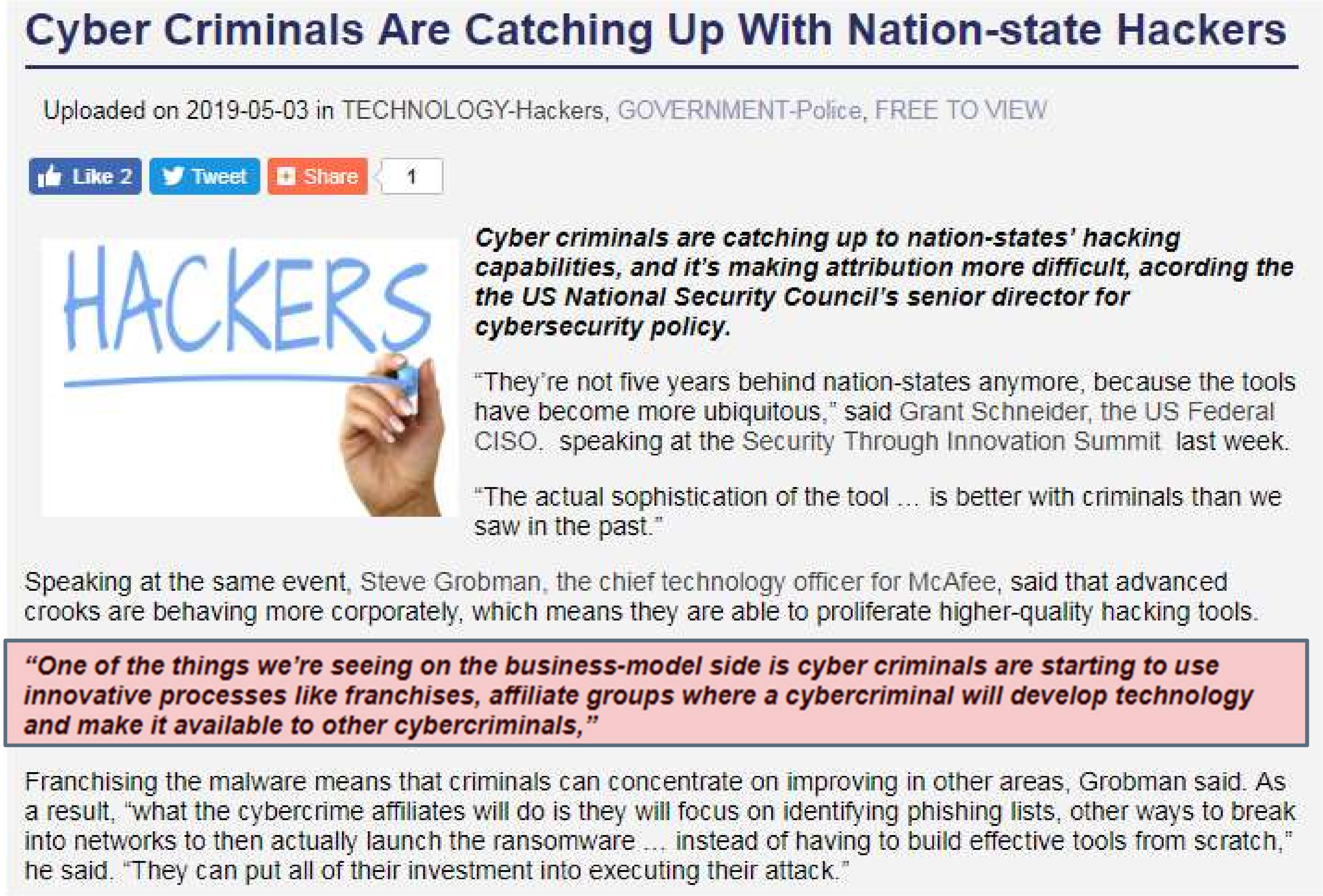
Advertise publicly, trade privately?

Analysing the Cybercrime-as-a-Service (CaaS) Offerings in Underground Forums

Dr. Ugur Akyazi
PostDoc Researcher
Cyber Security Group - TPM
Technical University of Delft



Cyber Criminals Are Catching Up With Nation-state Hackers

Uploaded on 2019-05-03 in TECHNOLOGY-Hackers, GOVERNMENT-Police, FREE TO VIEW

Cyber criminals are catching up to nation-states' hacking capabilities, and it's making attribution more difficult, acording the the US National Security Council's senior director for cybersecurity policy.

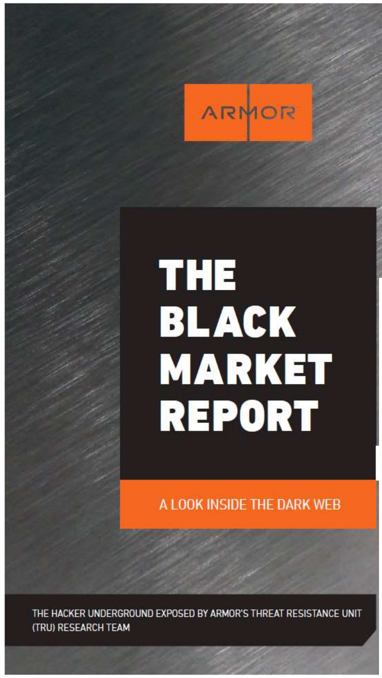
"They're not five years behind nation-states anymore, because the tools have become more ubiquitous," said Grant Schneider, the US Federal CISO, speaking at the Security Through Innovation Summit last week.

"The actual sophistication of the tool … is better with criminals than we saw in the past."

Speaking at the same event, Steve Grobman, the chief technology officer for McAfee, said that advanced crooks are behaving more corporately, which means they are able to proliferate higher-quality hacking tools.

"One of the things we're seeing on the business-model side is cyber criminals are starting to use innovative processes like franchises, affiliate groups where a cybercriminal will develop technology and make it available to other cybercriminals,"

Franchising the malware means that criminals can concentrate on improving in other areas, Grobman said. As a result, "what the cybercrime affiliates will do is they will focus on identifying phishing lists, other ways to break into networks to then actually launch the ransomware … instead of having to build effective tools from scratch," he said. "They can put all of their investment into executing their attack."

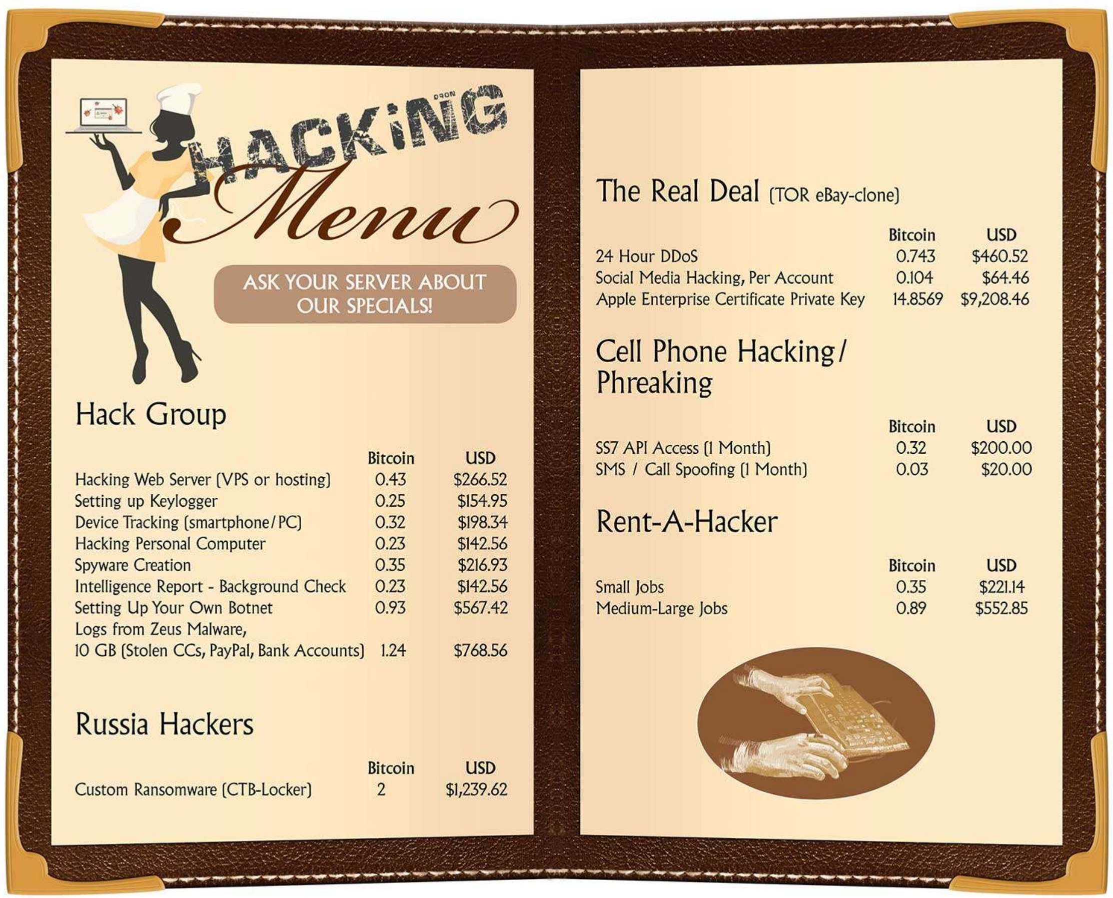


ARMOR

THE BLACK MARKET REPORT

A LOOK INSIDE THE DARK WEB

THE HACKER UNDERGROUND EXPOSED BY ARMOR'S THREAT RESISTANCE UNIT (TRU) RESEARCH TEAM



HACKING Menu

ASK YOUR SERVER ABOUT OUR SPECIALS!

