

Appendix: Underground Services, Tools, and Offers

Contents

Services (provision of methods)	07
Telecom and mobile platforms monetization	07
SIM cards	07
SMS messaging	09
Phone flooding	10
Temporary SMS landing services	11
2FA and SMS interception	13
iPhone scams	13
Phone databases	14
iCloud account unlocking	15
Other Criminal Services	17
Mobile botnet rental	17
Underground criminal directory services	18
Gaming accounts	18
Access-as-a-service	20
Malicious software installs	21
AI offerings	22
Automation and scaling	23
Financial services	26
Identity verification kits and templates for KYC Bypass	26
Opening fraudulent accounts in financial institutions	28
Money laundering and cashout services	28
Cryptocurrency	32
Social engineering	36

Romance baiting	37
Social media services	38
Media design services	39
Adding verified account tag	39
Likes, comments, and followers	40
Social media spamming in private messages and groups.....	41
Access-as-a-service	41
Online account creation	42
Online account sales (e.g., Hulu, Netflix, food apps)	44
Banning assets from the internet	47

Provision of infrastructure49

Hosting services.....	49
Fast flux.....	52
Residential proxies	52
Telegram marketplaces and marketplace toolkits.....	53
Carding shops and platforms.....	54
Cloud of logs.....	55
Political buyers	57

Provision of underground tools58

Criminal business process automation	58
Scripts to emulate user behavior on compromised accounts.....	58
Scam assistant bots.....	59
Zero-day and N-Day Market	61
Zero Day	61
N-Day	62

Crimeware	62
Counter AV (CAV) Tools	62
Checkers	63
Cryptors	64
DDoS/Stressors	65
Crypto wallet drainers	66
Infostealers	66
Phishing	69
Deepfake, KYC, biometrics	70

IT-enabled crime 72

Weapons and drugs	72
Creation of organizational seals	73
Fake document services	74
Human trafficking and contraband	76
Travel and leisure	77
Gift cards	78
Criminal business processes of goods and shipping fraud	79
Car hacking related services	80

Education or training in the Russian-speaking underground	81
Leaked guides and courses on different topics	81
Deanonymization on the internet	82
Crimeware tool education guides	83
SIM card monetization training	84

This appendix details some of the key services, tools, and offers we see offered regularly in the Russian-speaking underground. This is by no means an exhaustive list, nor are all these services unique to the Russian-speaking underground. They also appear in other languages, although they are most mature in the Russian context. We hope to give the reader an understanding of the breadth of offerings, pricing, and the overall successful "as-a-service" nature of today's Russian-speaking criminal underground.

Services (provision of methods)

Telecom and mobile platforms monetization

Telecom platforms connect mobile devices and a variety of equipment, including smart watches, smart meters, and other smart devices. Mobile devices are often more limited in their capability to be integrated into secure environments. This can create blind spots in cyber-kill chains within many attack scenarios. We see many services in the criminal underground supporting this ecosystem.

SIM cards

SIM cards are a critical part of various criminal business processes. They can be used to register and confirm identities, as two-factor authentication (2FA) for account registration, and confirmation of financial transactions. Accessing accounts for government and financial services that are linked to local phone numbers will trigger less alerts compared to accounts registered with numbers from other regions. This creates a demand for SIM cards in specific geolocations. One example is an advertisement in a Telegram channel, with part of the message written in Russian and mixed with Ukrainian, shown in Figure 1.

1.257 subscribers

Pinned message
 Как происходит покупка номера: Пишете мне в личку @ [redacted] Оплата за номер на кошелек; Мы скидае

14 April 2023

Как происходит покупка номера:
 Пишете мне в личку @ [redacted]
 Оплата за номер на кошелек;
 Мы скидаем Вам фото номера;
 Вы получаете код;
 После чего Вам скидают номер подписан Вашем ником и датой , когда покупался номер;
 Так как это физ номер, его можно ставить на любой сервис и код опять же после активации вы можете получить написавши нам в личку @ [redacted]
 Если вы берете номер для воцапа, его можно разбанить, и не только один раз, пишете в личку и Вам дадут силку для разбана;
 Если нужно разбанить номер или получить код на номер какой вы брали, нужно кинуть подписаний номер , который вы получили после , как поставили номер, фото чека;
 Мы работаем с 10:00 по 00:00;
 Номера ворк в роумингу, по этому через некоторое время (месяц) их нужно пополнять.

Условия оплаты:
 ! USDT TRC 20
 ! BTC
 ! CRYPTO BOT

* Купуючи товар в інтернеті, покупець самостійно приймає рішення і несе відповідальність за способи його використання в рамках діючого законодавства.
 ** Вся інформація, опис і ціни в цій групі наведені для ознайомлення і не є публічною офертою.

Обращаться в лс: @ [redacted]

[https://t.me/\[redacted\]](https://t.me/[redacted]) Наш канал новостей и наличия Сим карт!!!

Физ. номера: [redacted]

- Польша ✓
- Чехия ✓
- Словакия ✓
- Словения ✓
- Венгрия ✓
- Франция ✓
- Австралия ✓
- Малайзия ✓
- Дания ✓
- Финляндия ✓
- Молдова ✓
- Греция ✓
- Израиль ✓
- Литва ✓
- Австрия ✓
- Италия ✓
- Эстония ✓
- Германия ✓
- Испания ✓
- Англия ✓
- Португалия ✓
- Румыния ✓
- Филиппины ✓
- Аргентина ✓
- Латвия ✓
- Кипр ✓
- Сербия ✓
- Швеция ✓
- Хорватия ✓
- Мексика ✓
- Грузия ✓
- Нидерланды ✓
- Гонконг ✓
- Тайланд ✓

Обращаться в лс: @ [redacted]

[https://t.me/\[redacted\]](https://t.me/[redacted]) Наш канал новостей и наличия Сим карт!!!

Figure 1. Availability of SIM cards available for purchase from the countries shown by flags at the bottom

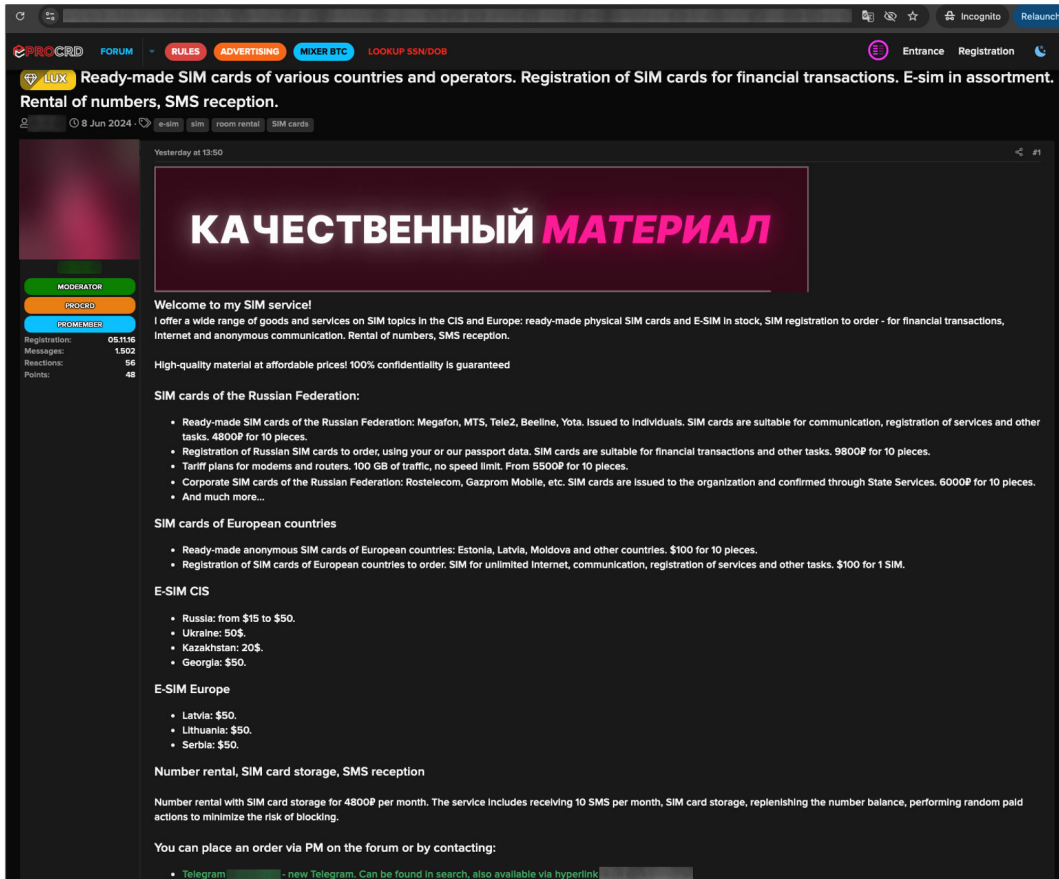


Figure 2. Another example of anonymous SIM card pricing on the ProCrd forum showing prices ranging from US\$15 to US\$50 depending on the country

SMS messaging

SMS messaging services can be used as part of phishing campaigns (also known as smishing), scam operations, and a variety of extortion schemes.

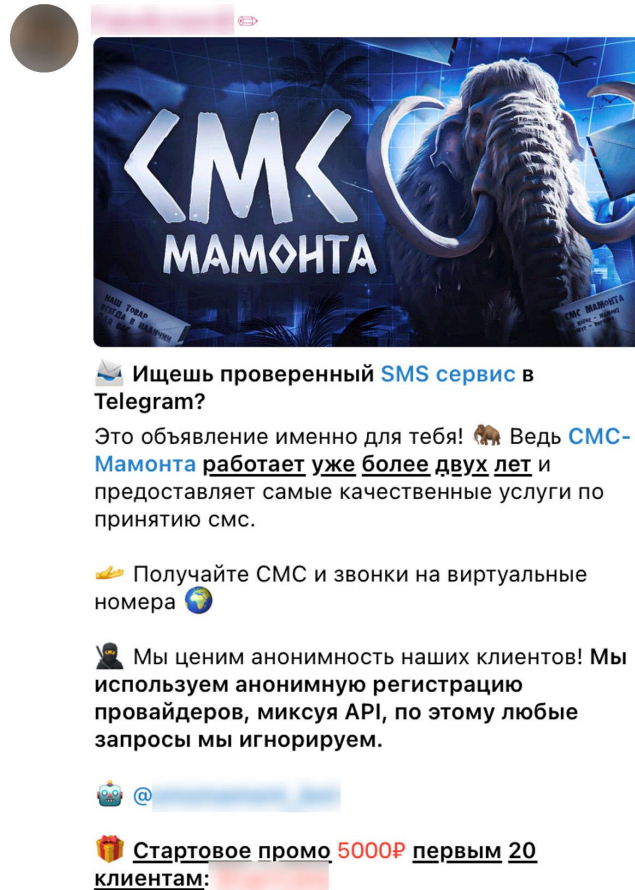


Figure 3. A customized SMS messaging service for scam operations advertised in Telegram

The figure above advertises a service called “SMS for Mammoths” which has been providing services for SMS and phone calls landing for over two years. The service claims to use anonymous registration, mixing API queries, and ignoring abuse and law enforcement requests.

Phone flooding

Phone flooding is the practice of generating large volumes of calls to a target number. It is a form of denial of service and leveraged in several scenarios – for example, pressuring a victim (e.g. virtual kidnapping attacks) or buying time to avoid the detection or mitigation of other ongoing attacks. It can also be used to overload business hotlines while there is an ongoing money heist to allow time for fund transfers before the company is alerted.

Flooding is not always done by leveraging random lines to make calls and overload the target's line – there are also more creative approaches to reach these goals. For example, victim's phone number can be published on a variety of message boards and associated with goods for sale at a very good price, leading to real people calling at scale and overloading the line.

Phone Spammer - Spammer (flood) of phones via ad sites

29 Aug 2022

phone flooder
mass phone calls

Телефонный флуд!

FPNL v2.0

FLOODER PHONE NUMBERS
LIGHT VERSION

phone number

proxy

start calling

100 %

The program goes to online stores and leaves a phone number to which they call back in a few minutes.

On some sites you can specify a name, the program itself generates names, but you can cancel the generation and specify the desired name.

The database of online stores with which the program works will be provided. Plus, you can collect your own database of sites.

You will only need a phone number. You can work through a proxy or without them. Proxies are provided with the program. When you buy this program, you get a second one for free. The second program for flooding, works through sip operators.

Price: 3000 rubles.

Program website:

You can test the program before buying. First, you check the program, and if everything suits you, you buy it.

