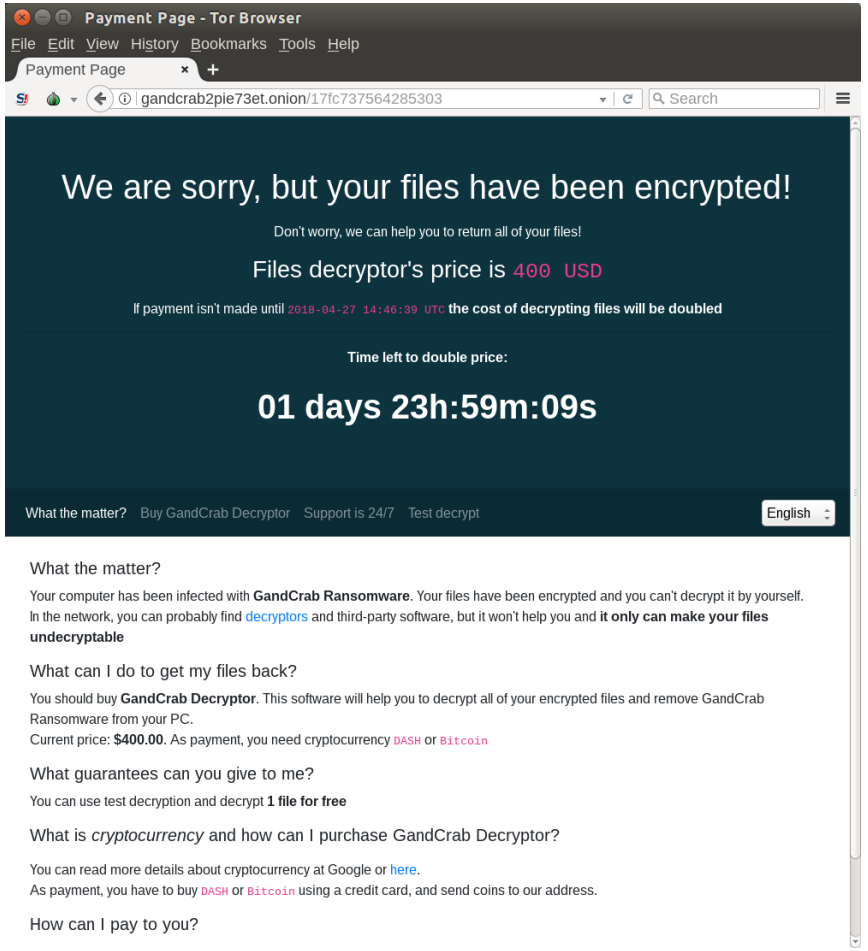
You do not have to worry about malware coding, evading anti-virus systems and so on.
All you need to do is spread the malware.