Hack Group

	Bitcoin	USD
Hacking Web Server (VPS or hosting)	0.43	$266.52
Setting up Keylogger	0.25	$154.95
Device Tracking (smartphone/PC)	0.32	$198.34
Hacking Personal Computer	0.23	$142.56
Spyware Creation	0.35	$216.93
Intelligence Report - Background Check	0.23	$142.56
Setting Up Your Own Botnet	0.93	$567.42
Logs from Zeus Malware, 10 GB (Stolen CCs, PayPal, Bank Accounts)	1.24	$768.56

Russia Hackers

	Bitcoin	USD
Custom Ransomware (CTB-Locker)	2	$1,239.62

The Real Deal (TOR eBay-clone)

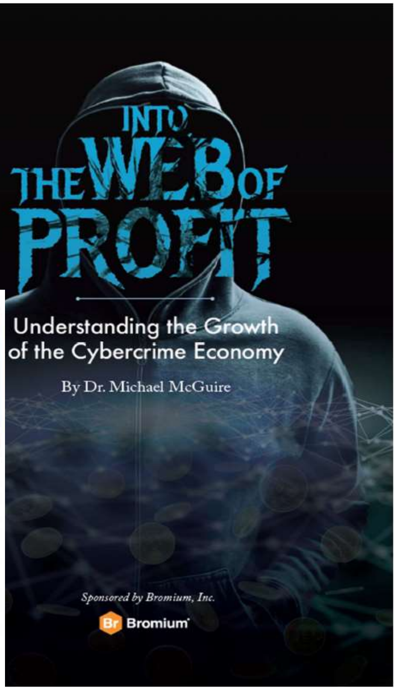
	Bitcoin	USD
24 Hour DDoS	0.743	$460.52
Social Media Hacking, Per Account	0.104	$64.46
Apple Enterprise Certificate Private Key	14.8569	$9,208.46

Cell Phone Hacking/ Phreaking

	Bitcoin	USD
SS7 API Access (1 Month)	0.32	$200.00
SMS / Call Spoofing (1 Month)	0.03	$20.00

Rent-A-Hacker

	Bitcoin	USD
Small Jobs	0.35	$221.14
Medium-Large Jobs	0.89	$552.85



INTO THE WEB OF PROFIT

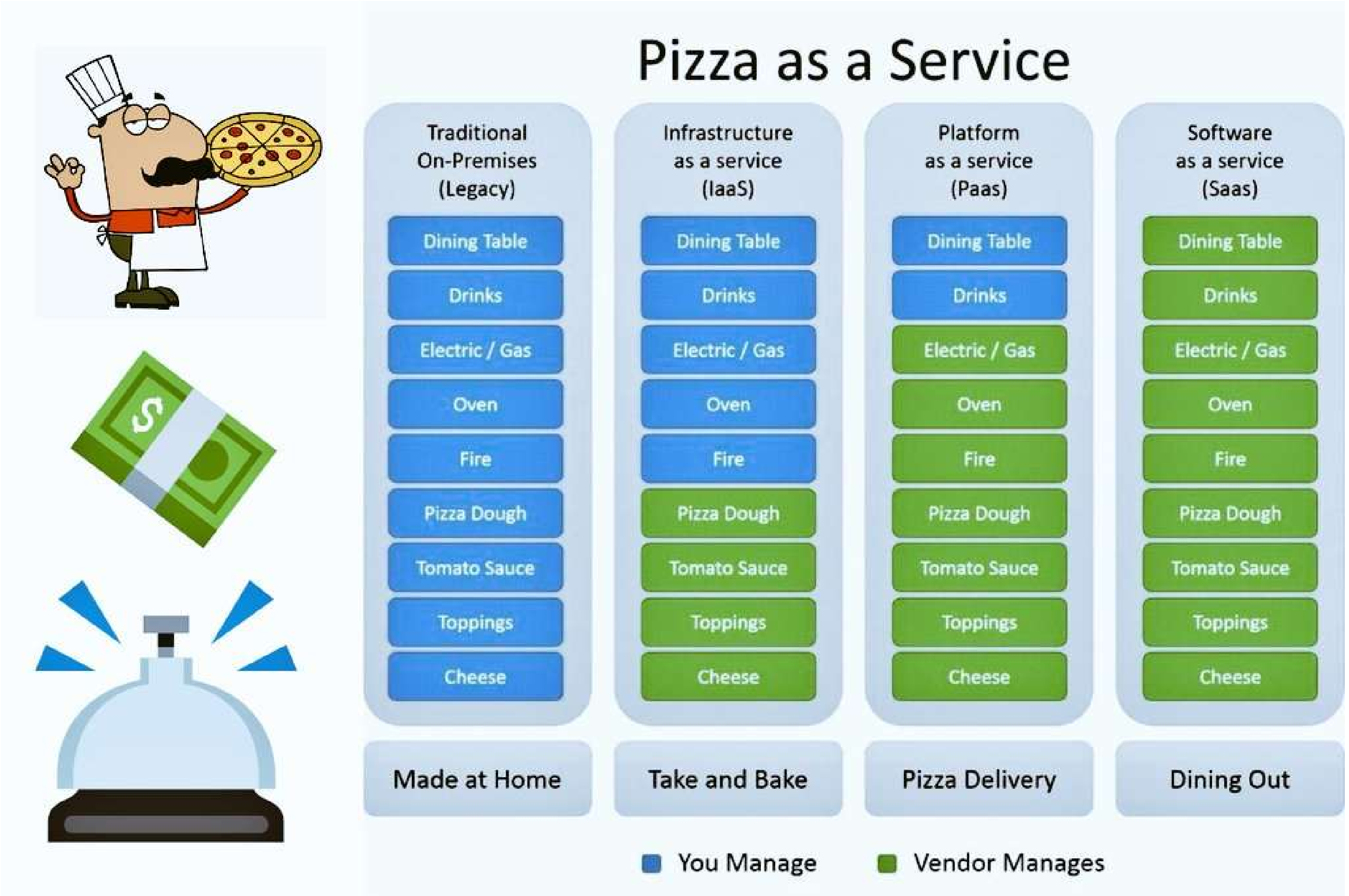
Understanding the Growth of the Cybercrime Economy

By Dr. Michael McGuire

Sponsored by Bromium, Inc.

Bromium

‘as-a-service’ model



Pizza as a Service

Traditional On-Premises (Legacy)	Infrastructure as a service (IaaS)	Platform as a service (Paas)	Software as a service (Saas)
🟦 Dining Table	🟦 Dining Table	🟦 Dining Table	🟩 Dining Table
🟦 Drinks	🟦 Drinks	🟦 Drinks	🟩 Drinks
🟦 Electric / Gas	🟦 Electric / Gas	🟩 Electric / Gas	🟩 Electric / Gas
🟦 Oven	🟦 Oven	🟩 Oven	🟩 Oven
🟦 Fire	🟦 Fire	🟩 Fire	🟩 Fire
🟦 Pizza Dough	🟩 Pizza Dough	🟩 Pizza Dough	🟩 Pizza Dough
🟦 Tomato Sauce	🟩 Tomato Sauce	🟩 Tomato Sauce	🟩 Tomato Sauce
🟦 Toppings	🟩 Toppings	🟩 Toppings	🟩 Toppings
🟦 Cheese	🟩 Cheese	🟩 Cheese	🟩 Cheese
Made at Home	Take and Bake	Pizza Delivery	Dining Out

🟦 You Manage 🟩 Vendor Manages

- Applications
- Data
- Runtime
- Middleware
- O/S
- Virtualization
- Servers
- Storage
- Networking

What CaaS provides?

1. Makes cybercrime easily accessible to novice criminals with limited technical skills

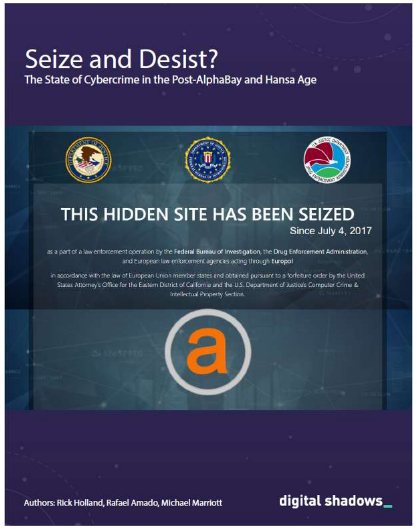
2. Enables specialization, commercialization and cooperation for advanced cyber criminals

“CaaS is a **blackbox**: The attacker can purchase the desired “service” through the dark/surface web **without a detailed understanding of what is involved in its execution.”**

Marketing shift to Forums

- Similar resources also tell that cybercriminals have increasingly taken to using specialist sites and **forums** to advertise their services, before conducting transactions on **private communication channels** like Telegram, Discord, Skype, Jabber, or IRC.

- This marketing shift is claimed to be a result of the **loss of trust to darknet marketplaces** after the seizure or closure of the underground markets (Alphabay, Hansa, Dream, Wall Street).



Seize and Desist?

The State of Cybercrime in the Post-AlphaBay and Hansa Age

THIS HIDDEN SITE HAS BEEN SEIZED

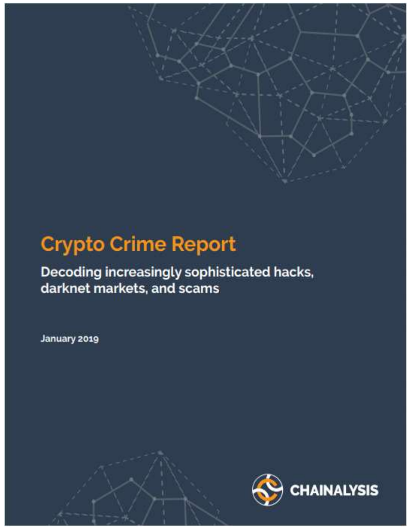
Since July 4, 2017

as a part of a law enforcement operation by the **Federal Bureau of Investigation**, the **Drug Enforcement Administration**, and European law enforcement agencies acting through **Europol**

in accordance with the law of European Union member states and obtained pursuant to a forfeiture order by the United States Attorney's Office for the Eastern District of California and the U.S. Department of Justice's Computer Crime & Intellectual Property Section.

Authors: Rick Holland, Rafael Amado, Michael Marriott

digital shadows_



Crypto Crime Report

Decoding increasingly sophisticated hacks, darknet markets, and scams

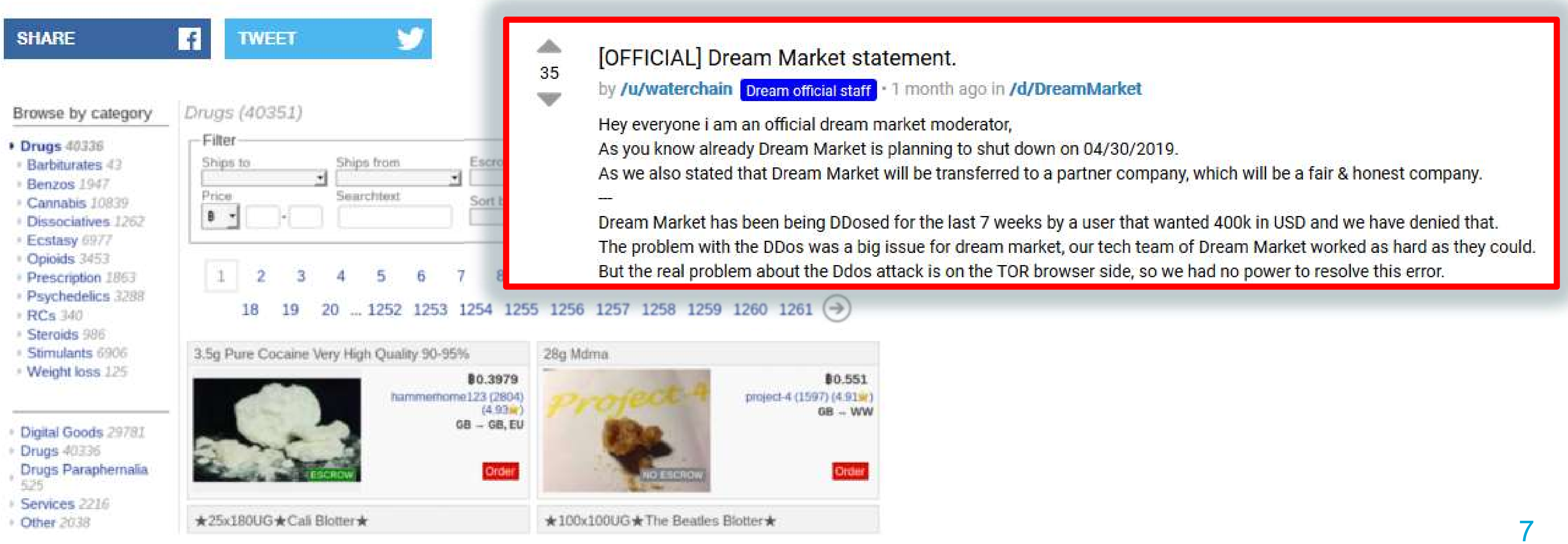
January 2019

CHAINALYSIS

DRUGS | By Mike Power | Apr 10 2019, 2:07pm

The World's Biggest Dark Net Market Has Shut – What Next?