Figure 4. Phone flooding service for approximately US\$30

Temporary SMS landing services

SMS landing services are widely leveraged in creating accounts for different social media, email, e-commerce, and messaging platforms at scale. They allow a user to receive an identity verification SMS message during the account setup process. Normally, the customer of such a service can choose the geographical region and the service needed. There are automation platforms like Telegram bots or APIs that allow the scaling of account creation procedures.

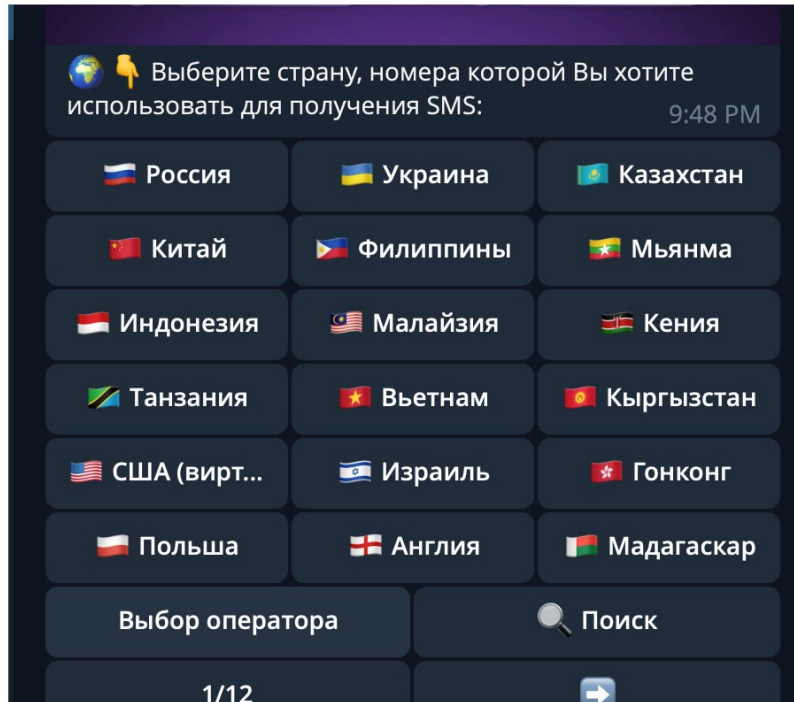


Figure 5. Temporary SMS landing service showing the countries they can provide

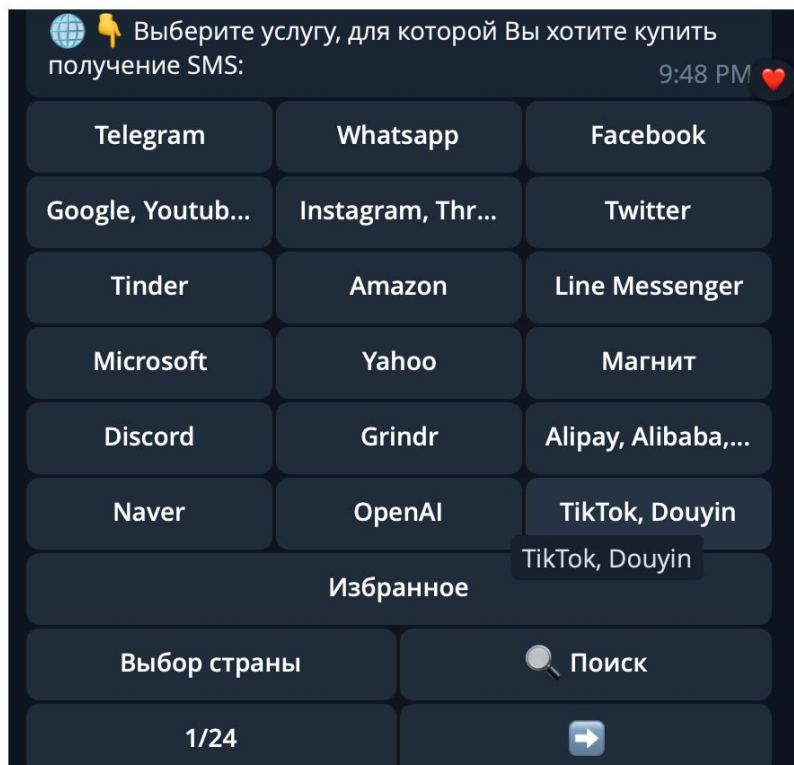


Figure 6. Temporary SMS landing service showing the type of SMS verification they are currently working with (as online services actively look to block such SMS services)

2FA and SMS interception

SMS interception services can take over valuable digital assets and collect sensitive information about victims by intercepting SMS enroute to a target. The implementation of this service can require advanced technical skills and possession of access to a telecom environment. Interception is often used to take over access to financial accounts or collect information, which can be used as extortion leverage.

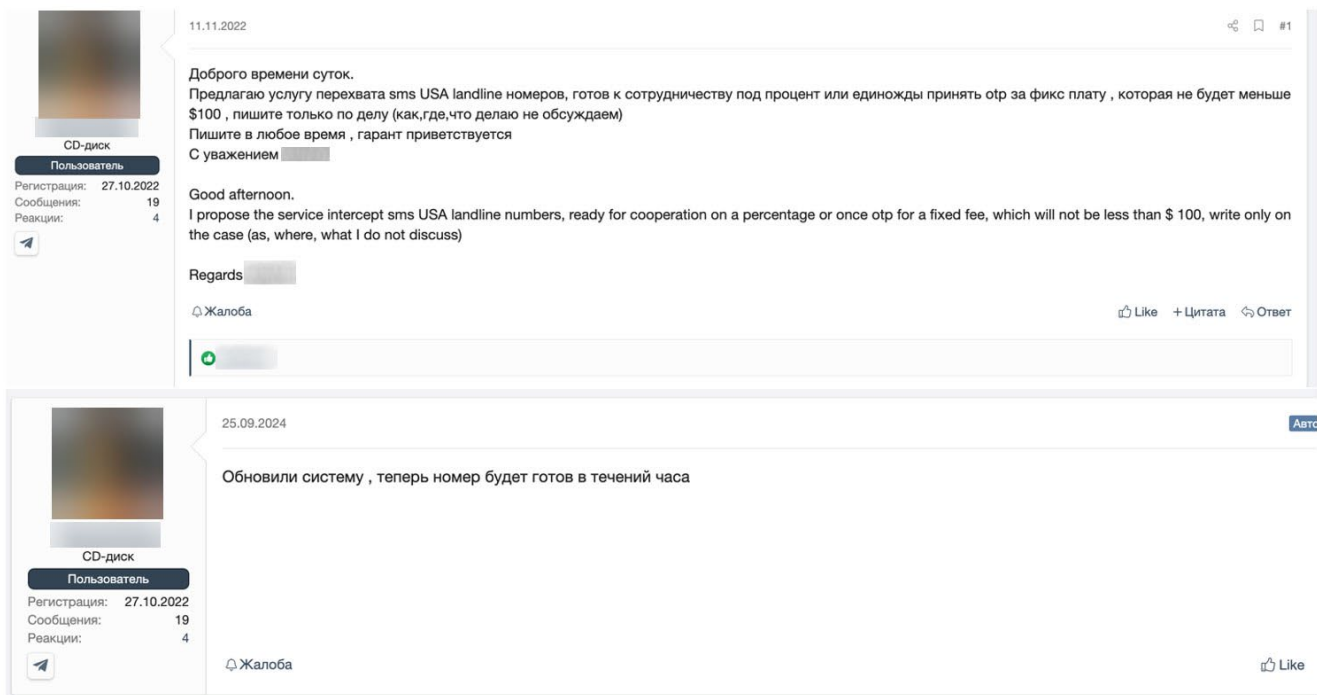


Figure 7. SMS interception service offered in the USA for a minimum of US\$100 per SMS

iPhone scams

Among iPhone scams, it is worth highlighting scenarios where attackers use social engineering to trick a victim into connecting to an attacker-controlled iCloud account. While this is not the only scam targeting iPhone users, it is currently one of the most popular on the market. Once in place, the attacker intercepts access to the victim's iPhone and uses this access as a form of extortion. An example of a detailed manual for this is shown in Figure 8. This manual is a good example to use in awareness programs for educating people about the risks of mobile devices.

Scamming iPhone Owners

• August 19, 2022



Hello, in this manual I will tell you about a current method of scamming iPhone owners. The topic is very profitable, enjoy reading.

- 1) Go to the website icloud.com and register an account.
- 2) We buy a female VK account (it costs about 20 rubles on websites).
- 3) Log into your VK account and spam groups such as: cars, apartments, Apple repairs, women's forums, and in general any groups that come to mind.
- 4) Write the following message:
Urgently need a person who has an iPhone, iPad or MacBook, really need it for help. I'll pay 500-1000 rubles for 5 minutes of work.
(This text was an example, I advise you to prepare your own text)
- 5) Then 30-50-100 people will start writing to you, you won't even have time to answer everyone.
- 6) Write the following message

Example:

I AM A NAIVE GIRL, I WENT TO VACATION IN TURKEY AND BROKEN MY IPHONE ON ARRIVAL, ALL THE PHOTOS REMAINED ON IT, THERE IS NO POSSIBILITY TO REPAIR THEM, BUT I NEED THE PHOTOS. PLEASE HELP ME GET THEM, I WILL PAY 500-1000P.

In 70% of cases, mammoths agree.

8) If the mammoth agrees, you give the login and password that you registered in point [1]

9) He logs into the account and writes you something like this:

I went into your account, there are no photos.

At this point, you go back to icloud.com and change your password.

That's it, the mammoth is activated under your iCloud on your iPhone.

Consider that 90% of the work is yours.

10) We are already using SI. And so, purely formally, we say: I don't know how this can be, try rebooting the iPhone.

He reboots and again there is nothing, you turn on the naive fool. And you say:

This will enable the Find My iPhone feature.

11) If he turns on the "find iPhone" function, go to the cloud through your personal account and click "lost iPhone", enter the message to display on his screen: Transfer 5000 rubles to number 7***** *** or to a Qiwi wallet, there we decide where to transfer, etc.

12) I will say for those who are in the dark and do not understand the essence:

If the iPhone is blocked, or the owner simply does not know the password to the cloud, then the iPhone is like garbage, even if you throw it away, there is no way to remove it, not one service can remove it, that is, it has no choice but to pay you.

13) Even if he doesn't turn on the "find iPhone" function and he suspects something, then you just say: Well, ok, bye, if you need me, write. After a while, he will write to you himself, because you have already changed the password and he will not be able to log out. He has no choice but to write to you. In this case, we also ask for money.

Most people have the "Find iPhone" function enabled initially, so as soon as the mammoth has logged in under your account, go to iCloud and check if this function is enabled. With a good approach to this manual, you can have a pretty good profit.

Figure 8. Example of the iPhone access monetization business model

Phone databases

Phone databases are important assets needed in a variety of criminal business processes related to scam, fraud, or extortion. Phone databases for mobile phones are also used in phishing campaigns that leverage SMS messages. An example of an advertisement of such databases with precision up to city level in Ukraine is shown below.