GandCrab Behavior

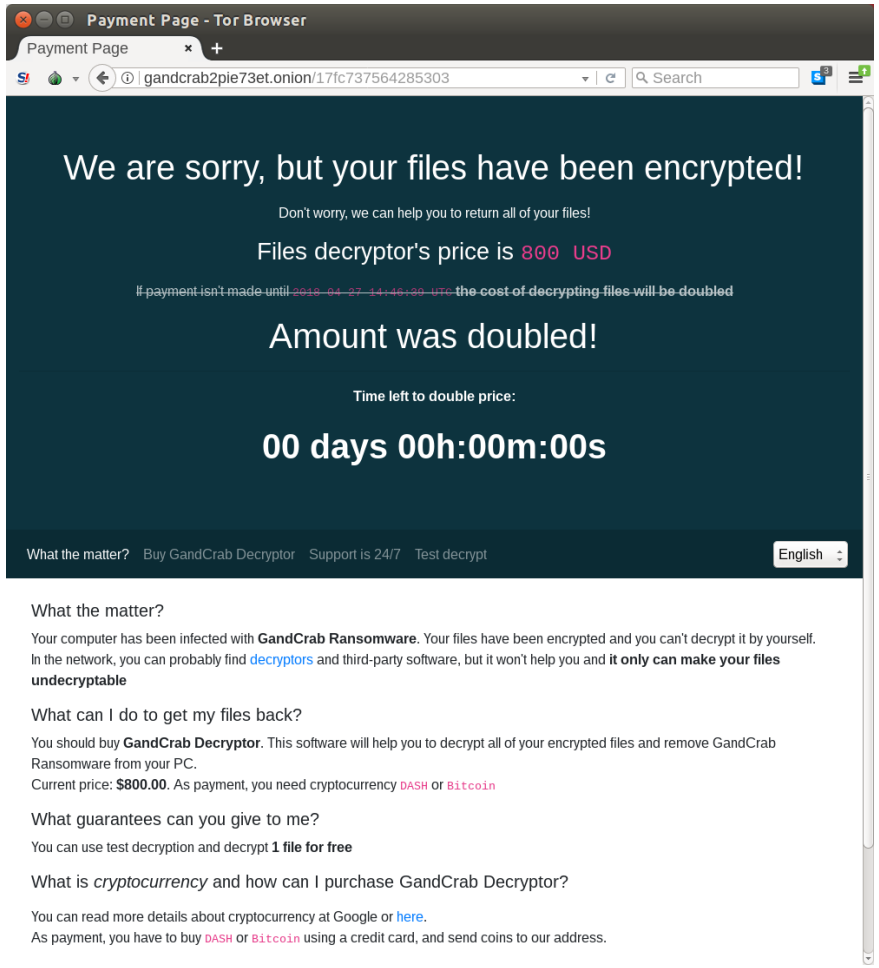
- Determines system information, usually to detect if the system is virtualized
- Attempts to resolve many APIs, a known technique to avoid static detection
- Connects to ipv4bot.whatismyipaddress.com to determine victim's IP address
- Executes nslookup to determine address of C2
- Looks for documents. Photos, databases and other important files to encrypt
- Encrypts files and changes extension to .CRAB
- Folder where encrypted files are located contains CRAB-DECRYPT.TXT

The Ransom Note

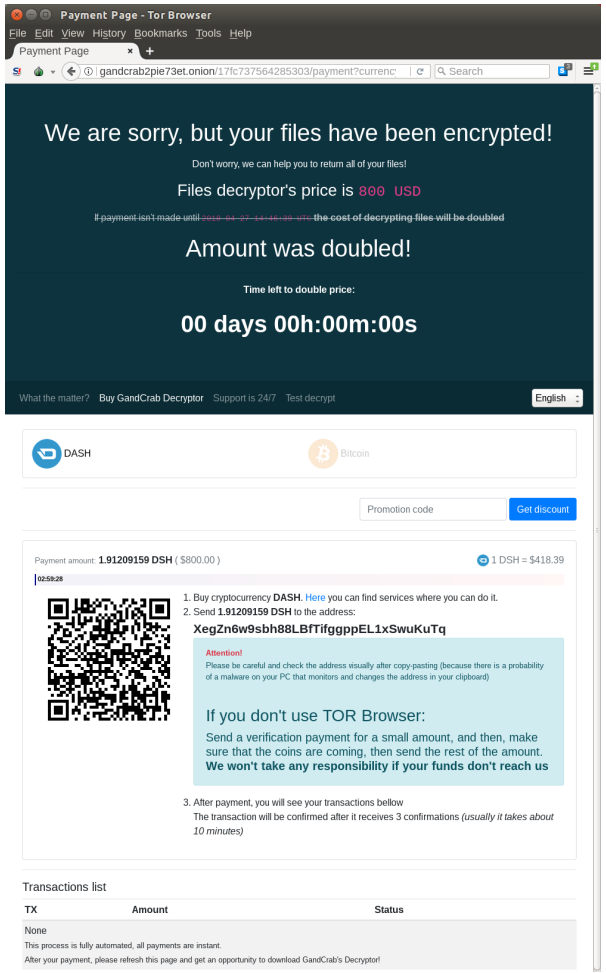
```
---= GANDCRAB V5.0 =---


Attention!

All your files, documents, photos, databases and other important files are encrypted and have the
extension: .PXYOH

The only method of recovering files is to purchase an unique private key. Only we can give you this key and
only we can recover your files.


The server with your key is in a closed network TOR. You can get there by the following ways:

--------------------------------------------------------------------------------

| 0. Download Tor browser - https://www.torproject.org/

| 1. Install Tor browser
| 2. Open Tor Browser
| 3. Open link in TOR browser:   http://gandcrabmfe6mnef.onion/[redacted]
| 4. Follow the instructions on this page

--------------------------------------------------------------------------------


On our page you will see instructions on payment and get the opportunity to decrypt 1 file for free.


ATTENTION!

IN ORDER TO PREVENT DATA DAMAGE:

* DO NOT MODIFY ENCRYPTED FILES
* DO NOT CHANGE DATA BELOW

---BEGIN GANDCRAB KEY---
<REDACTED>
---END GANDCRAB KEY---

---BEGIN PC DATA---
<REDACTED>
---END PC DATA---
```