Dream Market is due to close on the 30th of April, under mysterious circumstances. Is the game up for the big online drug bazaars?



Browse by category

- Drugs 40336
  - Barbiturates 43
  - Benzos 1947
  - Cannabis 10839
  - Dissociatives 1262
  - Ecstasy 6977
  - Opioids 3453
  - Prescription 1863
  - Psychedelics 3288
  - RCs 340
  - Steroids 986
  - Stimulants 6906
  - Weight loss 125

- Digital Goods 29781
- Drugs 40336
- Drugs Paraphernalia 525
- Services 2216
- Other 2038

Drugs (40351)

3.5g Pure Cocaine Very High Quality 90-95%
฿0.3979
hammerhome123 (2804) (4.93★)
GB → GB, EU
ESCROW
Order

28g Mdma
฿0.551
project-4 (1597) (4.91★)
GB → WW
NO ESCROW
Order

★25x180UG★Cali Blotter★

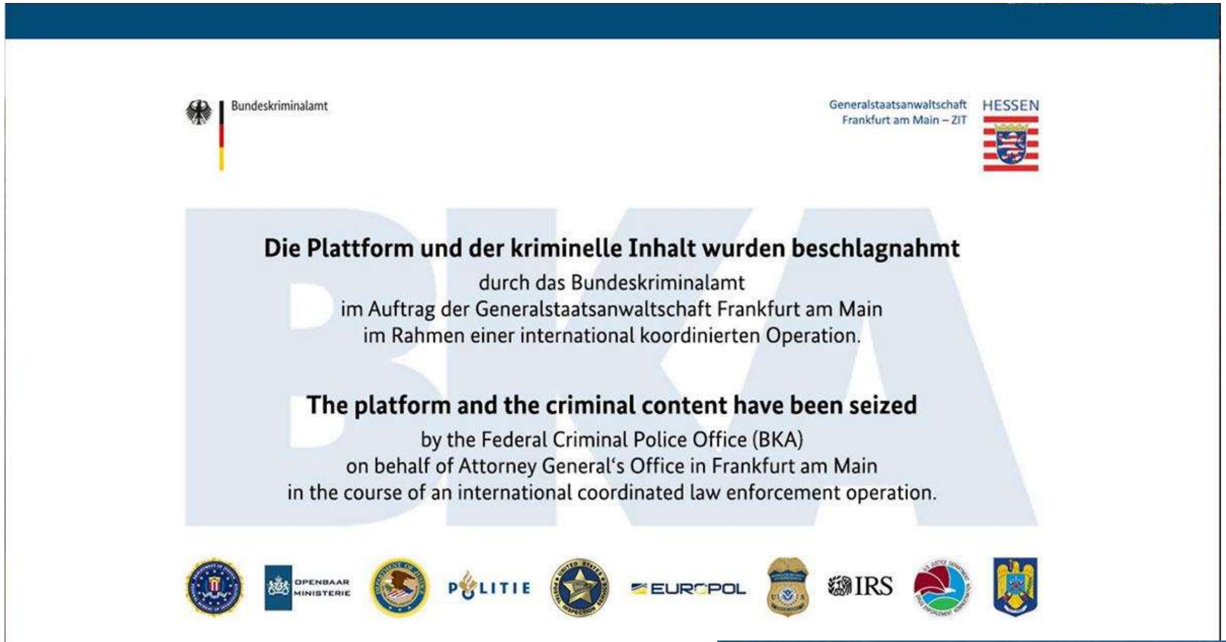
★100x100UG★The Beatles Blotter★

35

[OFFICIAL] Dream Market statement.

by /u/waterchain Dream official staff • 1 month ago in /d/DreamMarket

Hey everyone i am an official dream market moderator,
As you know already Dream Market is planning to shut down on 04/30/2019.
As we also stated that Dream Market will be transferred to a partner company, which will be a fair & honest company.
—
Dream Market has been being DDosed for the last 7 weeks by a user that wanted 400k in USD and we have denied that.
The problem with the DDos was a big issue for dream market, our tech team of Dream Market worked as hard as they could.
But the real problem about the Ddos attack is on the TOR browser side, so we had no power to resolve this error.



Bundeskriminalamt

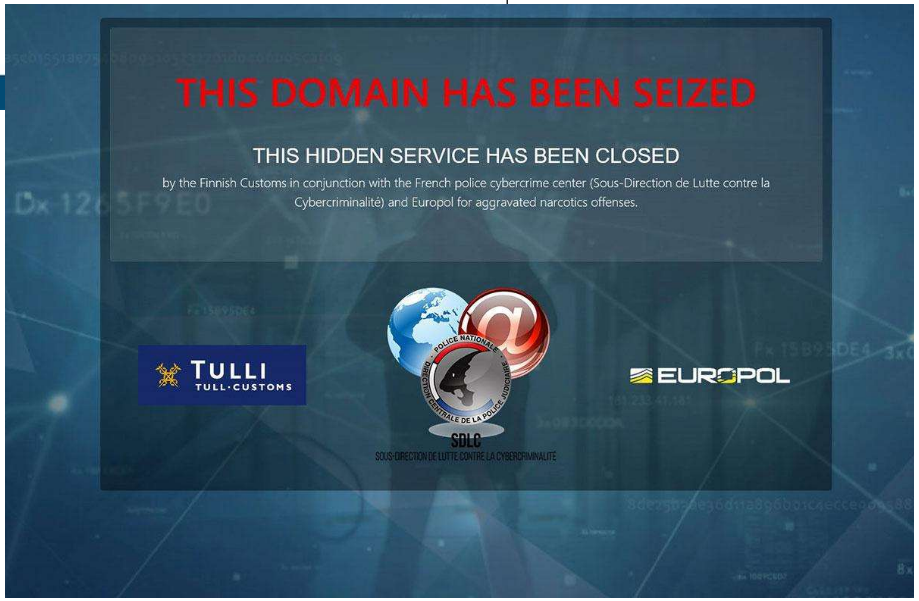
Generalstaatsanwaltschaft
Frankfurt am Main – ZIT

HESSEN

Die Plattform und der kriminelle Inhalt wurden beschlagnahmt
durch das Bundeskriminalamt
im Auftrag der Generalstaatsanwaltschaft Frankfurt am Main
im Rahmen einer international koordinierten Operation.

The platform and the criminal content have been seized
by the Federal Criminal Police Office (BKA)
on behalf of Attorney General's Office in Frankfurt am Main
in the course of an international coordinated law enforcement operation.

Pressemitteilung

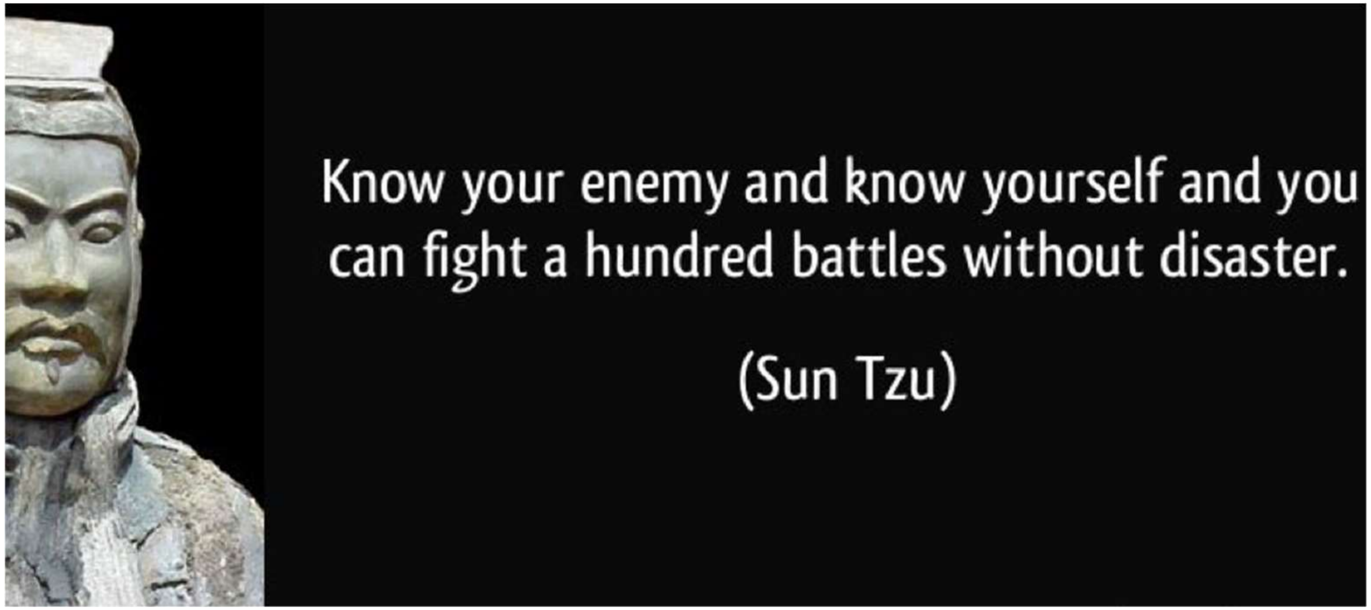


THIS DOMAIN HAS BEEN SEIZED

THIS HIDDEN SERVICE HAS BEEN CLOSED

by the Finnish Customs in conjunction with the French police cybercrime center (Sous-Direction de Lutte contre la Cybercriminalité) and Europol for aggravated narcotics offenses.