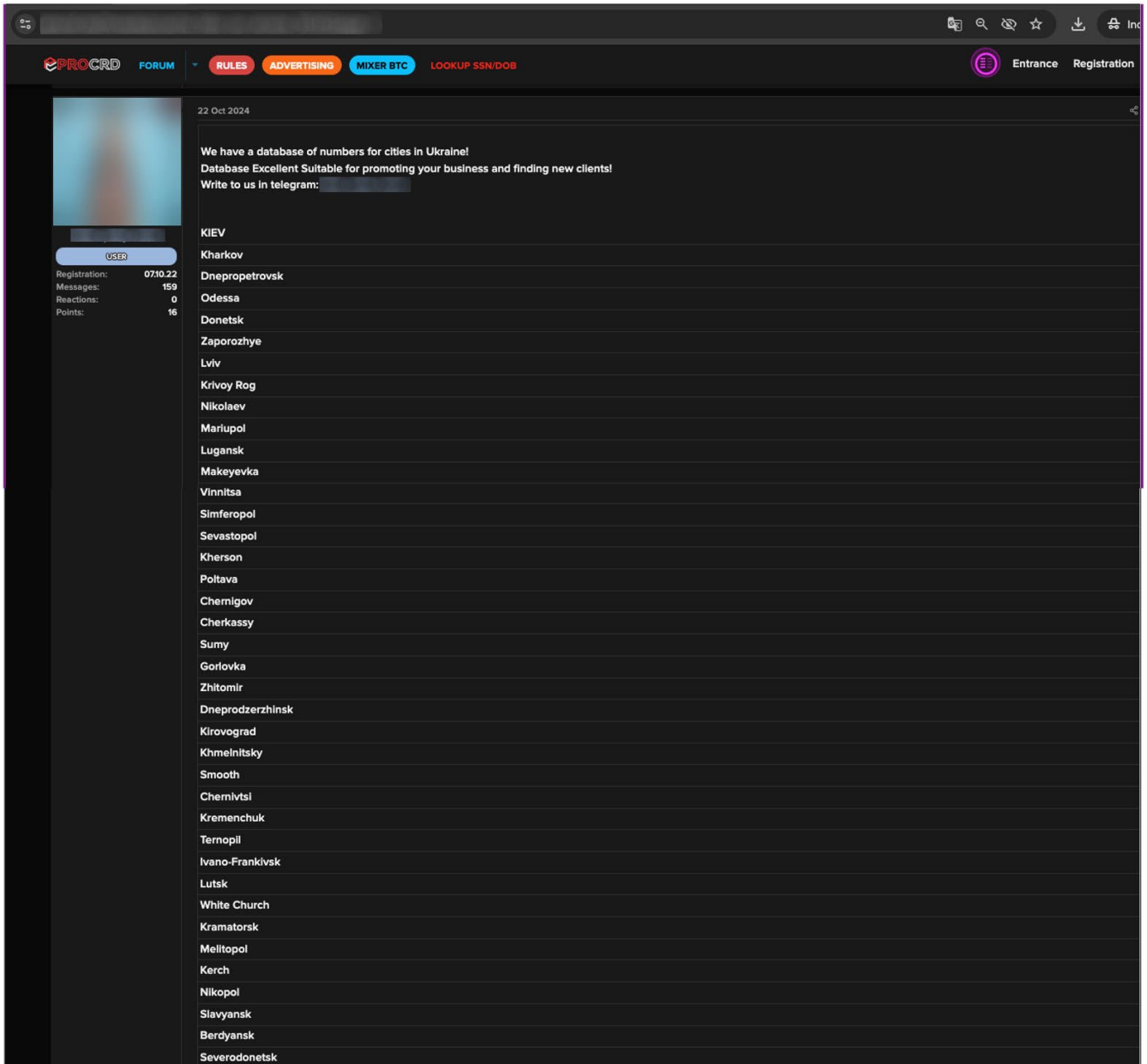


Figure 9. Ukrainian phone database advertisement

iCloud account unlocking

iCloud account unlocking (i.e., hacking an iCloud account) is advertised on underground forums. Since this service requires advanced skills and techniques, the price of the service is often listed as “on request.” Sellers are also secretive about how they accomplish this task (e.g., via phishing, SMS intercept, social engineering). However, many are successful based on their reputation and reviews. When a default price is shown, it is often high, as seen in the example below where the service costs US\$2,000.

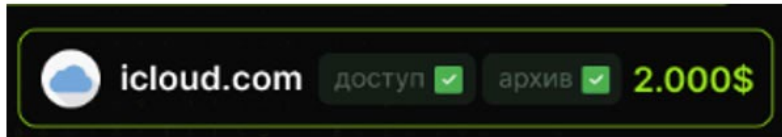


Figure 10. Example of an iCloud account unlocking access price

The advertisement below shows the request for iCloud unlocking services, which the author wants done as revenge against another criminal who successfully attacked the phone of the author themselves.

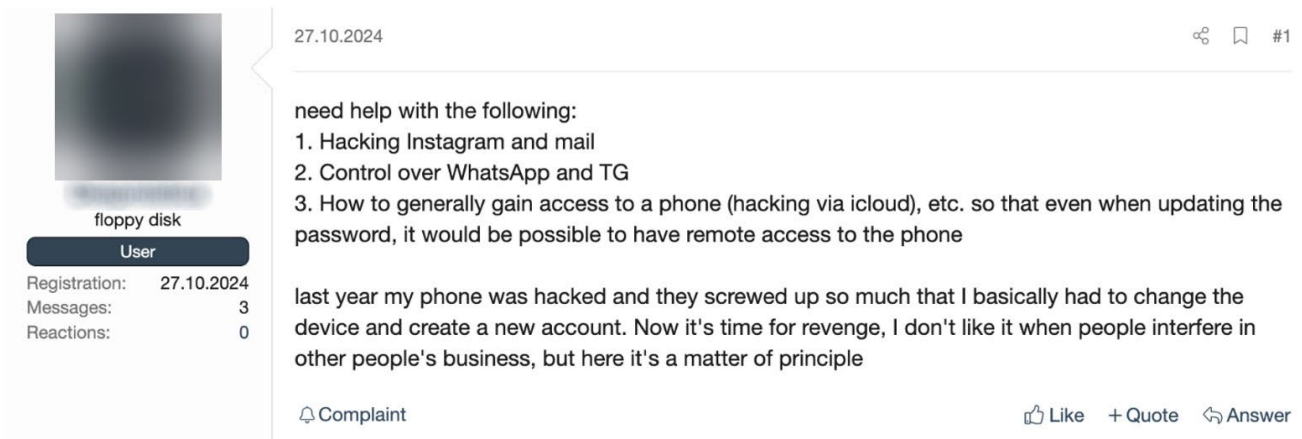


Figure 11. Example for request to compromise accounts and devices using iCloud

An example of a request to access media content stored in iCloud is shown below.

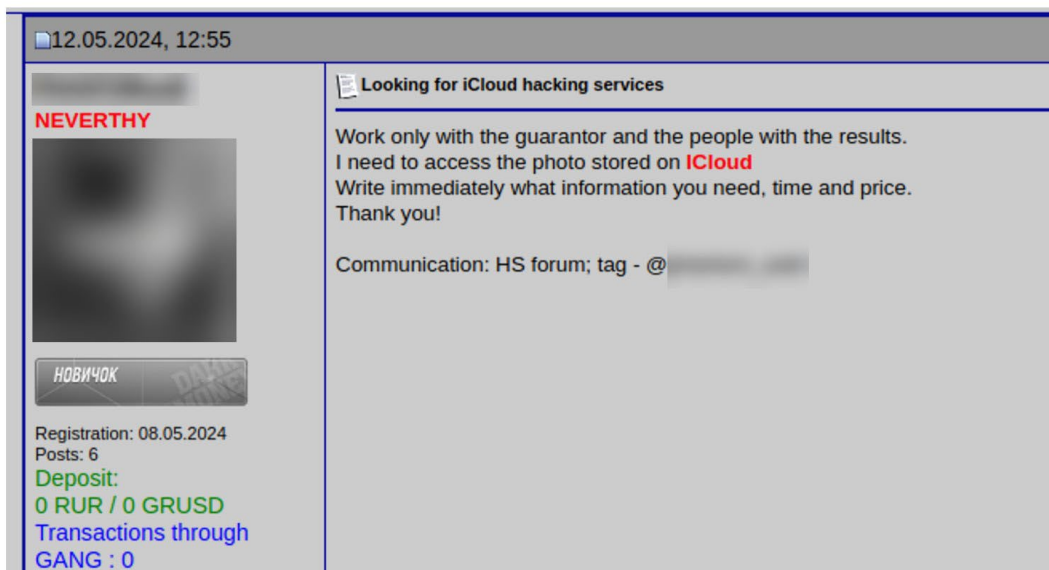


Figure 12. Request to compromise iCloud accounts and extract media content

Other Criminal Services

Mobile botnet rental

Access to a victims' mobile phone is significant in itself, but for criminals, controlling a mobile botnet is an added opportunity to significantly scale criminal business processes. These business processes can leverage the data stored or processed on the phones, such as private photos, credentials, credit cards, seed phrases for crypto wallets, and more. The botnet can also be leveraged as a proxy network or as a part of search engine optimization (SEO), public opinion manipulation campaigns, or business process compromise.¹

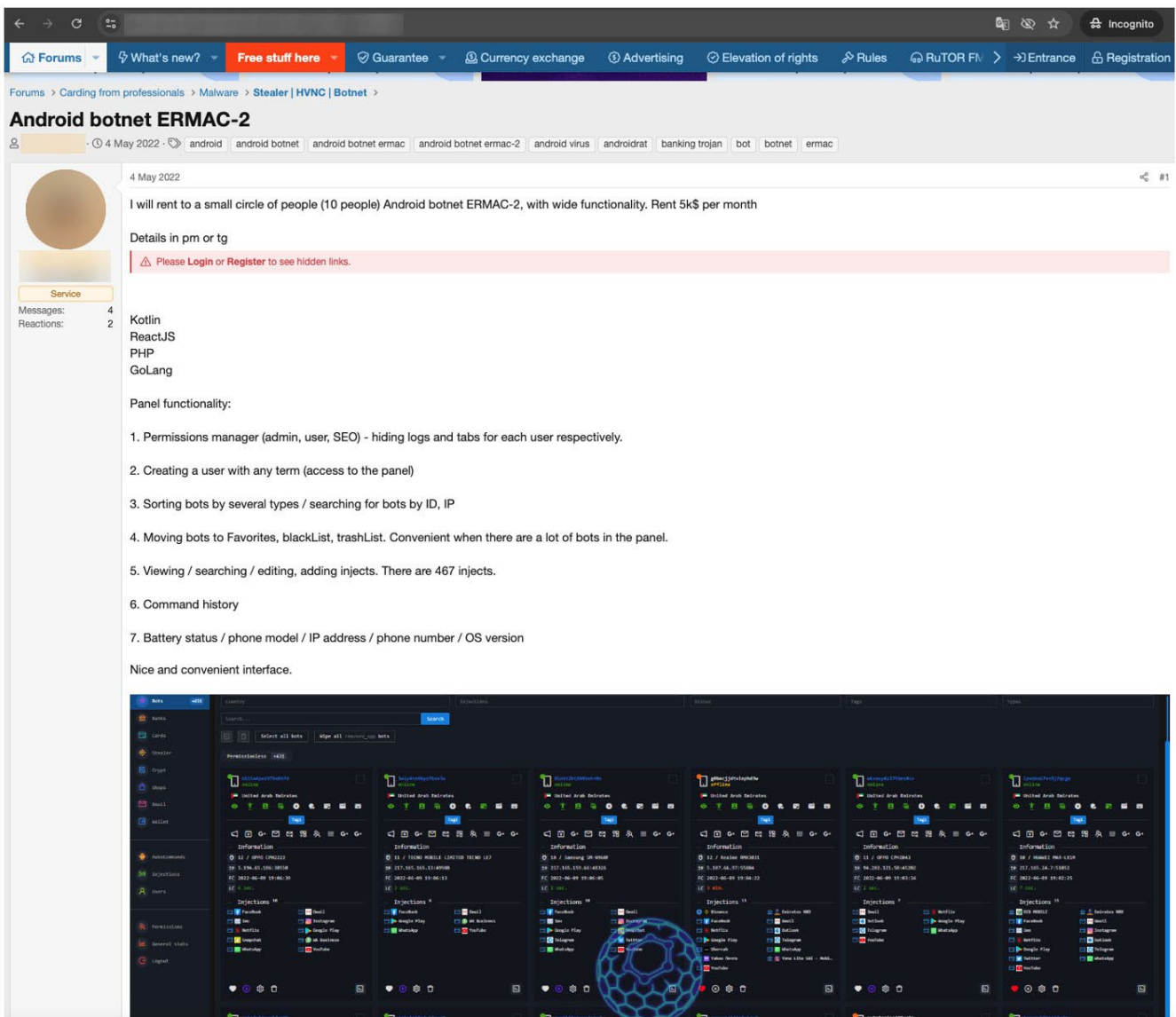


Figure 13. An example of an advertisement for a mobile, Android-based botnet rental for US\$5,000 per month

Underground criminal directory services

The criminal underground has its own version of the criminal directory services, specifically indexing and categorizing resources, services, and tools. These directories help attackers find appropriate assets to implement their criminal business processes.