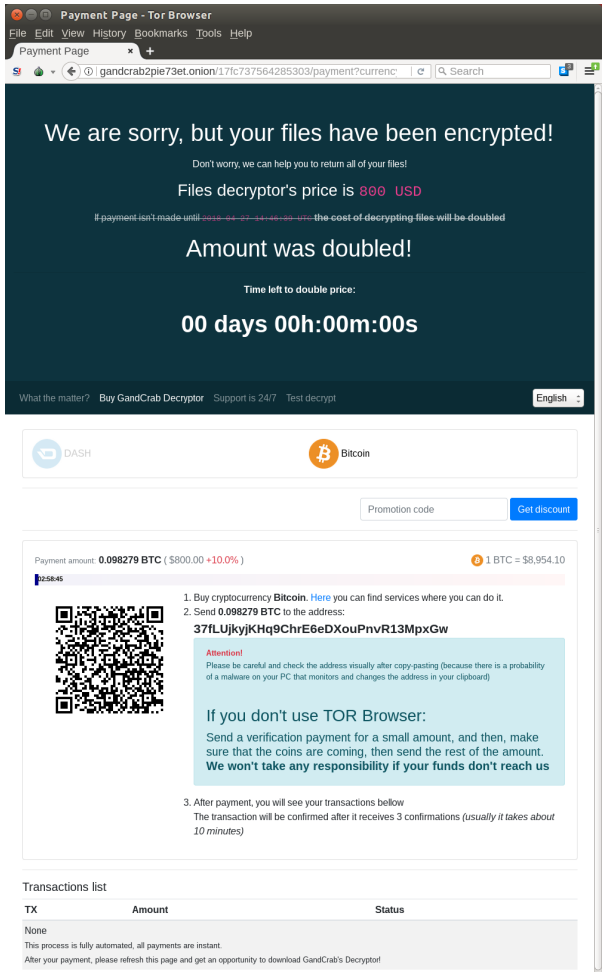


Expired Ransom Note

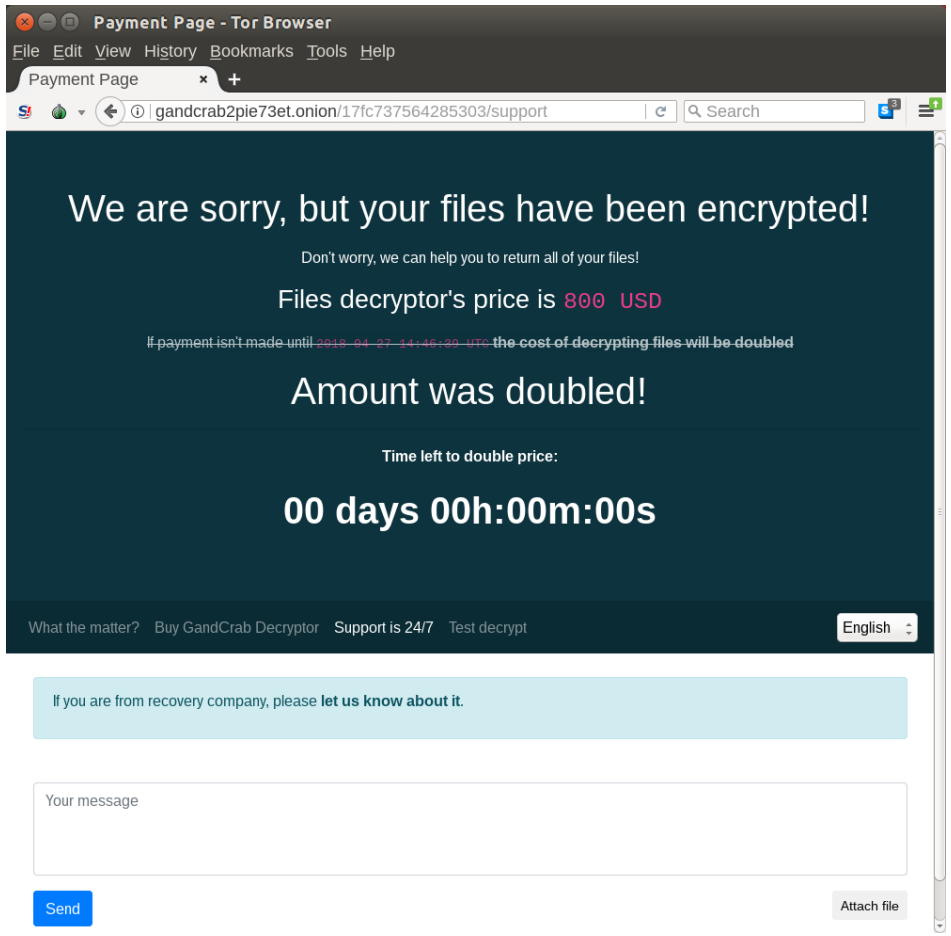


Payment Method

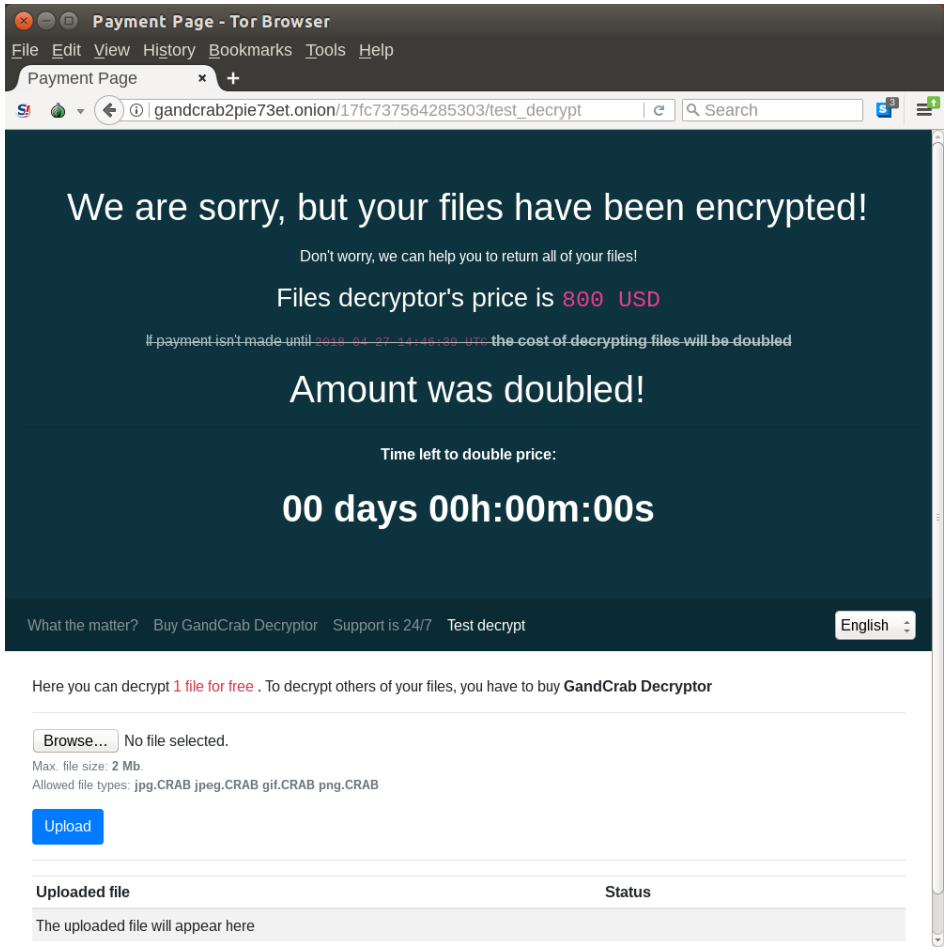




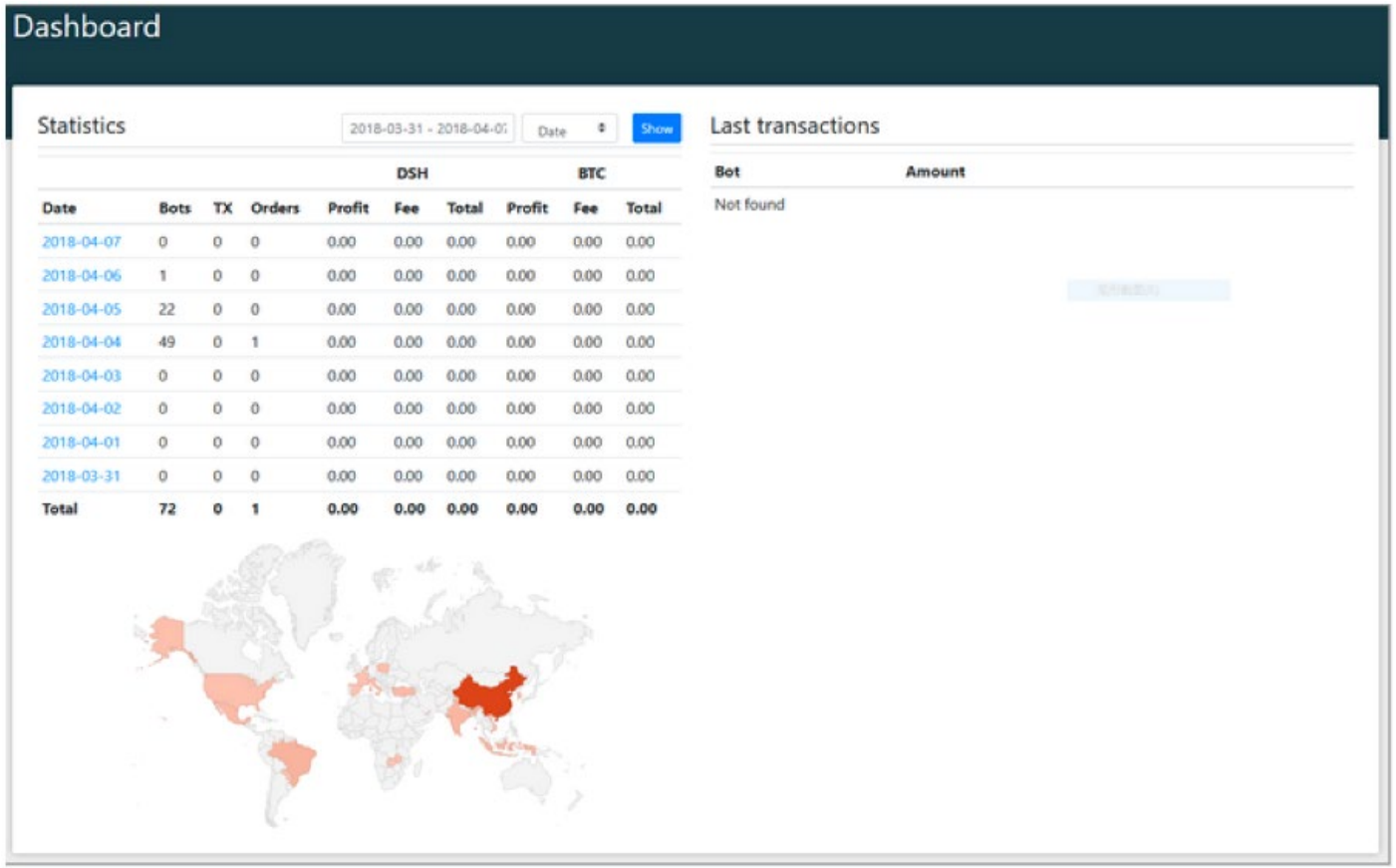
24/7 Support


Payment Page - Tor Browser
File Edit View History Bookmarks Tools Help
Payment Page
gandcrab2pie73et.onion/17fc737564285303/support
Search
We are sorry, but your files have been encrypted!
Don't worry, we can help you to return all of your files!
Files decryptor's price is 800 USD
If payment isn't made until 2018-04-27 14:46:39 UTC the cost of decrypting files will be doubled
Amount was doubled!
Time left to double price:
00 days 00h:00m:00s
What the matter?
Buy GandCrab Decryptor
Support is 24/7
Test decrypt
English
If you are from recovery company, please let us know about it.
Your message
Send
Attach file