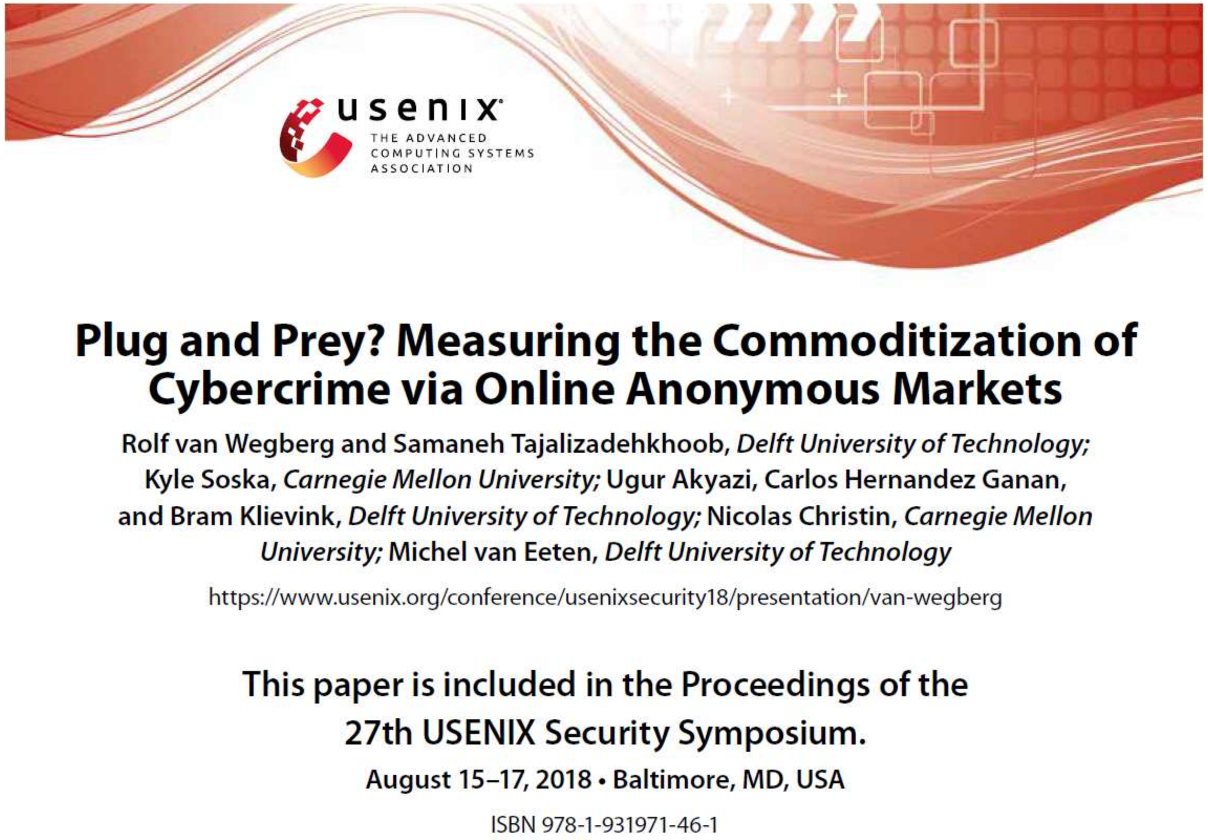
Two of the big dark web marketplaces have been taken down in simultaneous global operations, supported by Europol: the Wall Street Market and the Silkkitie (known as the Valhalla Marketplace), 3 May 2019



Know your enemy and know yourself and you can fight a hundred battles without disaster.

(Sun Tzu)

To combat cybercrimes in an effective way, we not only need to develop technical solutions to protect against attacks but also need to **understand the business structure of underground cybercrime and its development**.



Plug and Prey? Measuring the Commoditization of Cybercrime via Online Anonymous Markets

Rolf van Wegberg and Samaneh Tajalizadehkhoob, *Delft University of Technology;* Kyle Soska, *Carnegie Mellon University;* Ugur Akyazi, Carlos Hernandez Ganan, and Bram Klievink, *Delft University of Technology;* Nicolas Christin, *Carnegie Mellon University;* Michel van Eeten, *Delft University of Technology*

https://www.usenix.org/conference/usenixsecurity18/presentation/van-wegberg

This paper is included in the Proceedings of the
27th USENIX Security Symposium.
August 15–17, 2018 • Baltimore, MD, USA
ISBN 978-1-931971-46-1

- Which parts of cybercrime value chains are successfully commoditized and which are not?
- What kind of revenue do these criminal business-to-business services generate and how fast are they growing?

In our previous paper :

- Analyzed the dataset of Soska and Christin (2015) on seven prominent online anonymous marketplaces (2011-2015) and AlphaBay (2014-2017).

- Implemented a Support Vector Machine (SVM) classifier to predict ten B2B and seven B2C product classes.

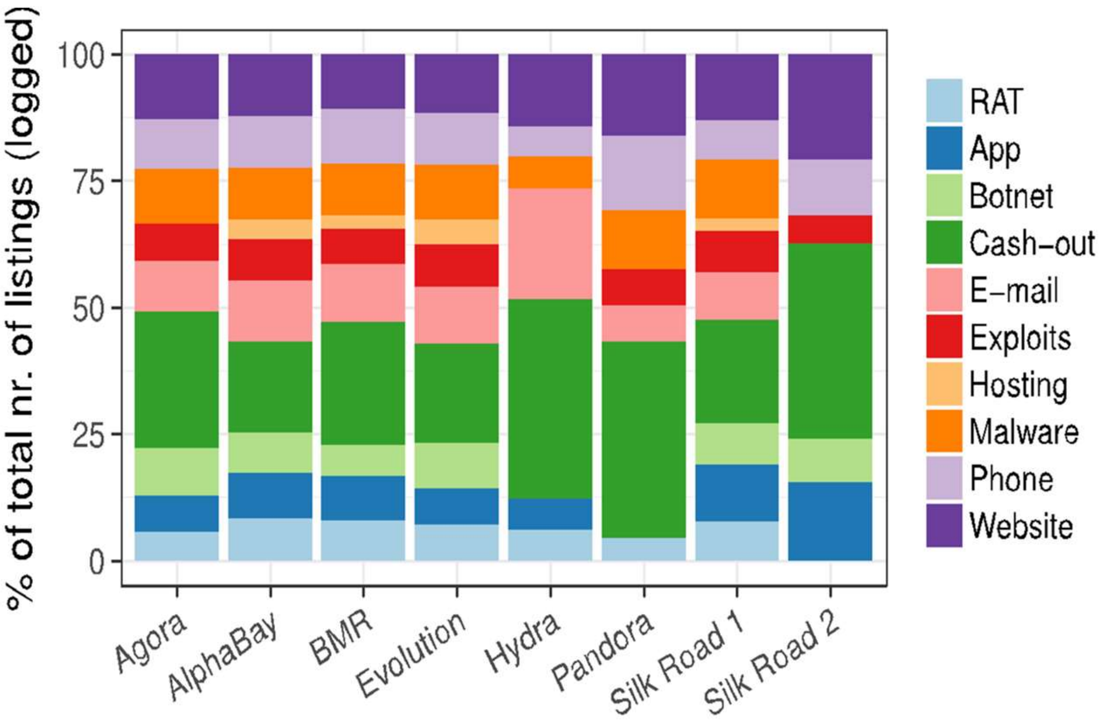
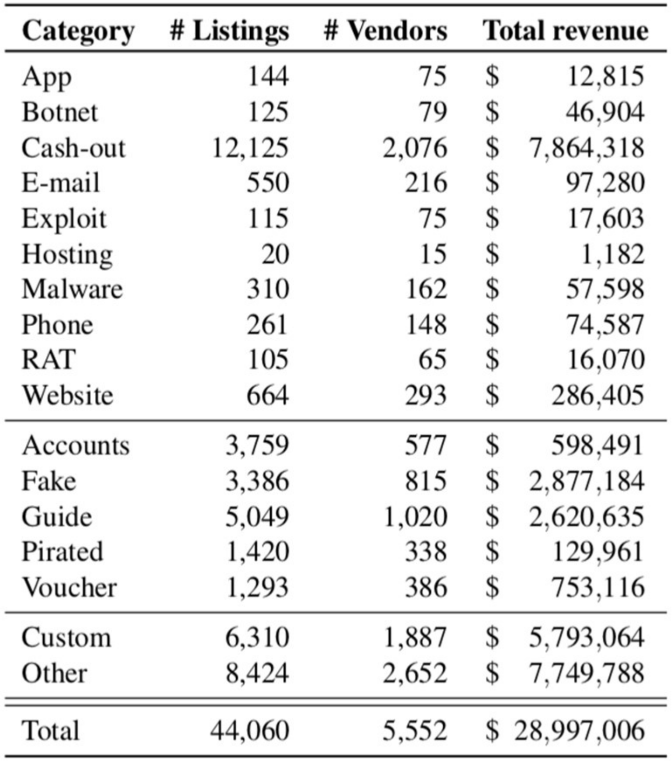


Table 4: **Listings per category.** The top half represents B2B listings, the bottom half, B2C.



Category	# Listings	# Vendors	Total revenue
App	144	75	$ 12,815
Botnet	125	79	$ 46,904
Cash-out	12,125	2,076	$ 7,864,318
E-mail	550	216	$ 97,280
Exploit	115	75	$ 17,603
Hosting	20	15	$ 1,182
Malware	310	162	$ 57,598
Phone	261	148	$ 74,587
RAT	105	65	$ 16,070
Website	664	293	$ 286,405
Accounts	3,759	577	$ 598,491
Fake	3,386	815	$ 2,877,184
Guide	5,049	1,020	$ 2,620,635
Pirated	1,420	338	$ 129,961
Voucher	1,293	386	$ 753,116
Custom	6,310	1,887	$ 5,793,064
Other	8,424	2,652	$ 7,749,788
Total	44,060	5,552	$ 28,997,006

Take-aways

- There is evidence of commoditization, but outsourcing options are restricted and transaction volume is often modest.
    - ➢ partial fulfillment of cybercriminal demand

- The scarcity of supply suggests potentially vulnerable components in criminal value chains. These choke points might be targeted by interventions to raise the transaction costs.