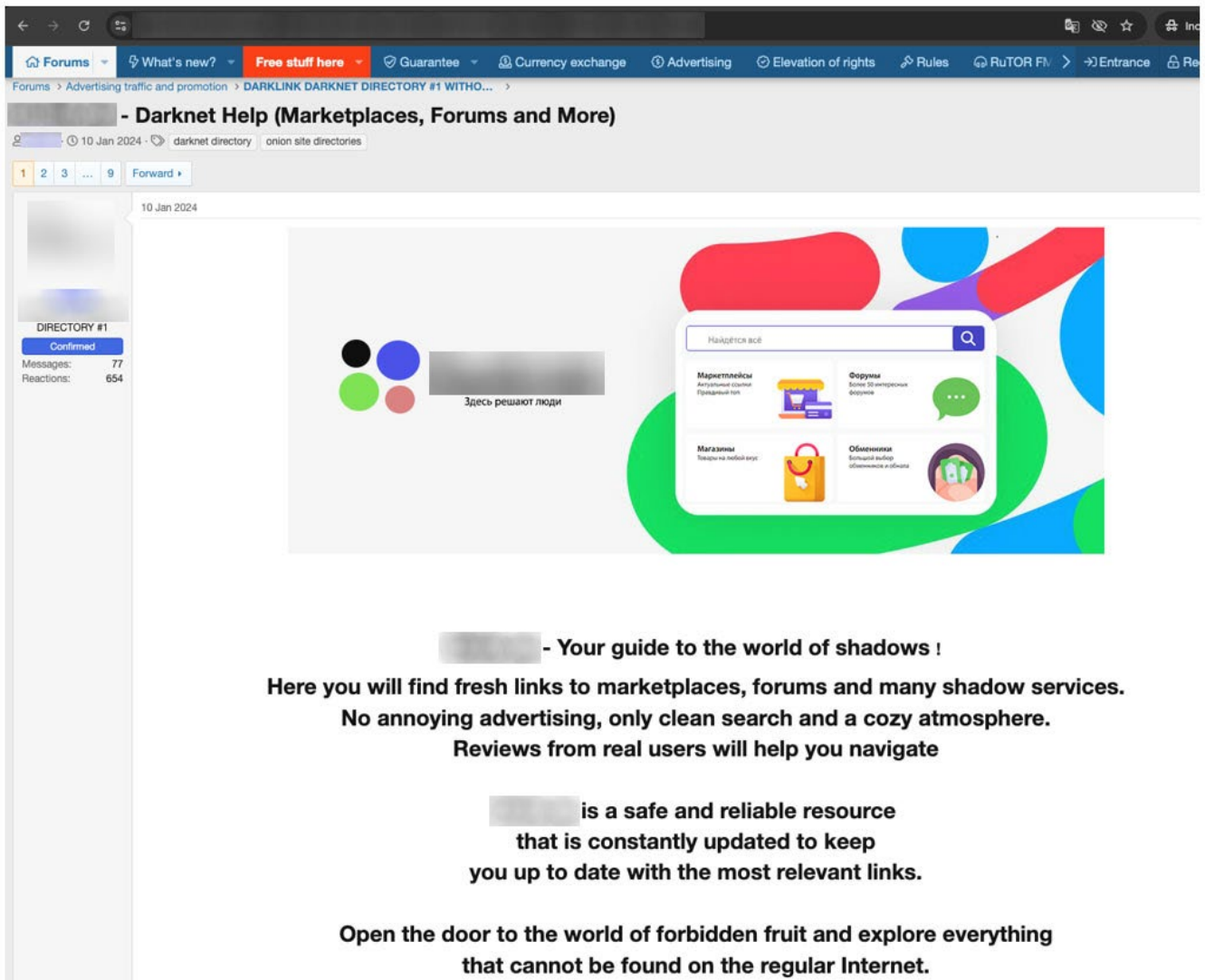


Figure 14. Advertisement of a search portal for criminal services

Gaming accounts

Gaming accounts are assets that have significant volume in the underground and significant value, especially for younger generations. The demand is fulfilled by accounts collected using information stealers or through phishing campaigns. The prices of accounts vary, normally depending on the resources (such as the number of hours played, features and items unlocked, etc.) invested into the accounts. Compromised accounts can be used by other gamers for a range of purposes, transfer of in-game items for example, or simply extorting the user to restore their account. At the higher level, eSports players are susceptible to specific attack scenarios, which we have researched in the past.²

PRIMEACCS Write to us Enter product name... My purchases Personal account

Home Rules Contacts FAQ For suppliers Terms

Social media Postal services Social Network Promotion Game accounts Other categories

Filters and sorting By quantity By price By name By total sales Product in stock

Home > Steam > Steam: Dota 2

Steam: Dota 2

	Steam account 15000+ hours in Dota2 With native mail rambler	224.00 rub.	12 pcs.	Buy now
	Steam account 10000+ hours in Dota2 With native mail rambler	154.00 rub.	24 pcs.	Buy now
	Steam account 9000+ hours in Dota2 With native mail rambler	140.00 rub.	410 pcs.	Buy now
	Steam account 8000+ hours in Dota2 With native mail rambler	126.00 rub.	489 pcs.	Buy now
	Steam account 7000+ hours in Dota2 With native mail rambler	112.00 rub.	436 pcs.	Buy now
	Steam account 6000+ hours in Dota2 With native mail rambler	98.00 rub.	677 pcs.	Buy now
	Steam account 5000+ hours in Dota2 With native mail rambler	84.00 rub.	249 pcs.	Buy now
	Steam account 4000+ hours in Dota2 With native mail rambler	70.00 rub.	179 pcs.	Buy now
	Steam account 3000+ hours in Dota2 With native mail rambler	56.00 rub.	348 pcs.	Buy now
	Steam account 1000+ hours in Dota2 With native mail Firstmail.Ltd	21.00 rub.	394 pcs.	Buy now
	Steam account 2000+ Hours in Dota2 Native Mail Firstmail.Ltd	19.50 rub.	291 pcs.	Buy now
	Steam account 2000+ Hours in Dota2 Native Mail Rambler.ru	19.50 rub.	143 pcs.	Buy now

Figure 15. Example of gaming account pricing for Dota 2 (Defense of the Ancients game), with prices based on number of hours invested

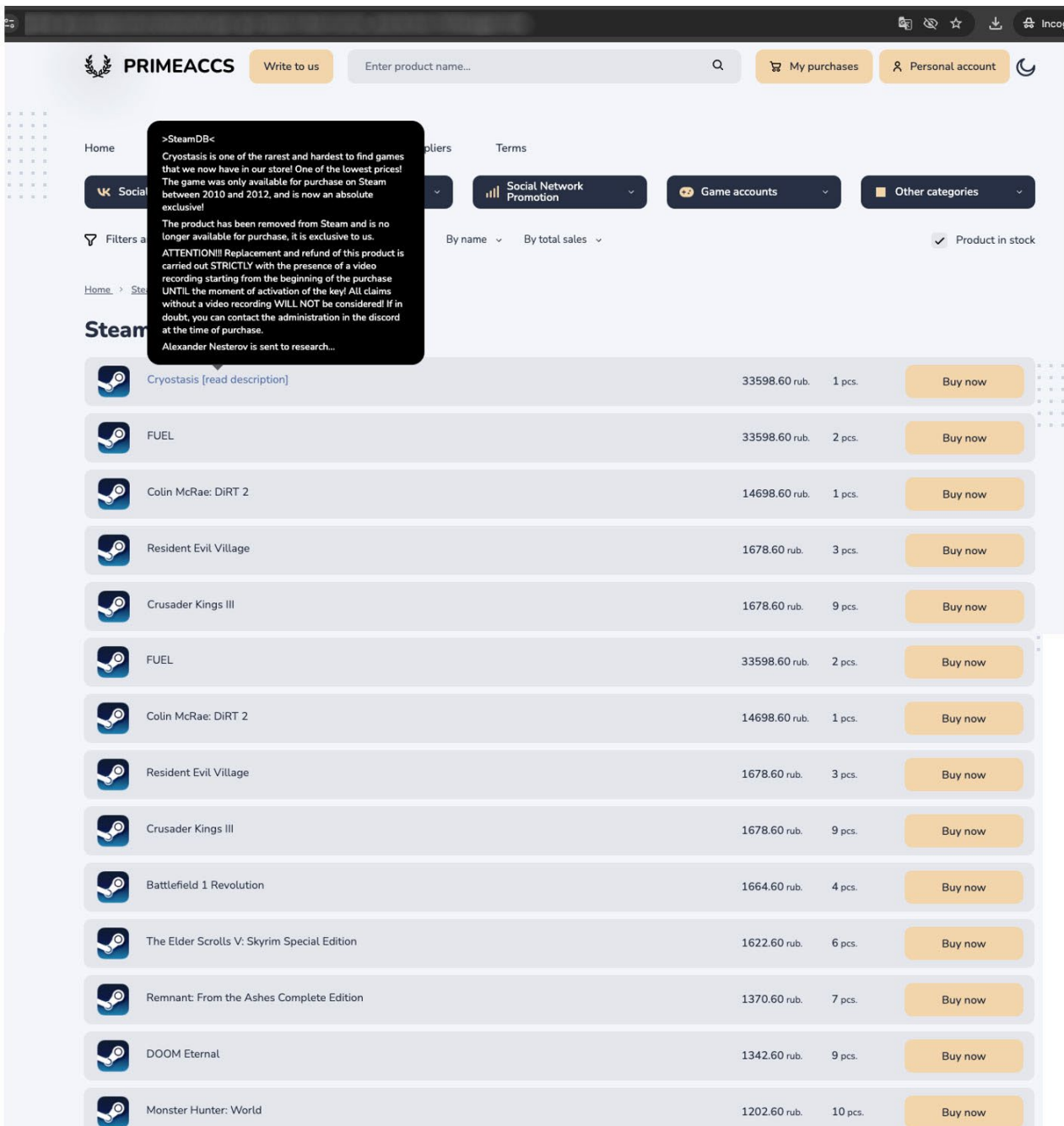


Figure 16. Example of the prices for popular game accounts

Access-as-a-service

Access-as-a-service is foundational to many criminal business processes. Ransomware actors, national state aligned groups, and industrial espionage-oriented groups are all interested in creating shortcuts to acquiring assets inside their targeted infrastructures instead of carrying out initial attacks themselves. Along with the benefits of cost and time, this provides an additional layer of deniability – it mixes TTPs, complicates attacker attribution, and interferes with incident investigation and mitigation. The price of such access depends on the asset's potential. The service can ask for hundreds of thousands of dollars, or revenue shares from further monetization (like ransomware attacks).

Вчера в 21:36 Новое

Цена: 1
 Контакты: telegram - @ [redacted]

Вытащу со своего материала (48-50 ГБ) нужные вам запросы в формате URL:LOGIN:PASS ; LOGIN:PASS ; MAIL:PASS
 Источники моих логов (Инсталлы, букинг, gADS, CEO)
 Цена: от 1\$
 Минимальный ордер 50\$
 Гарант приветствуется.
 телеграм - @ [redacted]

uTOX - 157097E33803274EFEA2A2A1C89882C10D7AEEADDF795D2BA4A8E916892654654FC21164C93

I will pull out from my material (48-50 GB) the queries you need in the format URL:LOGIN:PASS; LOGIN:PASS ; MAIL:PASS

Sources of my logs (Installs, booking, gADS, SEO)

Price: from 1\$
 Minimum order \$50
 Guarantor is welcome.
 telegram - @ [redacted]

uTOX - 157097E33803274EFEA2A2A1C89882C10D7AEEADDF795D2BA4A8E916892654654FC21164C93

[Жалоба](#) [Like](#) [Цитата](#)

Forums Rules Advertising Guarantee Exchanger Payment for services Backgammon Arbitration Helpdesk

I WILL BUY We buy corporate RDP/VPN access! Best conditions!

25/8/23 brute force rdp buy rdp citrix rdp vpn

D

NEW REGISTERS! WORK THROUGH GARANTEE!
 Registration: 25/8/23
 Messages: 2
 Reputation: 0
 Reactions: 0
 RUB: 0

25/8/23

Good day

We buy network access, various formats, RDP or VPN networks
 Price range for access - from \$ 500 and up
 The budget is not limited, we will be glad to honest and ongoing cooperation
 Extensive experience, a serious team, our own developments, we will take almost everything - what others can not
 Quick check of your material / fast payment
 At a close pace of work - we are ready to offer a transparent %
 We do not ignore, we do not feed with breakfast, everything is beautiful and fair
 We will find a common language with everyone We

will consider various countries indiscriminately, with America / Europe as a priority (all locations, but strictly without the CIS)
 We buy admin and user rights, the higher the revenue \$ and rights - the more profitable for you, you know
 RDP access from 100 GB of data I am also ready to take already locked access, but rarely

Shady comrades and chatterboxes who want to deceive - bye
 Work is available through the guarantor

Jabber: [redacted].im

Figure 17. Advertisement of access-as-a-service with price starting from US\$1 (top) vs. an offer to buy from US\$500 (bottom)

Malicious software installs

Software installation (usually malicious) on victim machines is a service with high demand and significant offers. The services are often separated into mobile, desktop, and cloud platforms. Figures 18 and 19 show examples of guides and requests to install custom software.