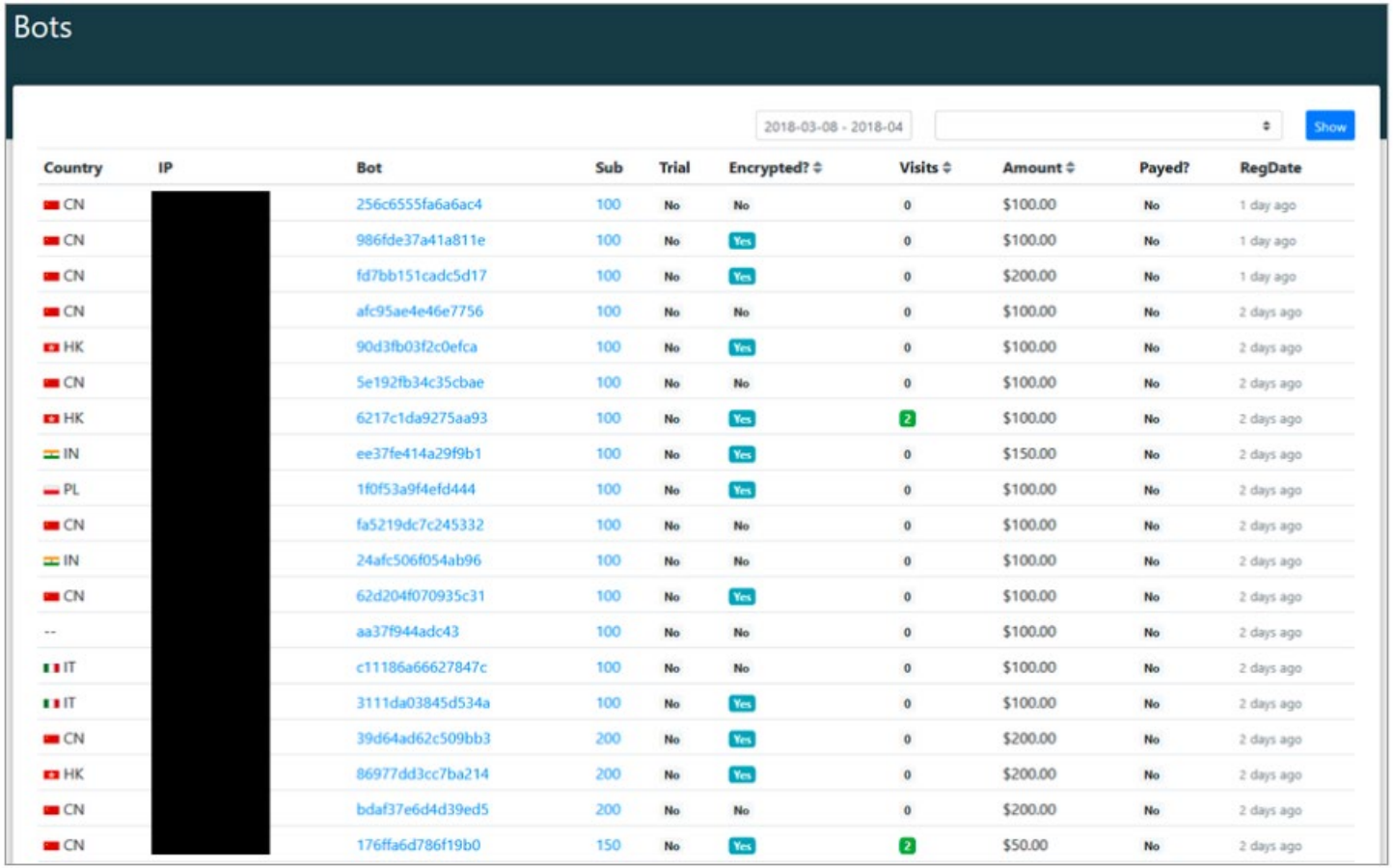
Try Before You Buy



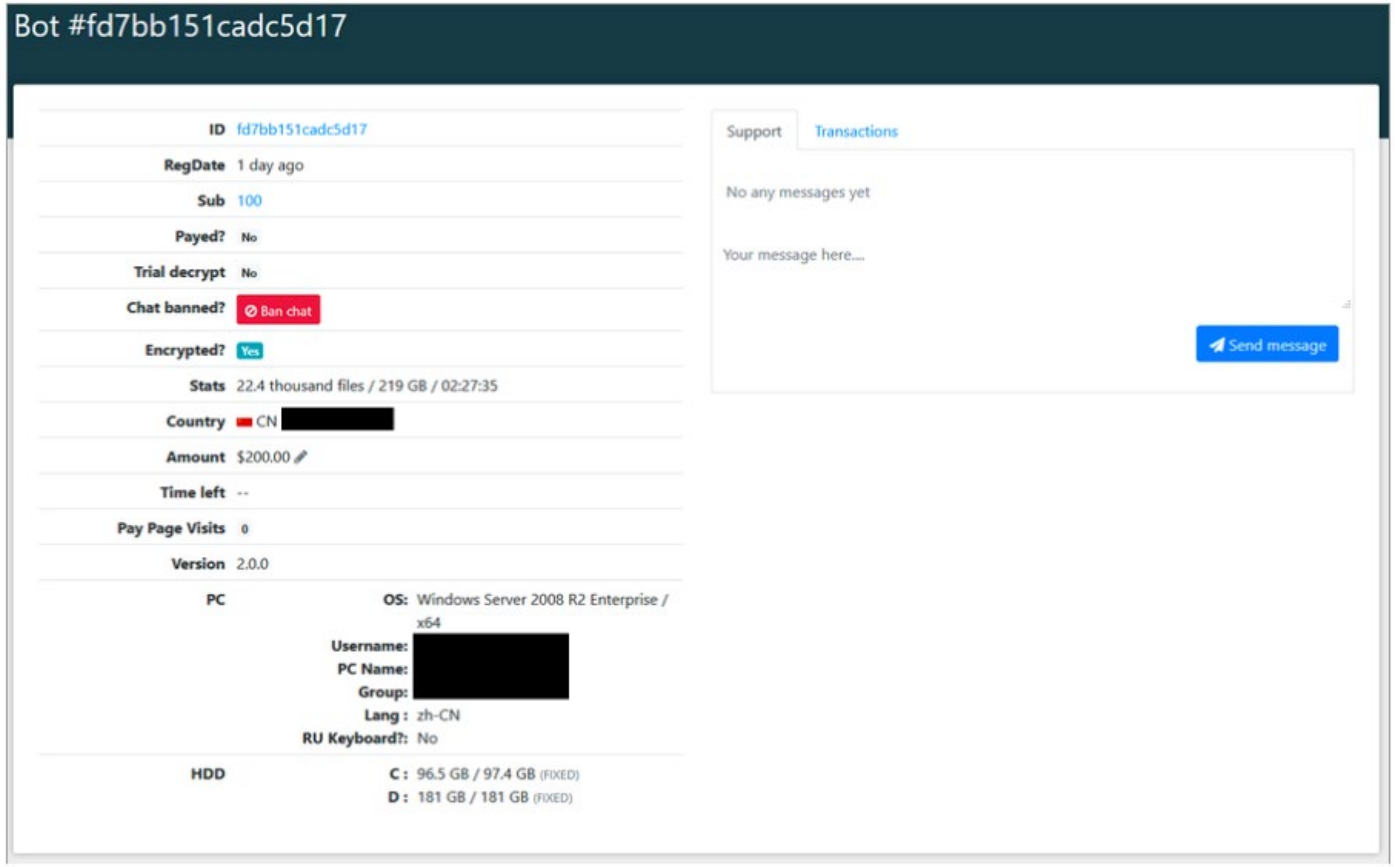
Backend


Dashboard
Statistics
2018-03-31 - 2018-04-07
Date
Show
Last transactions
Bot
Amount
Not found
DSH
BTC
Date Bots TX Orders Profit Fee Total Profit Fee Total
2018-04-07 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-06 1 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-05 22 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-04 49 0 1 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-03 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-02 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-04-01 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00
2018-03-31 0 0 0 0.00 0.00 0.00 0.00 0.00 0.00
Total 72 0 1 0.00 0.00 0.00 0.00 0.00 0.00