Research questions (work in progress)

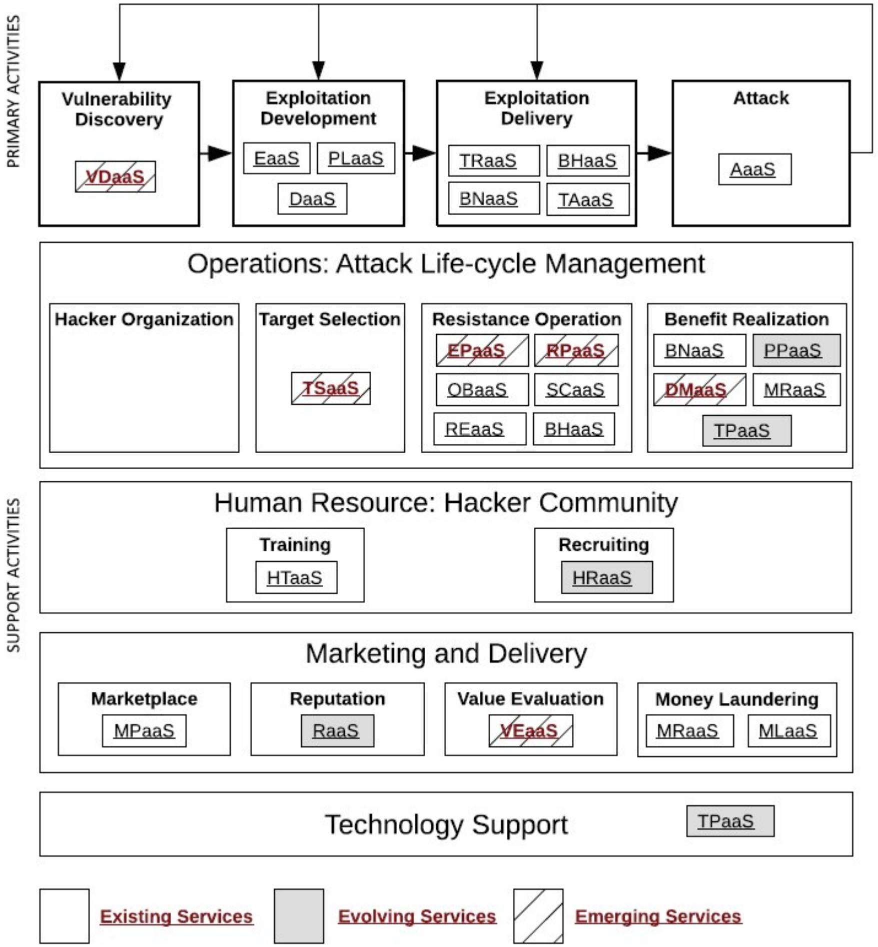
- Which CaaS crimewares are demanded and supplied in underground forums? What is the volume and diversity of these advertisements and ratio of them to non-CaaS ones?

- How do the real CaaS transactions happen? Via the links to external trading platforms or private communication channels?

Methodology

1. Conceptualize the framework of CaaS ecosystem within the cybercrime value chain model,
2. Compile dataset of underground forums and preprocess the data,
3. Create and annotate the ‘ground-truth’ listings manually iot train and test the ML classifier,
4. Develop the ML classifier (w/o decision rules) to map the cybercrime products/services, buy/sell, contact, external links,
5. Analyze the dynamics of CaaS in the fora.

Value Chain Model



PRIMARY ACTIVITIES

Vulnerability Discovery: VDaaS

Exploitation Development: EaaS, PLaaS, DaaS

Exploitation Delivery: TRaaS, BHaaS, BNaaS, TAaaS

Attack: AaaS

SUPPORT ACTIVITIES

Operations: Attack Life-cycle Management

Hacker Organization

Target Selection: TSaaS

Resistance Operation: EPaaS, RPaaS, OBaaS, SCaaS, REaaS, BHaaS

Benefit Realization: BNaaS, PPaaS, DMaaS, MRaaS, TPaaS

Human Resource: Hacker Community

Training: HTaaS

Recruiting: HRaaS

Marketing and Delivery

Marketplace: MPaaS

Reputation: RaaS

Value Evaluation: VEaaS

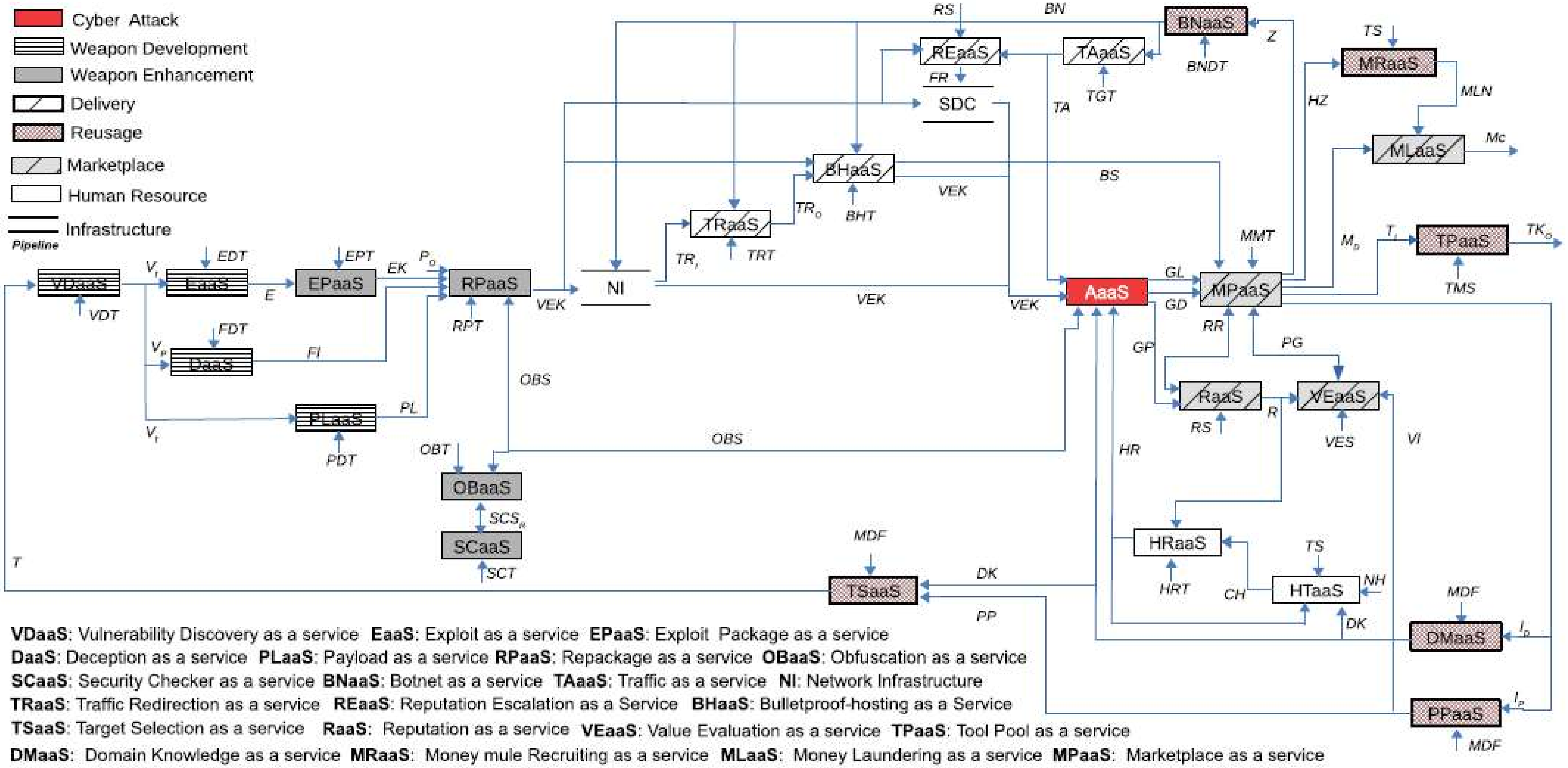
Money Laundering: MRaaS, MLaaS

Technology Support: TPaaS

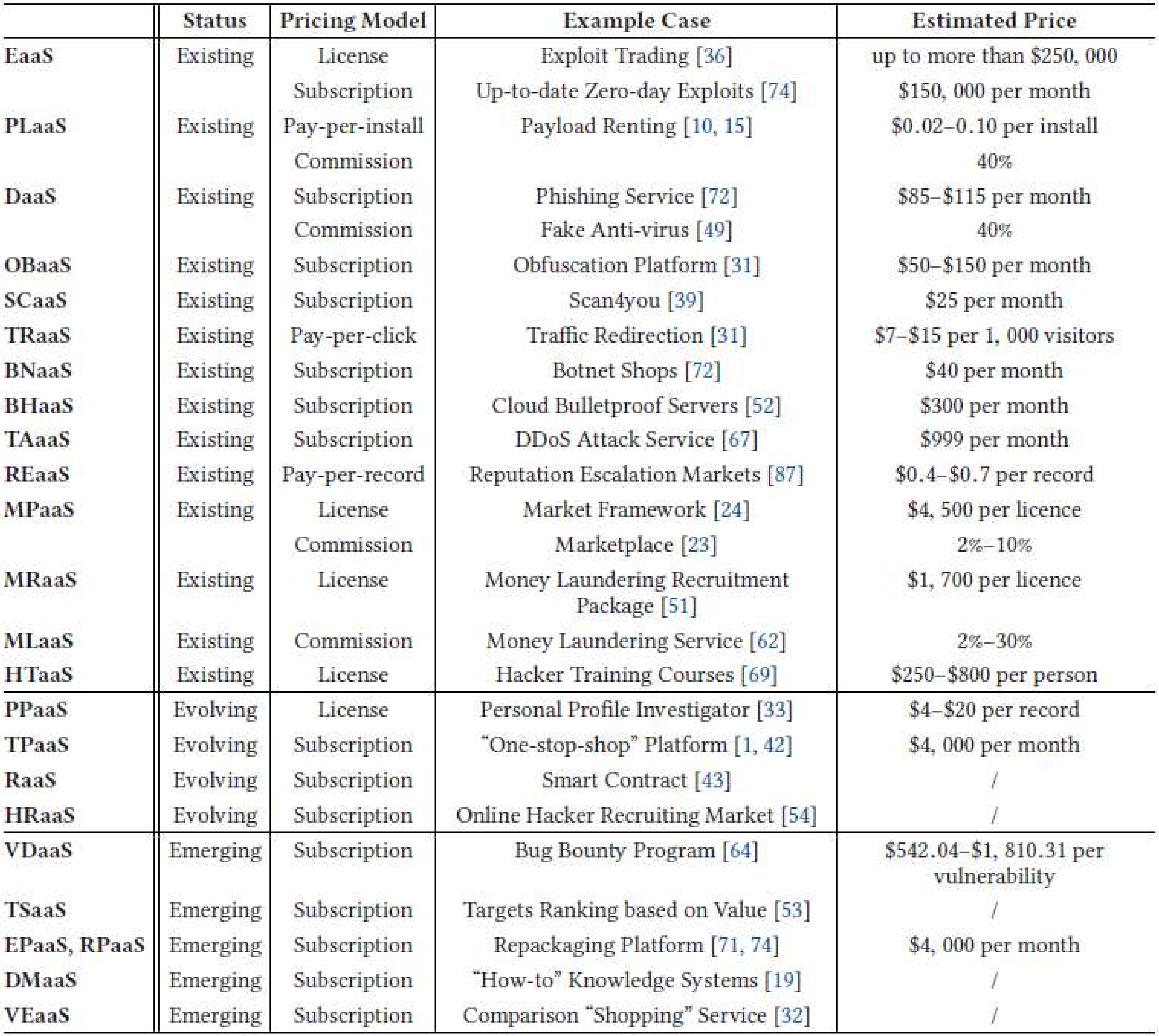
□ Existing Services ▨ Evolving Services ▧ Emerging Services