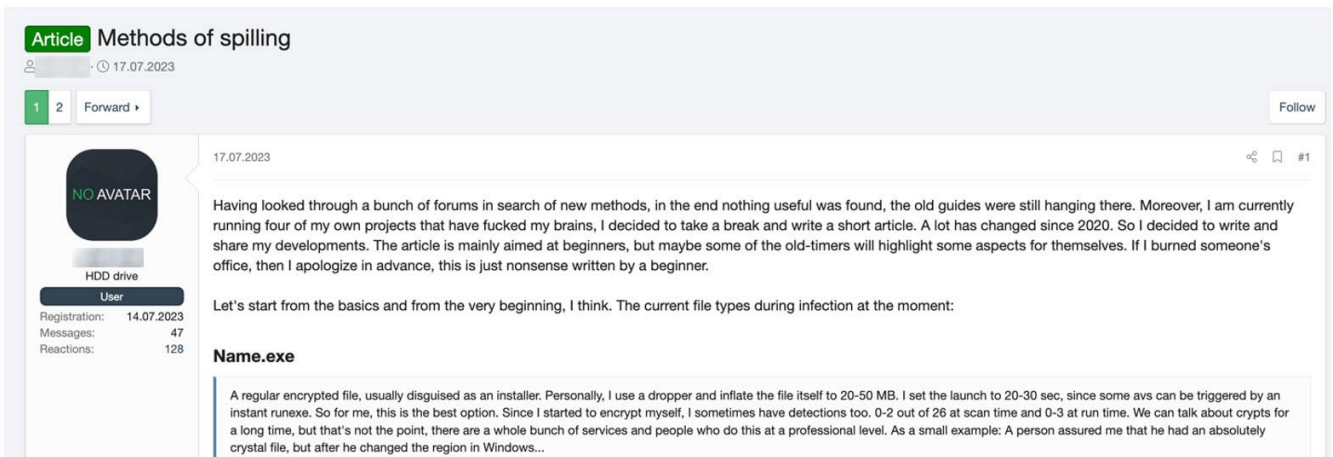


Figure 18. Detailed guide on how to distribute malicious software at scale

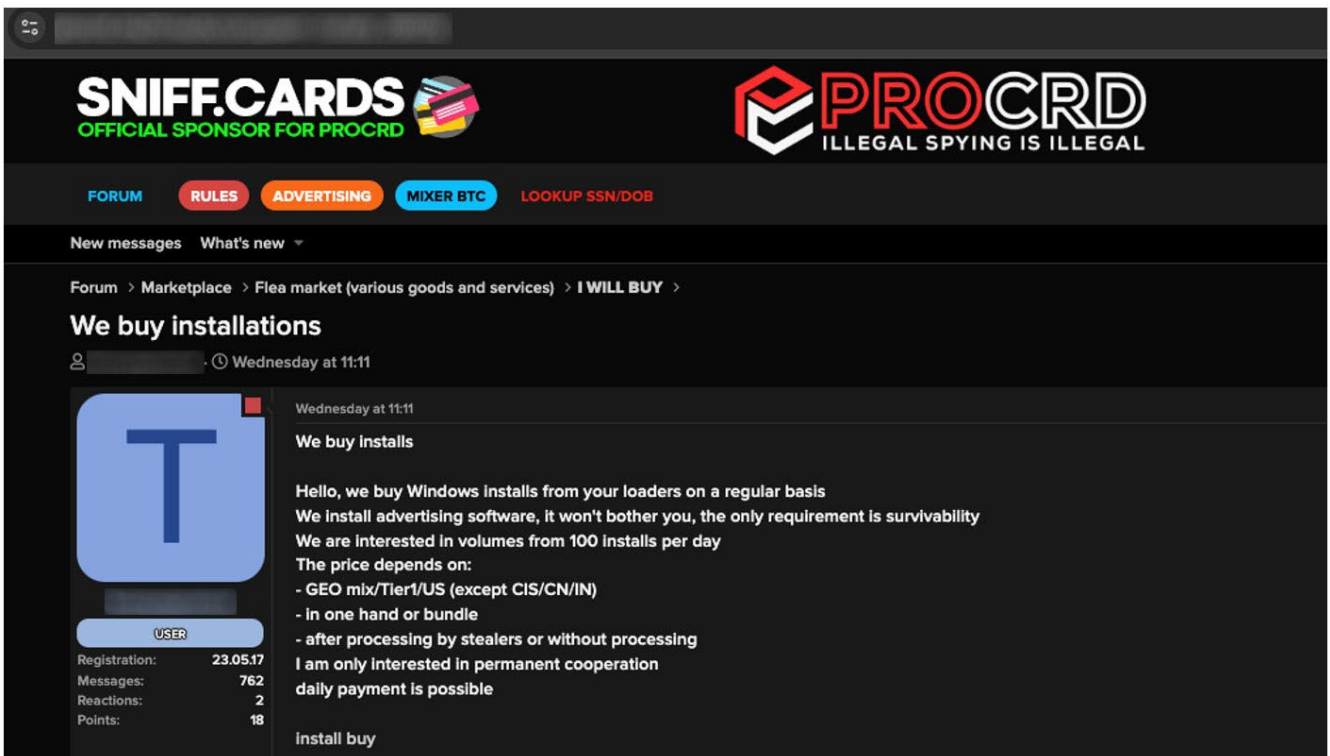


Figure 19. Request to buy installs for the purposes of deploying software that monetizes the victims based on advertisements

AI offerings

AI assets, such as ChatGPT accounts or services, that leverage AI technologies to create new criminal business processes or scale existing ones are widely available on the underground. Trend Micro has covered this area in-depth in past research.^{3,4,5}

The screenshot shows the PRIMEACCS website interface. At the top, there is a navigation bar with the PRIMEACCS logo, a search bar, and links for 'Write to us', 'My purchases', and 'Personal account'. Below the navigation bar, there are several category buttons: 'Social media', 'Postal services', 'Social Network Promotion', 'Game accounts', and 'Other categories'. A filters and sorting section is visible, with options for 'By quantity', 'By price', 'By name', 'By total sales', and a checked 'Product in stock' filter. The main content area is titled 'ChatGPT: Autoregs' and displays a list of eight ChatGPT accounts for sale. Each listing includes a description, price in rubles, quantity, and a 'Buy now' button.

Description	Price (rub.)	Quantity (pcs.)	Action
ChatGPT AUTOREG Created in 2024 Balance is from \$0 to \$5 Confirmed by email and SMS	1.55	869	Buy now
OpenAI ChatGPT account created in 2024. Authorization is done manually. The balance is from 0 to 5 dollars. The account is linked to an email and confirmed via SMS and email. The format of the issued account: Login:mail password:account password.	1.75	7452	Buy now
OpenAI ChatGPT account created in 2024. Authorization is done manually. Balance is from 0 to 5 dollars. The account is linked to an email and confirmed via SMS and email.	2.02	2086	Buy now
ChatGPT Manual Reg Balance 0-5\$ Verified by mail	4.00	234	Buy now
ChatGPT. Artificial intelligence. 2024 year of registration. Accounts without balance.	10.34	361	Buy now
[OpenAI ChatGPT Account M] Manual Registration 2024 Balance from 0 to 5 dollars Linked to mail confirmed by SMS and Email FROM SUPPLIER M	17.92	396	Buy now
OpenAI / ChatGPT - Account No Balance Verified by Number Artificial Intelligence Registered in 2024	21.00	7	Buy now
ChatGPT 3.5 accounts Verified by email@outlook, included.	21.00	88	Buy now

Figure 20. Accounts for ChatGPT price in Russian ruble (as little as US\$0.02)

Automation and scaling

Automation and scaling are critical for many criminal business processes, such as phishing campaigns, automation of assets sale and verification, and bypassing antifraud systems on financial and e-commerce platforms. Related service offerings are widely available on Telegram and forums, and many automations are done using Telegram bots.


[BOTOSHOP] SITES AND BOTS | [ACCEPTANCE TO BANK CARDS, SIM, QIWI AND OTHER PAYMENT SYSTEMS WITHOUT BLOCKS]

15 Jul 2022

СОЗДАЕМ НЕБЛОКИРУЕМЫХ БОТОВ


ВOTOSHOP

НАДЕЖНЫЕ САЙТЫ И БОТЫ АВТОПРОДАЖ TELEGRAM




BOTOSHOP is a software product that is the result of the work of a team of professionals, created for the automation of sales "turnkey", presented on the market since 2016 and currently has no analogues in the RC business at a similar level of security and services offered. We provide ready-made solutions for your work, namely, an automatic sales service using synchronized bots and sites, access and management of which occurs through the administrative panel in TOR.


What is it?
Let's start with the definition and tell you what it is - BOTOSHOP
 [TIP] You have often seen a store and / or bots that sell goods, when you click on the "buy" button after payment, you instantly received your goods. These are the purposes of the service! Today, together we will connect and configure everything that a successful business needs. BOTOSHOP's capabilities allow you to choose one of many designs and customize it to your personal needs, personalize it as much as possible, make it convenient and functional.[TIP]



ВЫБОР ПРОДАВЦОВ
 ПРЯМО СЕЙЧАС С НАМИ РАБОТАЕТ БОЛЕЕ 500 МАГАЗИНОВ



ОТМЫВКА
 УКАЗЫВАЙТЕ КОШЕЛЕК И ПОЛУЧАЙТЕ ЧИСТЫЕ BTC



БЕЗОПАСНОСТЬ
 ВСЕ ВАШИ ДАННЫЕ ЗАШИФРОВАНЫ И СПРЯТАНЫ В СЕТИ TOR

The choice of the **BOTOSHOP** service is due to the wide range of functionality provided, which significantly increases the project turnover, the influx of clients, as well as accessibility, security, support at all stages of work and much more.

Возможности административной панели BOTOSHOP

Figure 21. Advertisement of bot automation software with a focus on accepting payments for criminal services via a wide variety of payment systems

Forums > Business automation and related software > <ALTERNATIVA> Bots and sites (RF and CIS) s... >

<ALTERNATIVA> Automation, bots and auto sales sites (RF and CIS), since 2018!

9 Apr 2022

1 2 3 ... 7 Forward >

9 Apr 2022

ALTERNATIVA - The best automation of your business, the best bots and autosales sites since 2018.

We present a unique solution for the smooth operation of your store - automatic sales using new bots and sites. Full access and control is through the administrative Web panel.

The product has been fully tested and refined over 4 years of successful operation. Many stores trust us!

The administrative Web panel is simple, convenient and intuitive. You can work easily and quickly.
Telegram bots are simple and convenient, without unnecessary information. It is easy and quick for the client to find everything they need.
 Test bot (with VPN) -

Please Login or Register to see hidden links.

Sites - sale in 3 clicks, nothing extra. Works from any browser (computer + phone), the client does not need TOR!
 Test site -

Quick purchase - happy customer and store!

One of the main advantages is our unique built-in payment system, no third-party exchangers. We take on full outsourcing of cash flow. Acceptance of payments from the client, storage and further withdrawal to where you say. No one except you knows or sees your cash flow.

We take full responsibility for all risks, blocks and losses!

The platform is adapted to work both from a computer and from a phone / tablet.
 Our technical support is round the clock, will help and answer any questions.

Decentralized system, no common server.
 Your and our safety are priorities for us!

Conditions for the store:

- Free connection
- Monthly rent - 0%
- Software changes/improvements - free
- Clients pay to a bank card, bitcom and tk.
- Withdrawal of funds to the store by bitcom, we convert and withdraw.

Our interest is the % of customer payments, this is our income.
 For all conditions, please contact PM and official contacts, conditions may vary depending on the country.

For all questions, write here and in PM.

Telegram -

Please Login or Register to see hidden links.