Backend


Bots
2018-03-08 - 2018-04
Show
Country
IP
Bot
Sub
Trial
Encrypted?
Visits
Amount
Payed?
RegDate
CN [redacted] 256c6555fa6a6ac4 100 No No 0 $100.00 No 1 day ago
CN 986fde37a41a811e 100 No Yes 0 $100.00 No 1 day ago
CN fd7bb151cadc5d17 100 No Yes 0 $200.00 No 1 day ago
CN afc95ae4e46e7756 100 No No 0 $100.00 No 2 days ago
HK 90d3fb03f2c0efca 100 No Yes 0 $100.00 No 2 days ago
CN 5e192fb34c35cbae 100 No No 0 $100.00 No 2 days ago
HK 6217c1da9275aa93 100 No Yes 2 $100.00 No 2 days ago
IN ee37fe414a29f9b1 100 No Yes 0 $150.00 No 2 days ago
PL 1f0f53a9f4efd444 100 No Yes 0 $100.00 No 2 days ago
CN fa5219dc7c245332 100 No No 0 $100.00 No 2 days ago
IN 24afc506f054ab96 100 No No 0 $100.00 No 2 days ago
CN 62d204f070935c31 100 No Yes 0 $100.00 No 2 days ago
-- aa37f944adc43 100 No No 0 $100.00 No 2 days ago
IT c11186a66627847c 100 No No 0 $100.00 No 2 days ago
IT 3111da03845d534a 100 No Yes 0 $100.00 No 2 days ago
CN 39d64ad62c509bb3 200 No Yes 0 $200.00 No 2 days ago
HK 86977dd3cc7ba214 200 No Yes 0 $200.00 No 2 days ago
CN bdaf37e6d4d39ed5 200 No No 0 $200.00 No 2 days ago
CN 176ffa6d786f19b0 150 No Yes 2 $50.00 No 2 days ago

Backend


Bot #fd7bb151cadc5d17
ID fd7bb151cadc5d17
RegDate 1 day ago
Sub 100
Payed? No
Trial decrypt No
Chat banned? Ban chat
Encrypted? Yes
Stats 22.4 thousand files / 219 GB / 02:27:35
Country CN [redacted]
Amount $200.00
Time left --
Pay Page Visits 0
Version 2.0.0
PC
OS: Windows Server 2008 R2 Enterprise / x64
Username: [redacted]
PC Name:
Group:
Lang : zh-CN
RU Keyboard?: No
HDD
C : 96.5 GB / 97.4 GB (FIXED)
D : 181 GB / 181 GB (FIXED)
Support
Transactions
No any messages yet
Your message here....
Send message

Latest Report on GandCrab Profit

- *As of Feb 2019:*
  - Statistics on the team of spammers for the week:
    DASH ($ 73905) + BTC ($ 182,000) = **$ 255,905** of total profit
  - Statistics for the month for 1 of the teams who work on networks:
    DASH ($ 156800) + BTC ($ 87500) = **$ 244,300** of total profit
  - And finally, the statistics of the entire affiliate program for the month :
    About ~ 760k unique installations
    DASH ($ 860,591)+ BTC ($ 1,990,800) = **$ 2,851,391** (185,340,415 rubles)

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Mitigation, Prevention and takeaways

Mitigation and Prevention

- Network segmentation
- Least privileged principle
- Software whitelisting
- Windows 10 – WDAG, WDEG and secure browser
- Maintain secure backups
- Toggle anti-spam and keep macros disabled
- Remove unused software and browser plugins
- Network monitoring + EDR + Post-Breach solutions

Takeaways

- Be aware of the latest trends
- Make sure you're always up to date
- Consider moving to a modern workspace - end users and infrastructure
- Own the tools that will help you identify, analyze and mitigate the threats

Summary

- The Exploit Kits market is slowly dying
- New attack vectors are emerging, more cost efficient and less effort
- Fraudsters shift their business model
- Crypto miners and Ransomware make a good investment
- You’re not doomed, you can protect yourself

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Thank you!