* Keman Huang, Michael Siegel, and Stuart Madnick. 2018. Systematically Understanding the Cyber Attack Business: A Survey. ACM Computing Surveys. 51, 4, Article 70 (July 2018), 36 pages. https://doi.org/10.1145/3199674

Cybercriminal Service Ecosystem Framework



VDaaS: Vulnerability Discovery as a service **EaaS**: Exploit as a service **EPaaS**: Exploit Package as a service
DaaS: Deception as a service **PLaaS**: Payload as a service **RPaaS**: Repackage as a service **OBaaS**: Obfuscation as a service
SCaaS: Security Checker as a service **BNaaS**: Botnet as a service **TAaaS**: Traffic as a service **NI**: Network Infrastructure
TRaaS: Traffic Redirection as a service **REaaS**: Reputation Escalation as a Service **BHaaS**: Bulletproof-hosting as a Service
TSaaS: Target Selection as a service **RaaS**: Reputation as a service **VEaaS**: Value Evaluation as a service **TPaaS**: Tool Pool as a service
DMaaS: Domain Knowledge as a service **MRaaS**: Money mule Recruiting as a service **MLaaS**: Money Laundering as a service **MPaaS**: Marketplace as a service
SDC: Software Distribution Channel **PPaaS**: Personal Profile as a service **HRaaS**: Hacker Recruiting as a service **HTaaS**: Hacker Training as a service **AaaS**: Multi-step attack as a service

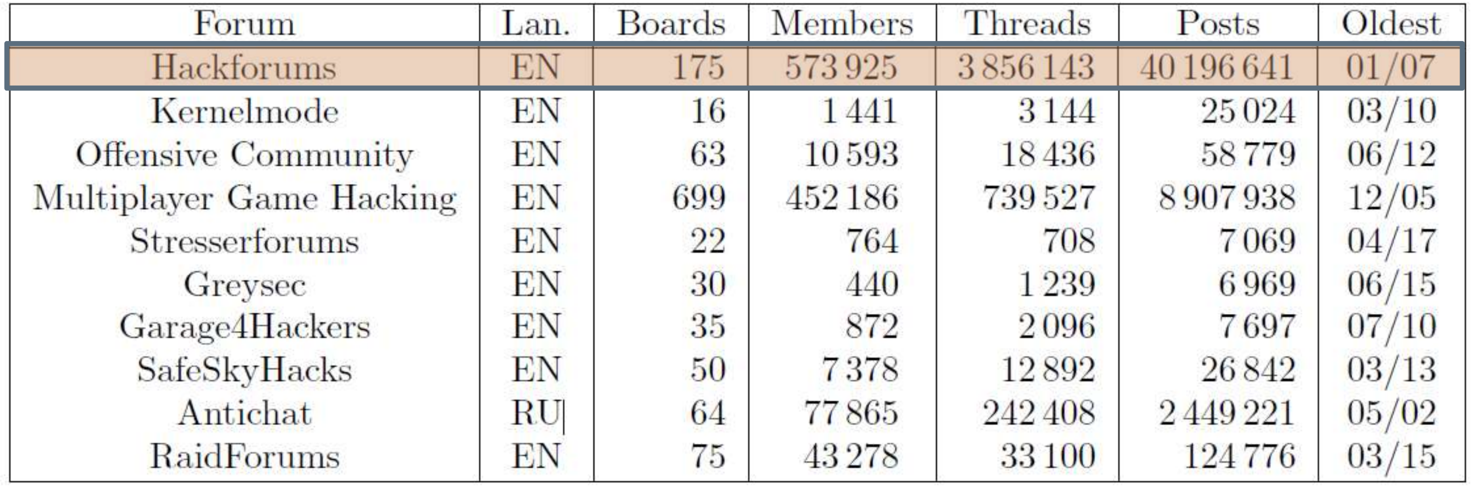


	Status	Pricing Model	Example Case	Estimated Price
EaaS	Existing	License	Exploit Trading [36]	up to more than $250, 000
		Subscription	Up-to-date Zero-day Exploits [74]	$150, 000 per month
PLaaS	Existing	Pay-per-install	Payload Renting [10, 15]	$0.02–0.10 per install
		Commission		40%
DaaS	Existing	Subscription	Phishing Service [72]	$85–$115 per month
		Commission	Fake Anti-virus [49]	40%
OBaaS	Existing	Subscription	Obfuscation Platform [31]	$50–$150 per month
SCaaS	Existing	Subscription	Scan4you [39]	$25 per month
TRaaS	Existing	Pay-per-click	Traffic Redirection [31]	$7–$15 per 1, 000 visitors
BNaaS	Existing	Subscription	Botnet Shops [72]	$40 per month
BHaaS	Existing	Subscription	Cloud Bulletproof Servers [52]	$300 per month
TAaaS	Existing	Subscription	DDoS Attack Service [67]	$999 per month
REaaS	Existing	Pay-per-record	Reputation Escalation Markets [87]	$0.4–$0.7 per record
MPaaS	Existing	License	Market Framework [24]	$4, 500 per licence
		Commission	Marketplace [23]	2%–10%
MRaaS	Existing	License	Money Laundering Recruitment Package [51]	$1, 700 per licence
MLaaS	Existing	Commission	Money Laundering Service [62]	2%–30%
HTaaS	Existing	License	Hacker Training Courses [69]	$250–$800 per person
PPaaS	Evolving	License	Personal Profile Investigator [33]	$4–$20 per record
TPaaS	Evolving	Subscription	"One-stop-shop" Platform [1, 42]	$4, 000 per month
RaaS	Evolving	Subscription	Smart Contract [43]	/
HRaaS	Evolving	Subscription	Online Hacker Recruiting Market [54]	/
VDaaS	Emerging	Subscription	Bug Bounty Program [64]	$542.04–$1, 810.31 per vulnerability
TSaaS	Emerging	Subscription	Targets Ranking based on Value [53]	/
EPaaS, RPaaS	Emerging	Subscription	Repackaging Platform [71, 74]	$4, 000 per month
DMaaS	Emerging	Subscription	"How-to" Knowledge Systems [19]	/
VEaaS	Emerging	Subscription	Comparison "Shopping" Service [32]	/

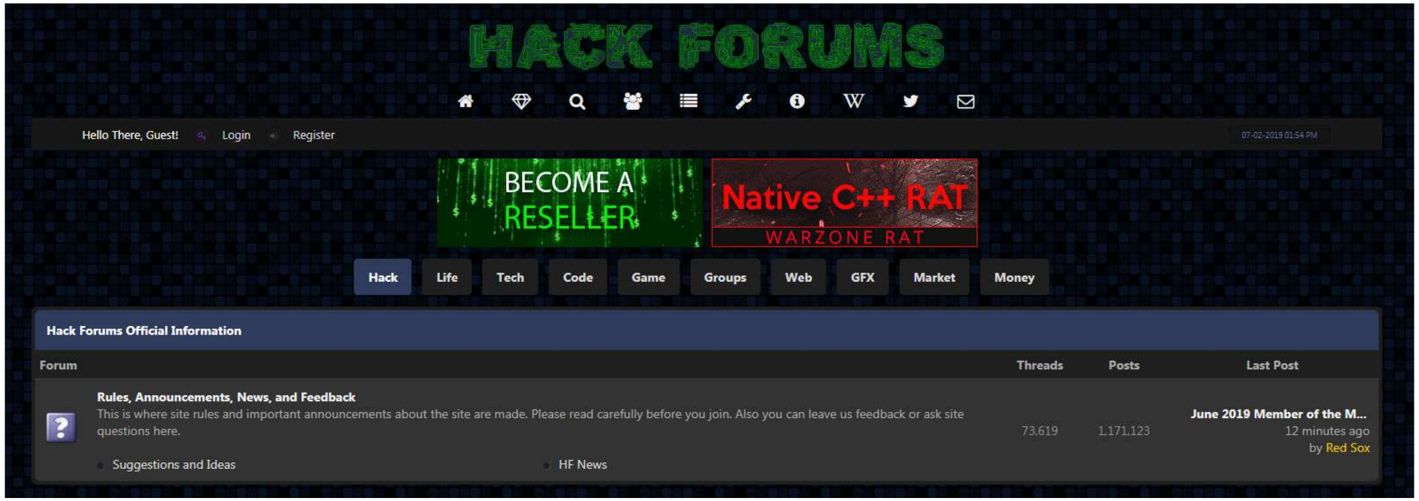
More CaaS

- CAPTCHA solvers
- Phone/SMS verification
- Password cracking
- E-whoring
- Networking and hosting
  - Proxies
  - Remote Desktop Protocol (RDP) service