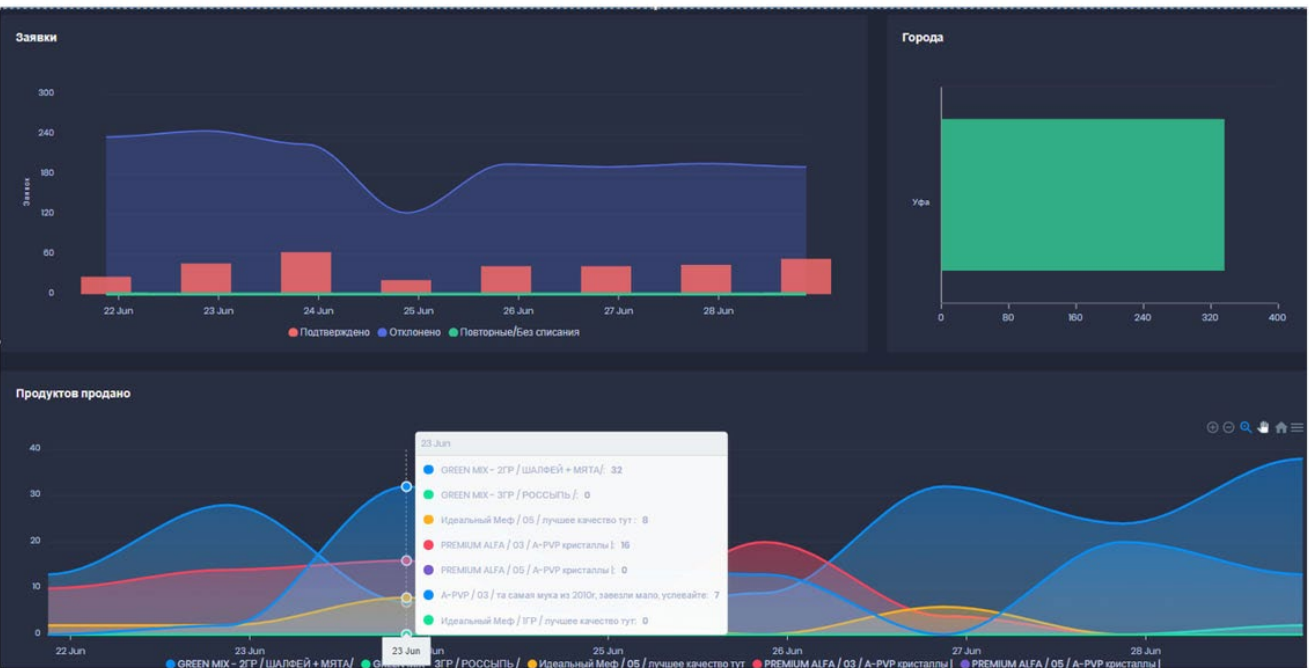
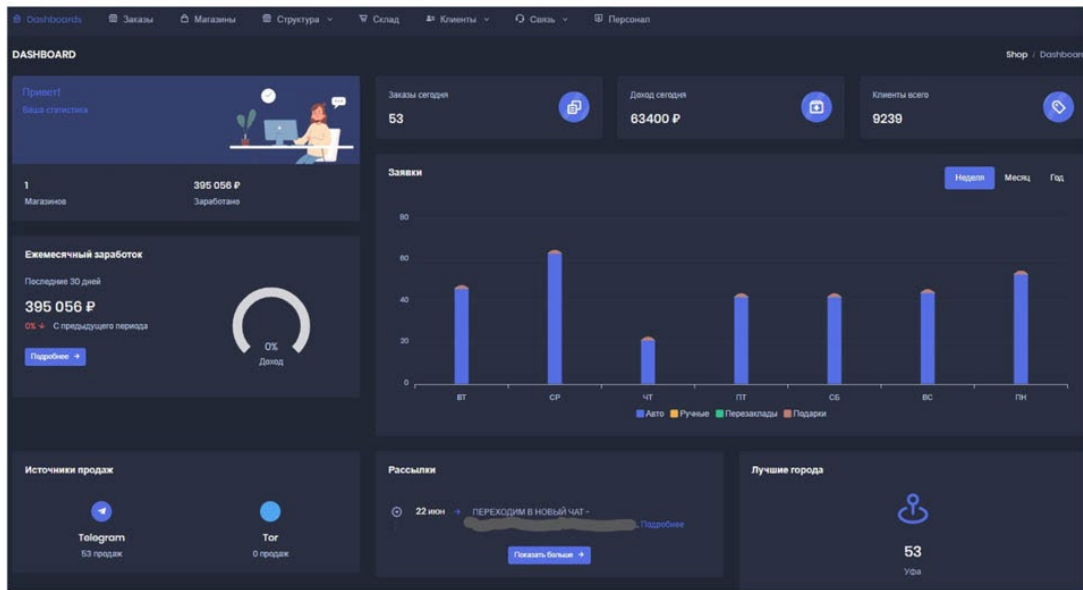
(letter for letter) Attention, fakes are operating, be careful. If in doubt, confirm via forum PM.
Vipol - Alter!

Now in order:

1. Dashboard
 All statistics in numbers and graphs on: orders, products, income, cities, clients. Information on mailings. If the product is running out, it glows red, indicating that it is time to replenish. Only the necessary information, nothing extra!

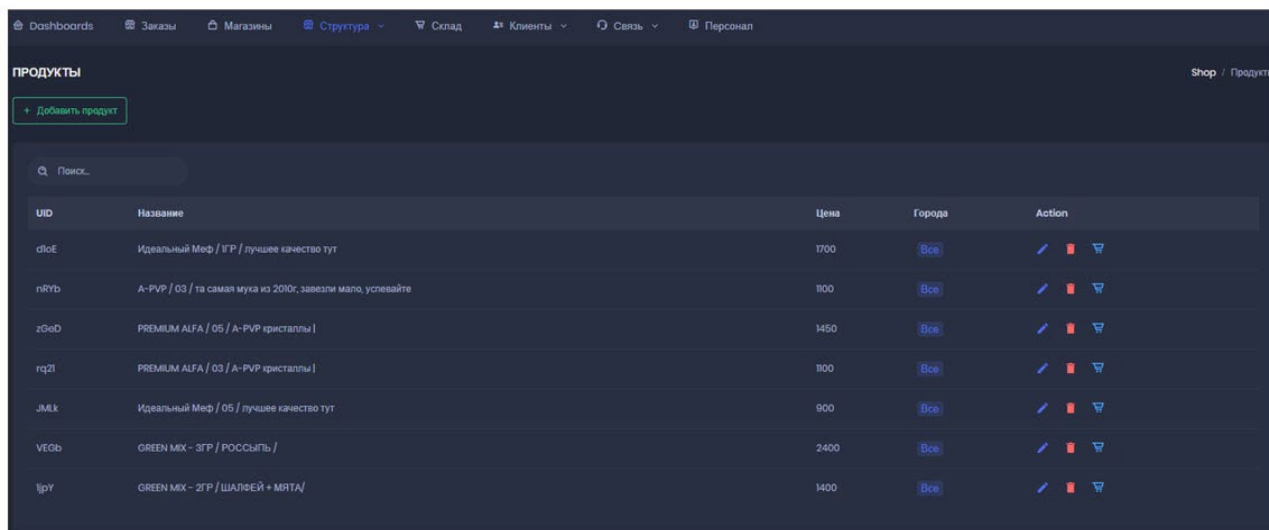
1. Dashboard

All statistics in numbers and graphs on: orders, products, income, cities, clients. Information on mailings. If the product is running out, it glows red, indicating that it is time to replenish. Only the necessary information, nothing extra!



5. Products

Possibility to add products one by one or as a list, 10-20-30 pieces at once. It is convenient and saves your time. With one click on the product you can immediately see the available warehouse for



UID	Название	Цена	Города	Action
cloE	Идеальный Мер / ГР / лучшее качество тут	1700	Все	[Edit] [Delete] [Filter]
nRyb	A-PVP / 03 / та самая мука из 2010г, завезли мало, успевайте	800	Все	[Edit] [Delete] [Filter]
zBoD	PREMIUM ALFA / 05 / A-PVP кристаллы	1450	Все	[Edit] [Delete] [Filter]
rqZl	PREMIUM ALFA / 03 / A-PVP кристаллы	800	Все	[Edit] [Delete] [Filter]
JM.k	Идеальный Мер / 05 / лучшее качество тут	900	Все	[Edit] [Delete] [Filter]
VEGb	GREEN MIX - ЗГР / РОССЫПЬ /	2400	Все	[Edit] [Delete] [Filter]
lpy	GREEN MIX - ЗГР / ШАЛФЕЙ + МЯТА/	1400	Все	[Edit] [Delete] [Filter]

Figure 22. Detailed automation software advertisement to run an entire criminal shop with panel examples

Financial services

Criminal underground users prioritize monetization methods. Financial services and tools are important building blocks for many criminal business processes and are widely present on underground discussions.

Identity verification kits and templates for KYC Bypass

Know Your Customer (KYC) is a critical process that was first employed by financial organizations and then adopted by other industries. It is used to verify the identity of clients, along with their financial knowledge, risks, and investment profiles. It often involves some form of real-time video identification or other biometrics.

Identity verification kits provide technologies to bypass KYC onboarding procedures that are widely used, especially in the financial and government institutions. These kits include support for video - for example, heads which rotate in several directions (used to bypass biometric identification⁶). These kits can also include photos or even automatic tools for generating digital images of IDs (with photos and personal information provided by the customer).

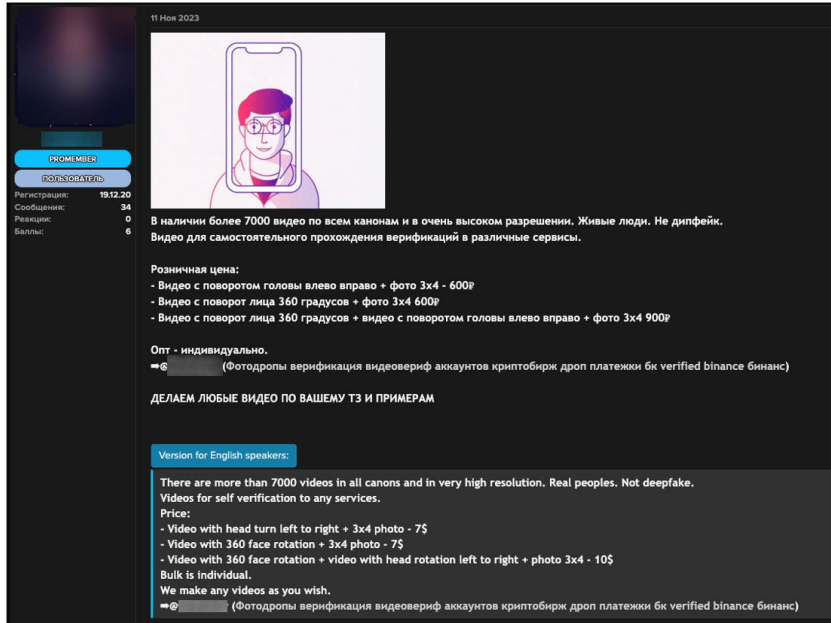


Figure 23. Video templates for generation of a digital identity, with pricing starting from US\$7 per video or US\$10 for full 360-degree movement

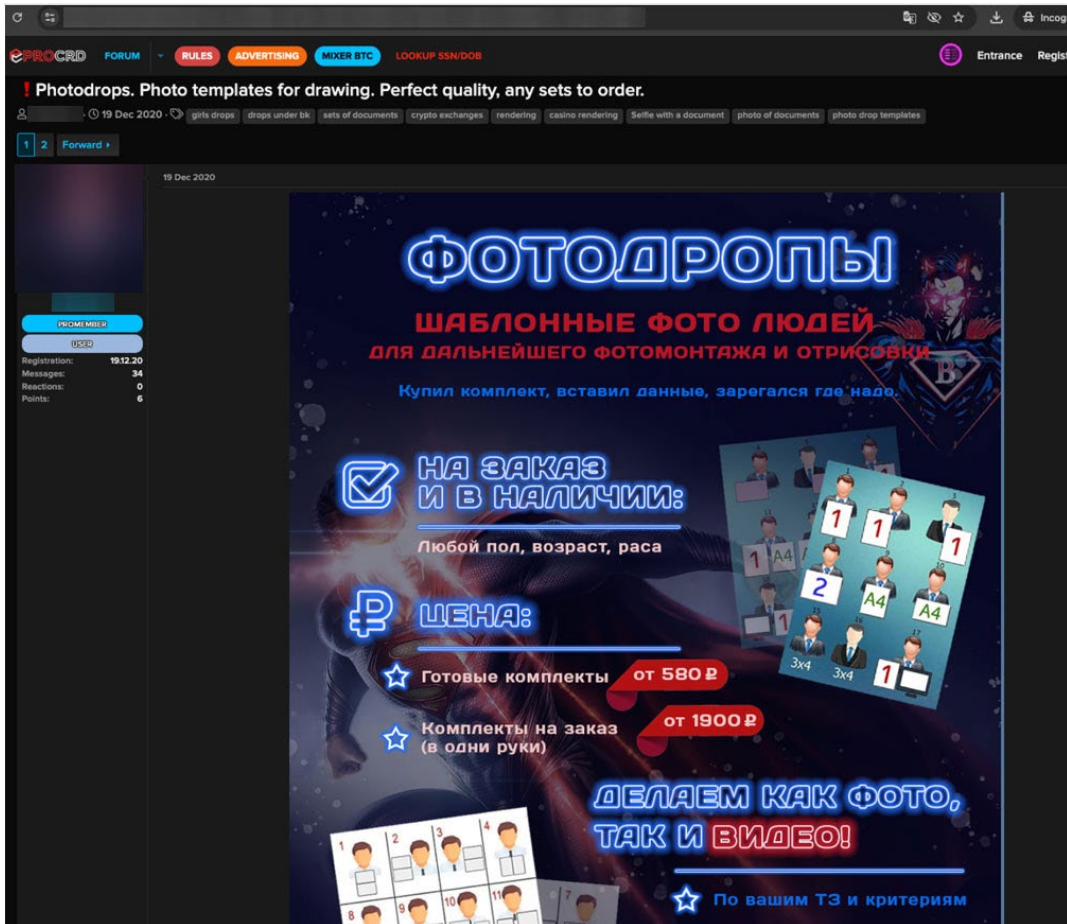


Figure 24. Photo identity verification templates (advertised since 2020)

Opening fraudulent accounts in financial institutions

Based on the leaked or generated PII and biometrics, underground actors are capable of opening accounts in financial institutions on behalf of other people or even for identities that never existed. Self-registered accounts enable money laundering and cashout services for a variety of scenarios related to monetization of attacks on e-commerce and financial platforms. The prices vary between tens and hundreds of American dollars.