CrimeBB Dataset
# of Cambridge Cybercrime Centre

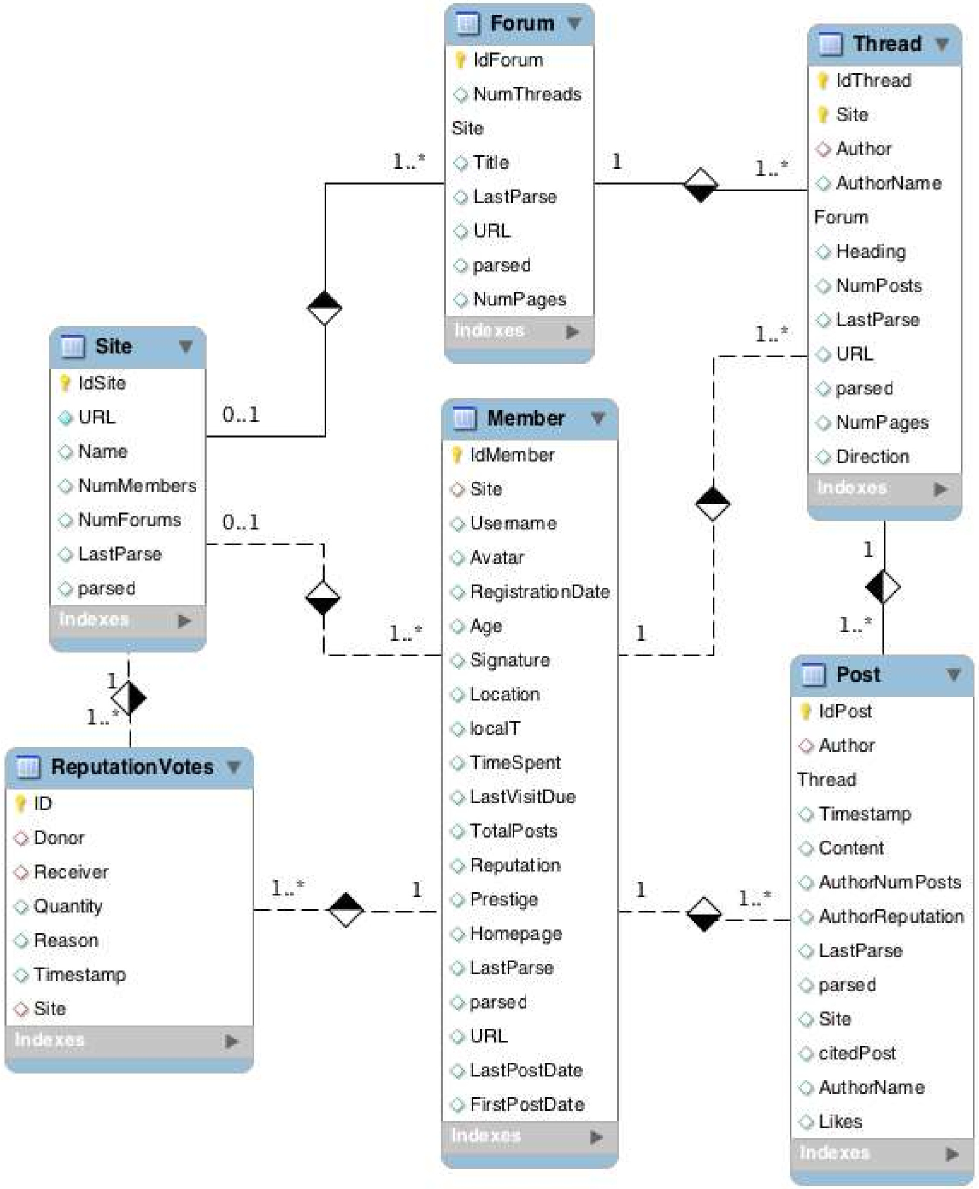


Forum	Lan.	Boards	Members	Threads	Posts	Oldest
Hackforums	EN	175	573 925	3 856 143	40 196 641	01/07
Kernelmode	EN	16	1 441	3 144	25 024	03/10
Offensive Community	EN	63	10 593	18 436	58 779	06/12
Multiplayer Game Hacking	EN	699	452 186	739 527	8 907 938	12/05
Stresserforums	EN	22	764	708	7 069	04/17
Greysec	EN	30	440	1 239	6 969	06/15
Garage4Hackers	EN	35	872	2 096	7 697	07/10
SafeSkyHacks	EN	50	7 378	12 892	26 842	03/13
Antichat	RU	64	77 865	242 408	2 449 221	05/02
RaidForums	EN	75	43 278	33 100	124 776	03/15



Hack Forums Official Information

Forum	Threads	Posts	Last Post
Rules, Announcements, News, and Feedback This is where site rules and important announcements about the site are made. Please read carefully before you join. Also you can leave us feedback or ask site questions here. Suggestions and Ideas HF News	73,619	1,171,123	**June 2019 Member of the M...** 12 minutes ago by Red Sox



Forum
- IdForum
- NumThreads
- Site
- Title
- LastParse
- URL
- parsed
- NumPages
- Indexes

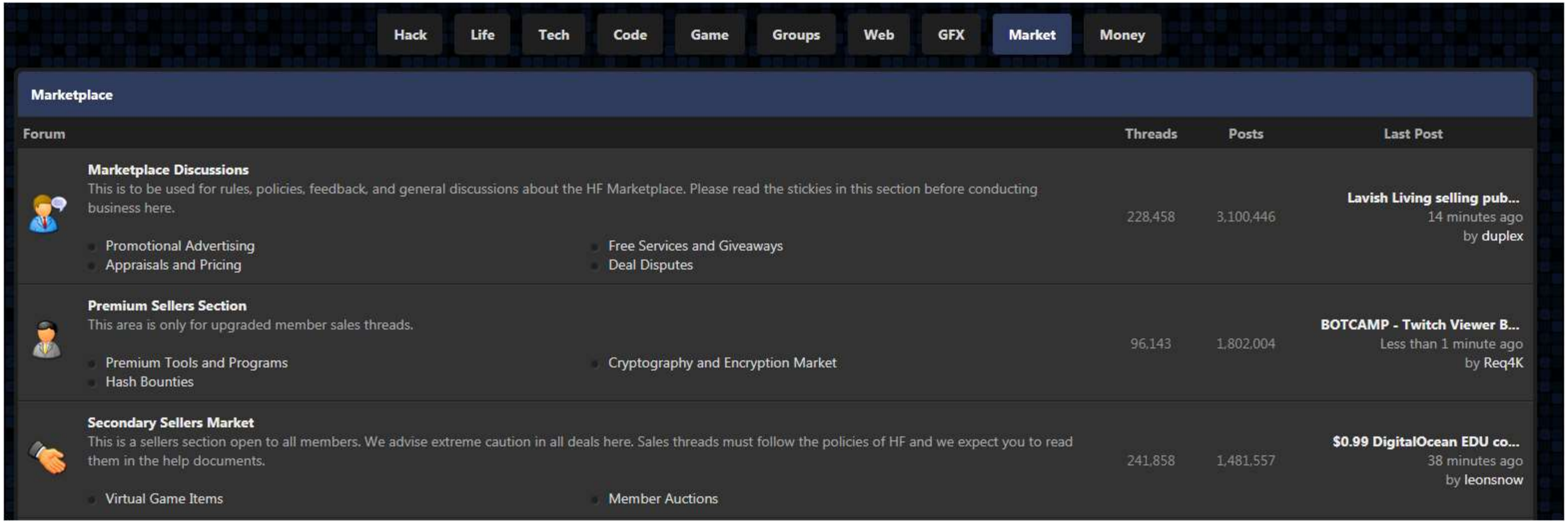
Thread
- IdThread
- Site
- Author
- AuthorName
- Forum
- Heading
- NumPosts
- LastParse
- URL
- parsed
- NumPages
- Direction
- Indexes

Site
- IdSite
- URL
- Name
- NumMembers
- NumForums
- LastParse
- parsed
- Indexes

Member
- IdMember
- Site
- Username
- Avatar
- RegistrationDate
- Age
- Signature
- Location
- localT
- TimeSpent
- LastVisitDue
- TotalPosts
- Reputation
- Prestige
- Homepage
- LastParse
- parsed
- URL
- LastPostDate
- FirstPostDate
- Indexes

Post
- IdPost
- Author
- Thread
- Timestamp
- Content
- AuthorNumPosts
- AuthorReputation
- LastParse
- parsed
- Site
- citedPost
- AuthorName
- Likes
- Indexes

ReputationVotes
- ID
- Donor
- Receiver
- Quantity
- Reason
- Timestamp
- Site
- Indexes



Marketplace

Forum	Threads	Posts	Last Post
Marketplace Discussions This is to be used for rules, policies, feedback, and general discussions about the HF Marketplace. Please read the stickies in this section before conducting business here. Promotional Advertising Free Services and Giveaways Appraisals and Pricing Deal Disputes	228,458	3,100,446	**Lavish Living selling pub...** 14 minutes ago by **duplex**
Premium Sellers Section This area is only for upgraded member sales threads. Premium Tools and Programs Cryptography and Encryption Market Hash Bounties	96,143	1,802,004	**BOTCAMP - Twitch Viewer B...** Less than 1 minute ago by **Req4K**
Secondary Sellers Market This is a sellers section open to all members. We advise extreme caution in all deals here. Sales threads must follow the policies of HF and we expect you to read them in the help documents. Virtual Game Items Member Auctions	241,858	1,481,557	**$0.99 DigitalOcean EDU co...** 38 minutes ago by **leonsnow**

- “All the trades on Hack Forums should be made in the **Marketplace** section, regardless of content.
- A seven-day posting ban and a warning is the penalty for posting marketplace threads outside of the Market tab.”

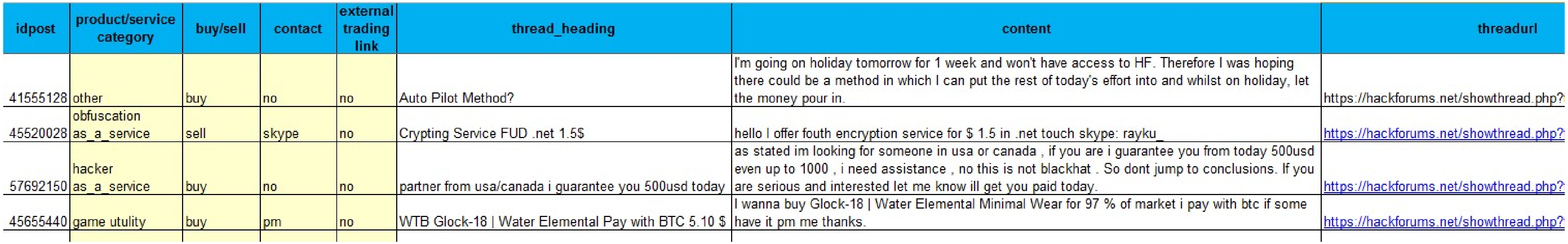
Data preparation

- posts in ‘Marketplace’ section = 9,795,204
- First post of each thread is a supply/demand offering = 1,104,046
- Random ‘ground-truth’ items ≈ 1% = 10,000
- Labelling manually

Types of CaaS offerings

1. Renting the infrastructure or/and the platform,
2. Selling the service of committing the crime,
3. Selling the product but continuing to provide some required services remotely after sale,
4. Selling the product but giving customer support when necessary,

…others are not CaaS but only products.