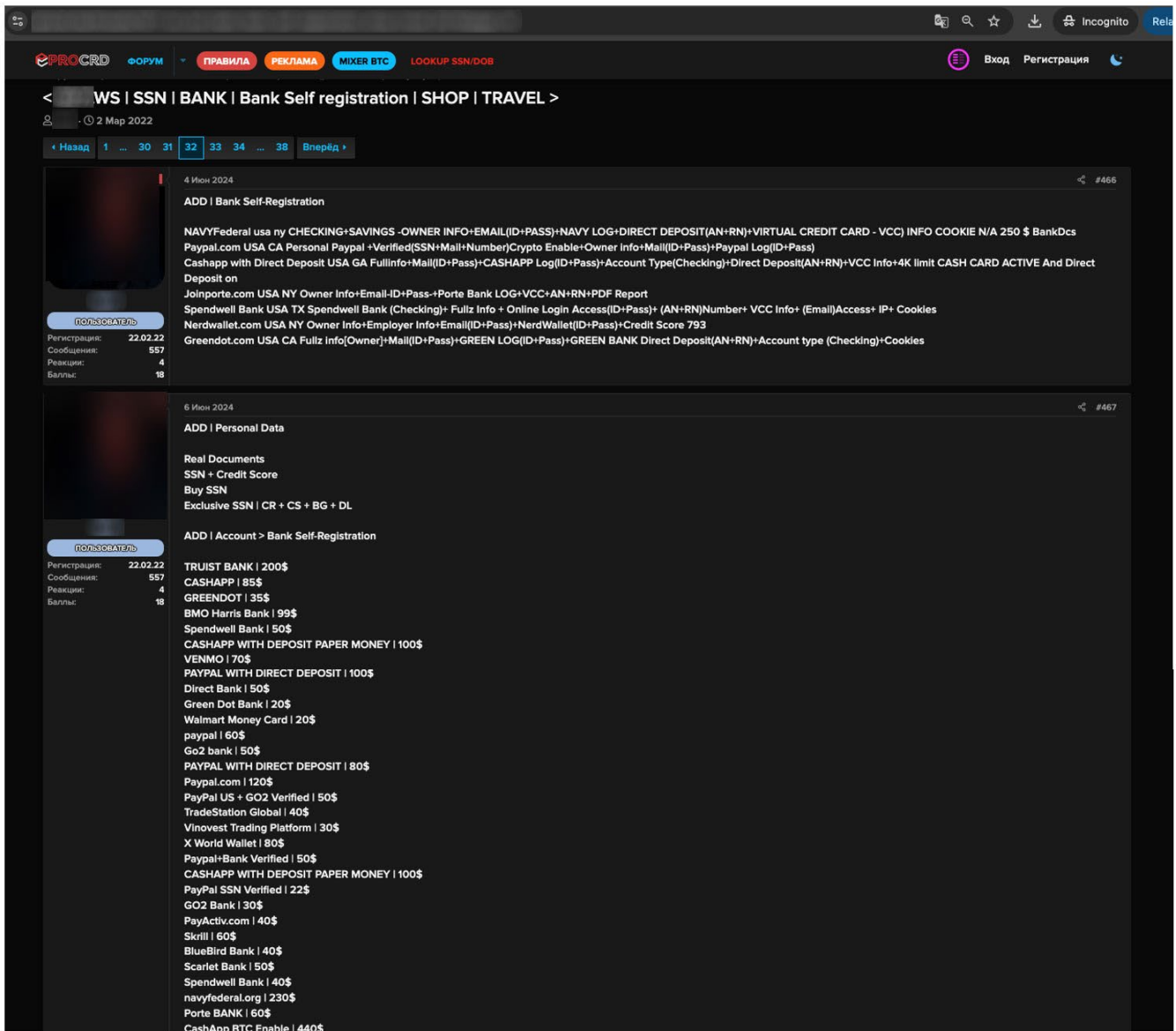


Figure 25. Example of prices of accounts in financial institutions

Money laundering and cashout services

Money laundering and cashout services help criminals get past the barrier of using their illegally obtained financial assets with their real identity. It is often related to the final steps of criminal business processes.

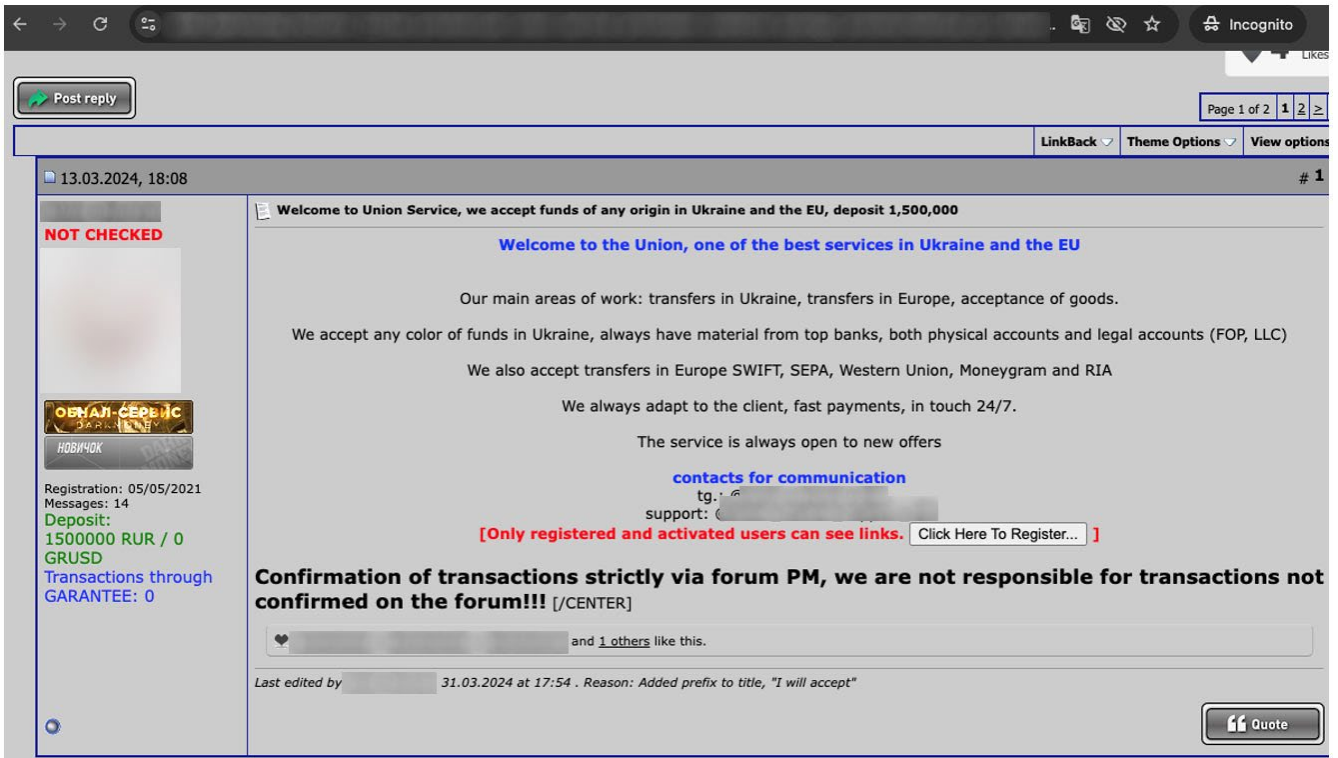


Figure 26. Money laundering service offer operating in Ukraine and Europe

Cryptocurrency mixers

Cryptocurrency mixer services cover the true paths of previous crypto transactions, making it more difficult to trace cyber-actors by following where the money flows. Many mixers are also offering cashout services and conversion between different crypto currencies.

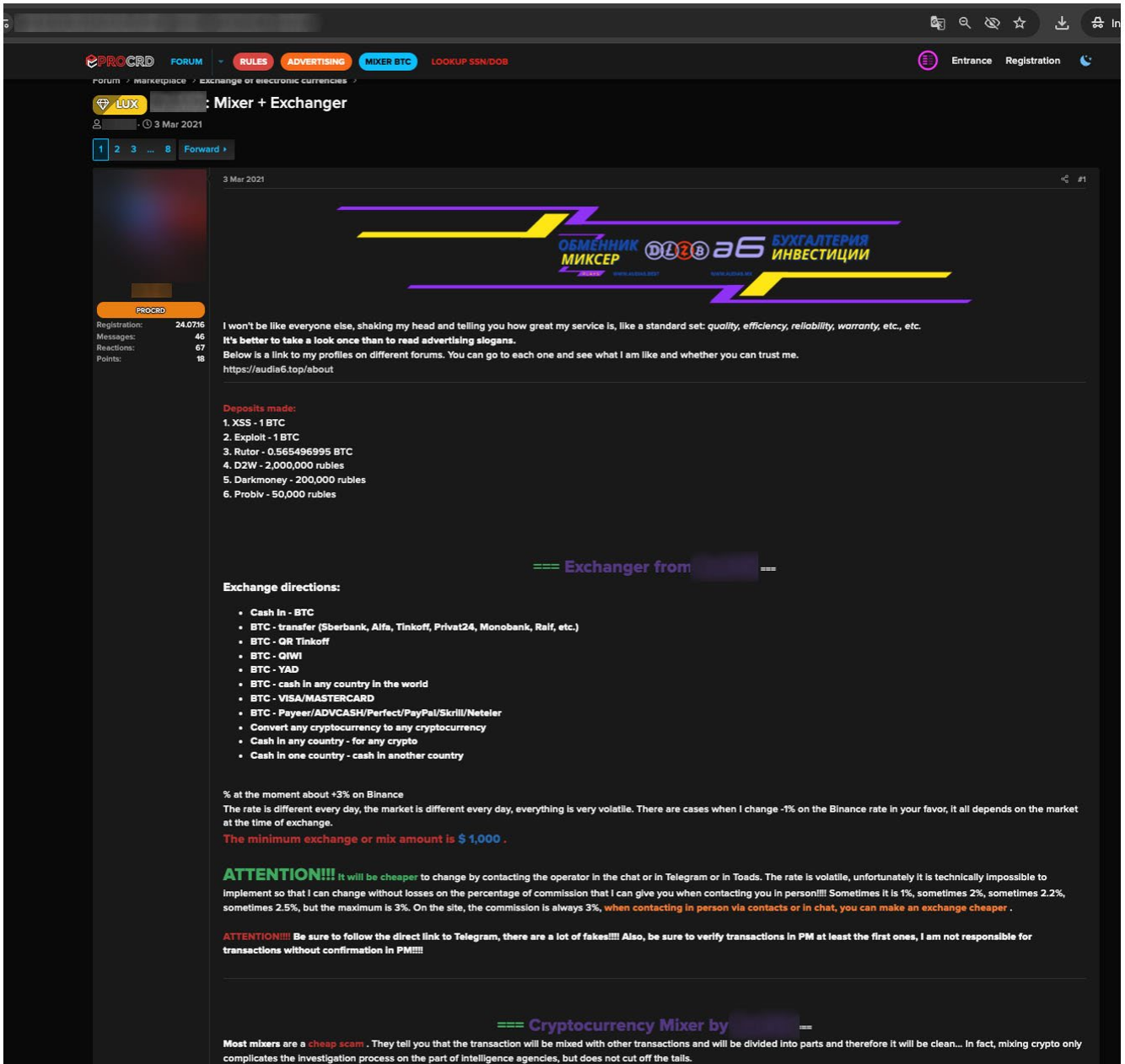


Figure 27. An example of a mixer service offering. This service has a minimum amount of US\$1,000, and commission rates vary from 1-3%

Cashouts

Cashouts are services that allow a criminal to convert any illegal transaction to real money. The input might be a cryptocurrency transfer, a credit card transaction, a web shop purchase with a stolen card, or any other illegal source of income. Numerous schemes for this exist, which is an entire area of research on its own. Cashout services are widely available on criminal forums and telegram channels, with interest rates ranging from 5-20%, and often operate using money mules, credit cards, and shell companies.