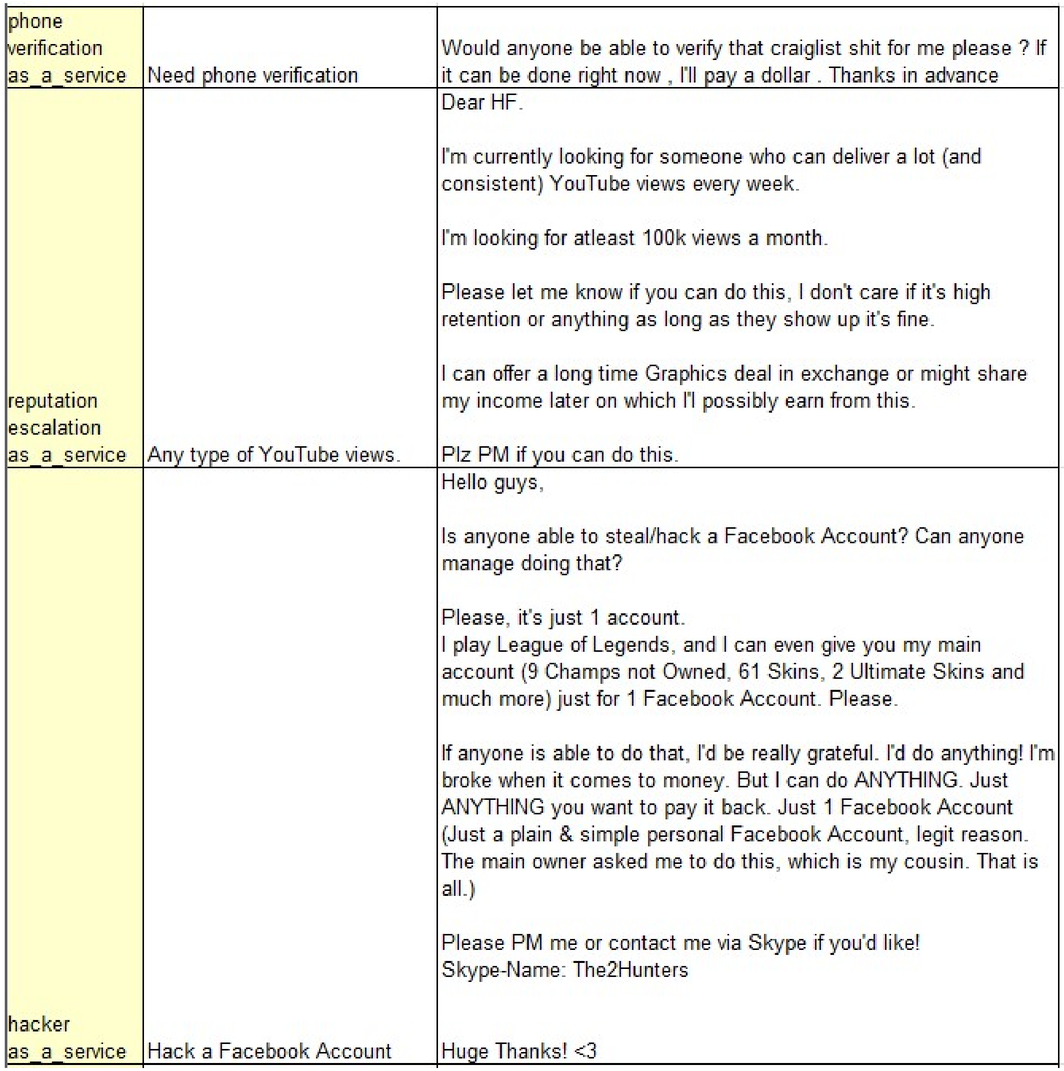


idpost	product/service category	buy/sell	contact	external trading link	thread_heading	content	threadurl
41555128	other	buy	no	no	Auto Pilot Method?	I'm going on holiday tomorrow for 1 week and won't have access to HF. Therefore I was hoping there could be a method in which I can put the rest of today's effort into and whilst on holiday, let the money pour in.	https://hackforums.net/showthread.php?
45520028	obfuscation as_a_service	sell	skype	no	Crypting Service FUD .net 1.5$	hello I offer fouth encryption service for $ 1.5 in .net touch skype: rayku_	https://hackforums.net/showthread.php?
57692150	hacker as_a_service	buy	no	no	partner from usa/canada i guarantee you 500usd today	as stated im looking for someone in usa or canada , if you are i guarantee you from today 500usd even up to 1000 , i need assistance , no this is not blackhat . So dont jump to conclusions. If you are serious and interested let me know ill get you paid today.	https://hackforums.net/showthread.php?
45655440	game utulity	buy	pm	no	WTB Glock-18 | Water Elemental Pay with BTC 5.10 $	I wanna buy Glock-18 | Water Elemental Minimal Wear for 97 % of market i pay with btc if some have it pm me thanks.	https://hackforums.net/showthread.php?

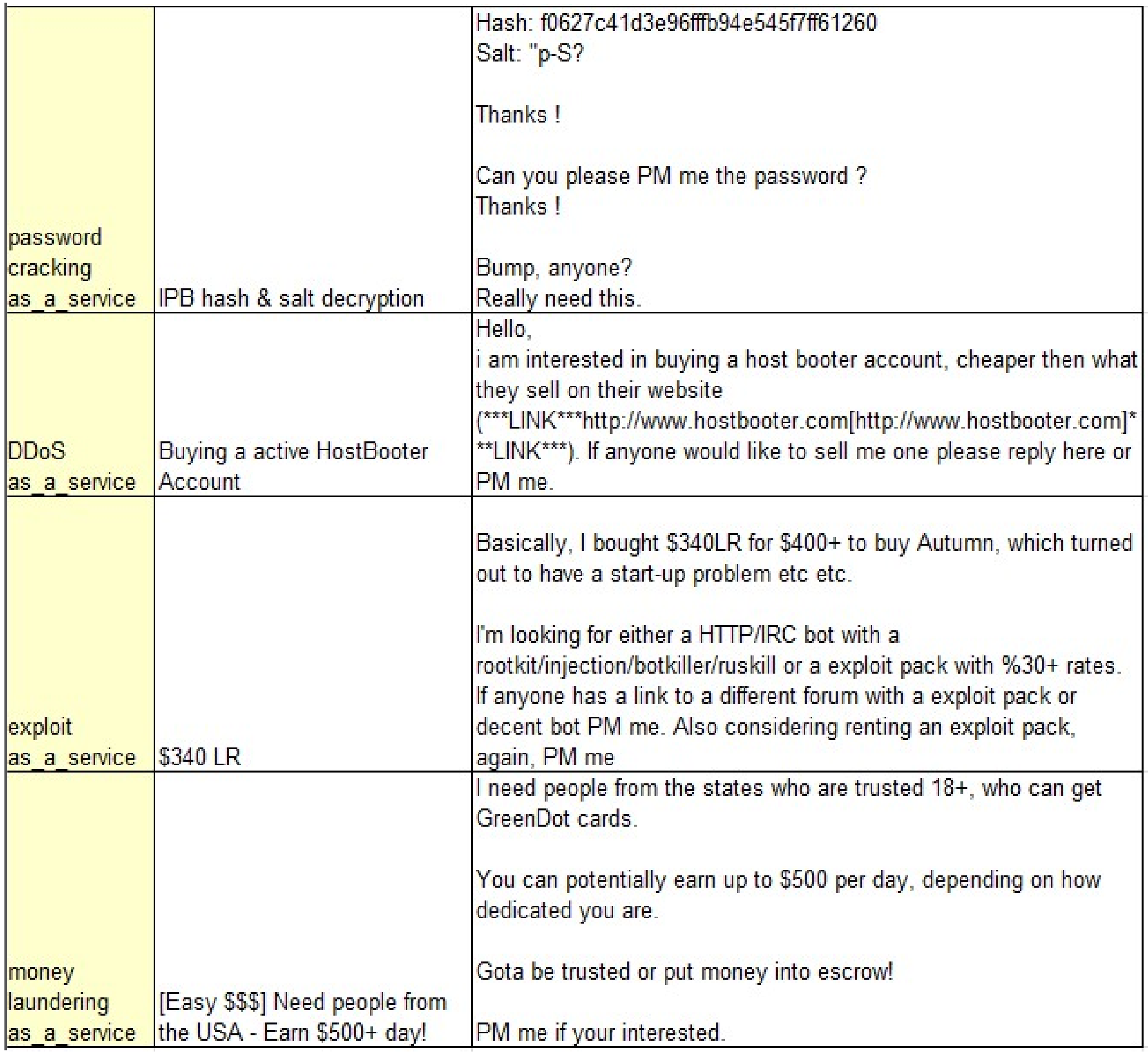
- Product/service category
- Buy/sell or other
- Contact
- External trading link

So far..

- **Products:** RAT, currency exchange, account, game account, game utility, cryptominer, malware
- **As-a-services:** phone verification, reputation escalation, hacker, obfuscation, password cracking, DDoS, exploit, e-whoring, money laundering, RDP
- **Other**



phone verification as_a_service	Need phone verification	Would anyone be able to verify that craiglist shit for me please ? If it can be done right now , I'll pay a dollar . Thanks in advance
reputation escalation as_a_service	Any type of YouTube views.	Dear HF. I'm currently looking for someone who can deliver a lot (and consistent) YouTube views every week. I'm looking for atleast 100k views a month. Please let me know if you can do this, I don't care if it's high retention or anything as long as they show up it's fine. I can offer a long time Graphics deal in exchange or might share my income later on which I'l possibly earn from this. Plz PM if you can do this.
hacker as_a_service	Hack a Facebook Account	Hello guys, Is anyone able to steal/hack a Facebook Account? Can anyone manage doing that? Please, it's just 1 account. I play League of Legends, and I can even give you my main account (9 Champs not Owned, 61 Skins, 2 Ultimate Skins and much more) just for 1 Facebook Account. Please. If anyone is able to do that, I'd be really grateful. I'd do anything! I'm broke when it comes to money. But I can do ANYTHING. Just ANYTHING you want to pay it back. Just 1 Facebook Account (Just a plain & simple personal Facebook Account, legit reason. The main owner asked me to do this, which is my cousin. That is all.) Please PM me or contact me via Skype if you'd like! Skype-Name: The2Hunters Huge Thanks! <3



password cracking as_a_service	IPB hash & salt decryption	Hash: f0627c41d3e96fffb94e545f7ff61260 Salt: "p-S? Thanks ! Can you please PM me the password ? Thanks ! Bump, anyone? Really need this.
DDoS as_a_service	Buying a active HostBooter Account	Hello, i am interested in buying a host booter account, cheaper then what they sell on their website (***LINK***http://www.hostbooter.com[http://www.hostbooter.com]***LINK***). If anyone would like to sell me one please reply here or PM me.
exploit as_a_service	$340 LR	Basically, I bought $340LR for $400+ to buy Autumn, which turned out to have a start-up problem etc etc. I'm looking for either a HTTP/IRC bot with a rootkit/injection/botkiller/ruskill or a exploit pack with %30+ rates. If anyone has a link to a different forum with a exploit pack or decent bot PM me. Also considering renting an exploit pack, again, PM me
money laundering as_a_service	[Easy $$$] Need people from the USA - Earn $500+ day!	I need people from the states who are trusted 18+, who can get GreenDot cards. You can potentially earn up to $500 per day, depending on how dedicated you are. Gota be trusted or put money into escrow! PM me if your interested.

Conclusion

- to better understand the risks to businesses and consumers,
- to support designing better disruption strategies against cybercrime business models,

We aim to disclose how cybercriminals are adapting to new trading and communication processes.

Questions?

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