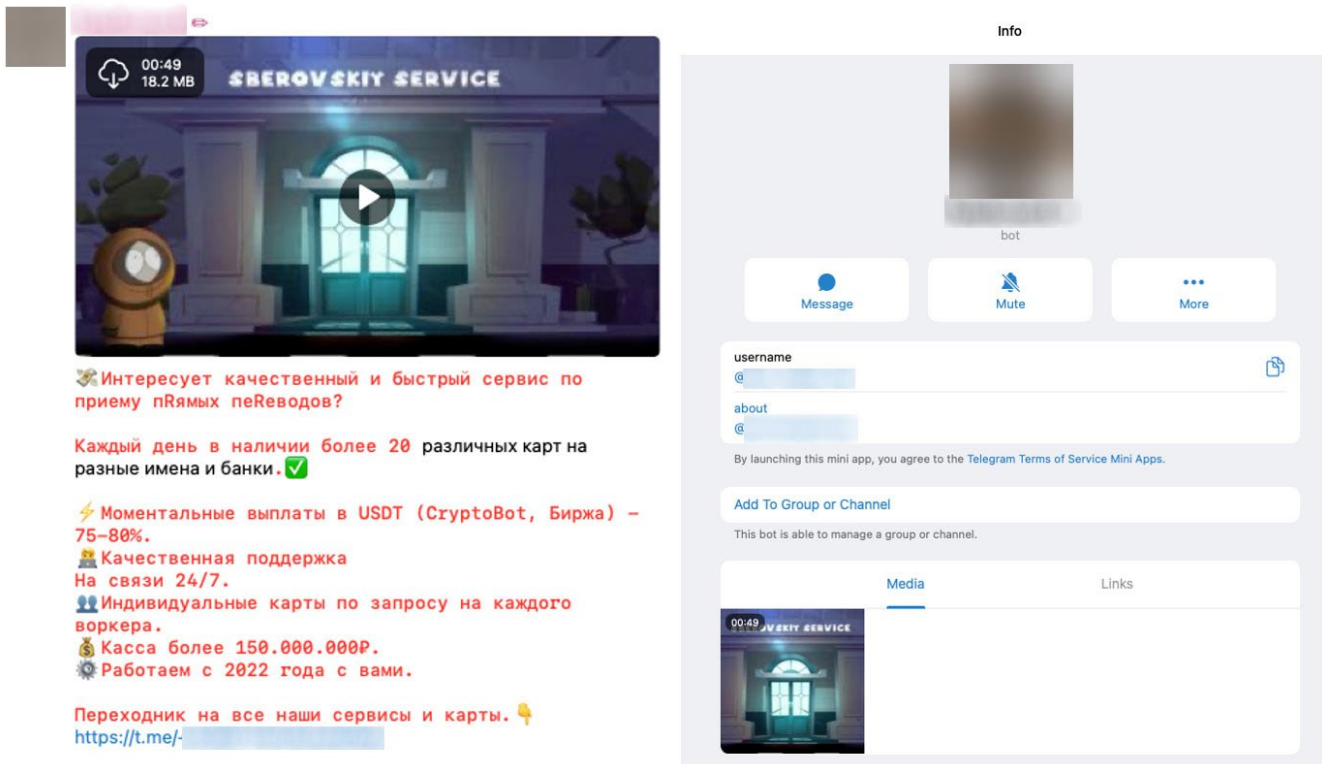


Figure 28. A cashout service advertised on Telegram, which is claiming to have over RUB 150 million (or US\$1.5 million) in assets



- » Exchange crypto and fiat - 2-3%
- » Exchange crypto to fiat - 2%
- » Swap - 2%
- » Cleaning - 5%
- » Cash by courier - 5%

No verification/identity verification required
 Complete anonymity, no paperwork or identity verification.
 Work 24/7.

Figure 29. Example of cryptocurrency cashout rates

Cryptocurrency

Cryptocurrency is an asset used not just to pay for nearly every underground service, but also to transfer and exchange money all over the world. Cryptocurrency is widely used as a payment method for illegal goods, like drugs or guns. That means there are many wallets of criminal or questionable origin, and the owners of such wallets will rarely contact law enforcement agency in case their currency is stolen. Also, for legitimate users of cryptocurrency wallets, there is often limited regulation or capability to investigate crimes against them, making crypto wallets an interesting target for cybercriminals.

Seed parsers and checkers

Seed phrases are needed to unlock crypto wallets. Tools to automate verification of stolen seed phrases are available on the underground together with specialized dictionaries for brute forcing them.

Работает очень быстро
*
Проверяет все подпапки выбранной дериктории
Введите путь до папки:
*
Читаемые файлы (txt,json,doc,docx,html,pdf)
*
Ищет фразы 12 и 24 слова на английском
*
Привязки по железу нет
*

Также парсит ключи DOGE,EVM,DASH,LTC,HEX,BTC,XLM

BTC_keys	30.11.2023 9:32	Текстовый докум...	26 КБ
DASH_keys	30.11.2023 9:32	Текстовый докум...	416 КБ
DOGECOIN_keys	30.11.2023 9:32	Текстовый докум...	758 КБ
EVM	30.11.2023 9:32	Текстовый докум...	1 КБ
finder	01.11.2023 19:40	Приложение	6 064 КБ
KEYS	30.11.2023 9:32	Текстовый докум...	4 342 КБ
LITECOIN_keys	30.11.2023 9:32	Текстовый докум...	491 КБ
SEED	30.11.2023 9:30	Текстовый докум...	1 КБ
XLM_keys	30.11.2023 9:32	Текстовый докум...	511 КБ

Цена : 100 USD
Исходник : 200 \$

Figure 30. Seed phrase parsing tool offered for US\$100, or US\$200 with the source code.

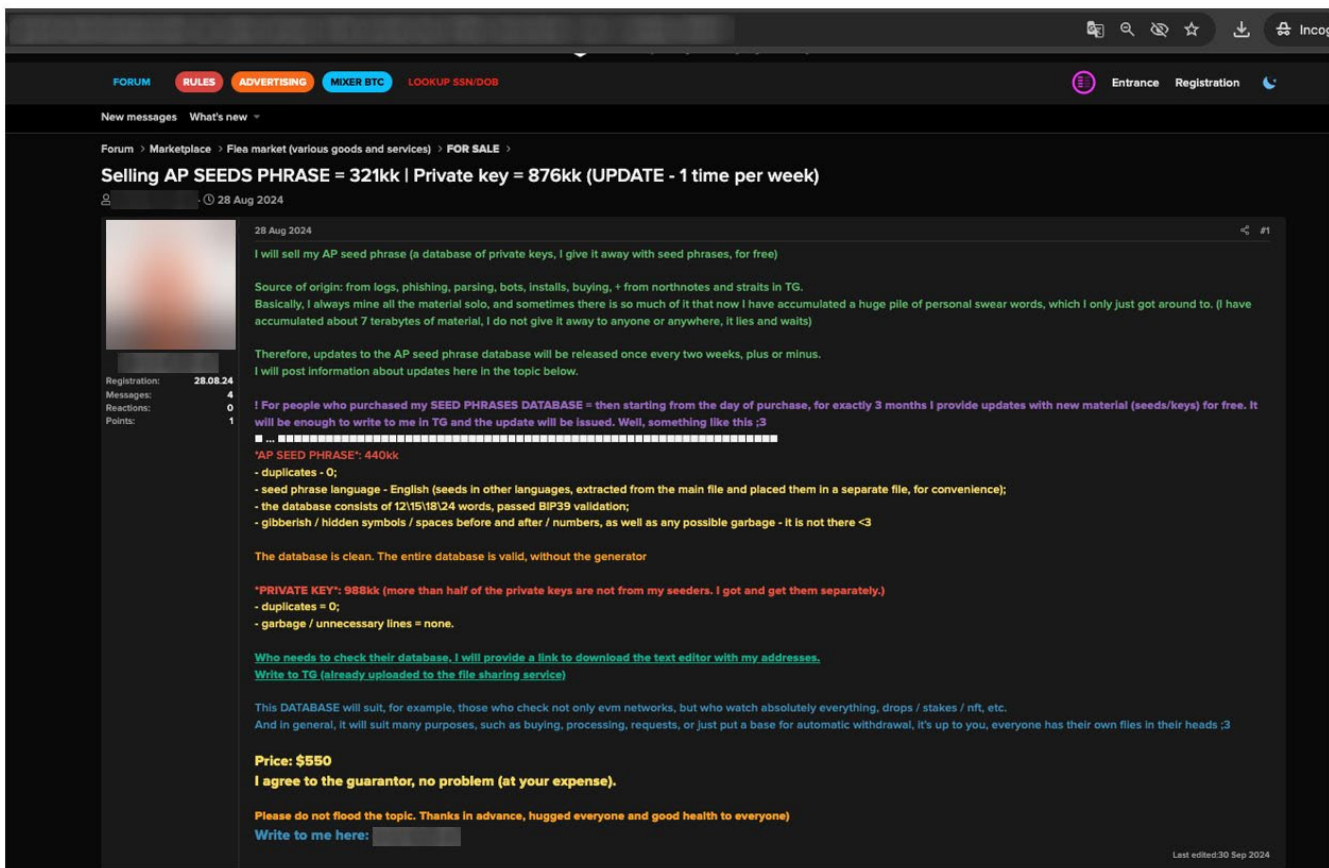


Figure 31. Seeds brute forcing database advertisement for US\$550

Crypto wallet brute force services

Together with the tools to monetize crypto wallets, the underground provides services to implement brute force attacks against crypto wallets (separate from the seed phrase dictionary attacks described earlier). The advertisement in Figure 32 shows a hardware specification from one such service, which consists of 30 PCs with NVIDIA GeForce RTX 4090 cards, a password database with over 500 million passwords, and an 80/20 profit split (the service takes 20%). It is hard to quantify their success rate, however, based on reputation and reviews it appears that people are willing to pay for it.

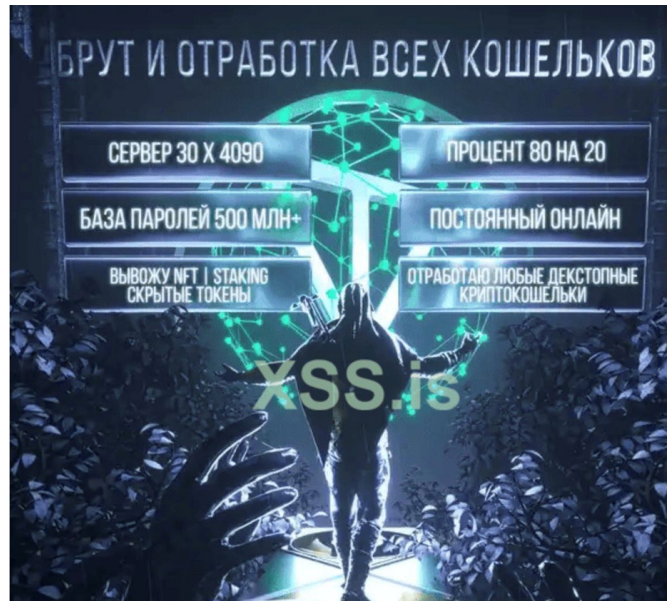


Figure 32. Advertisement for brute force services of crypto wallets

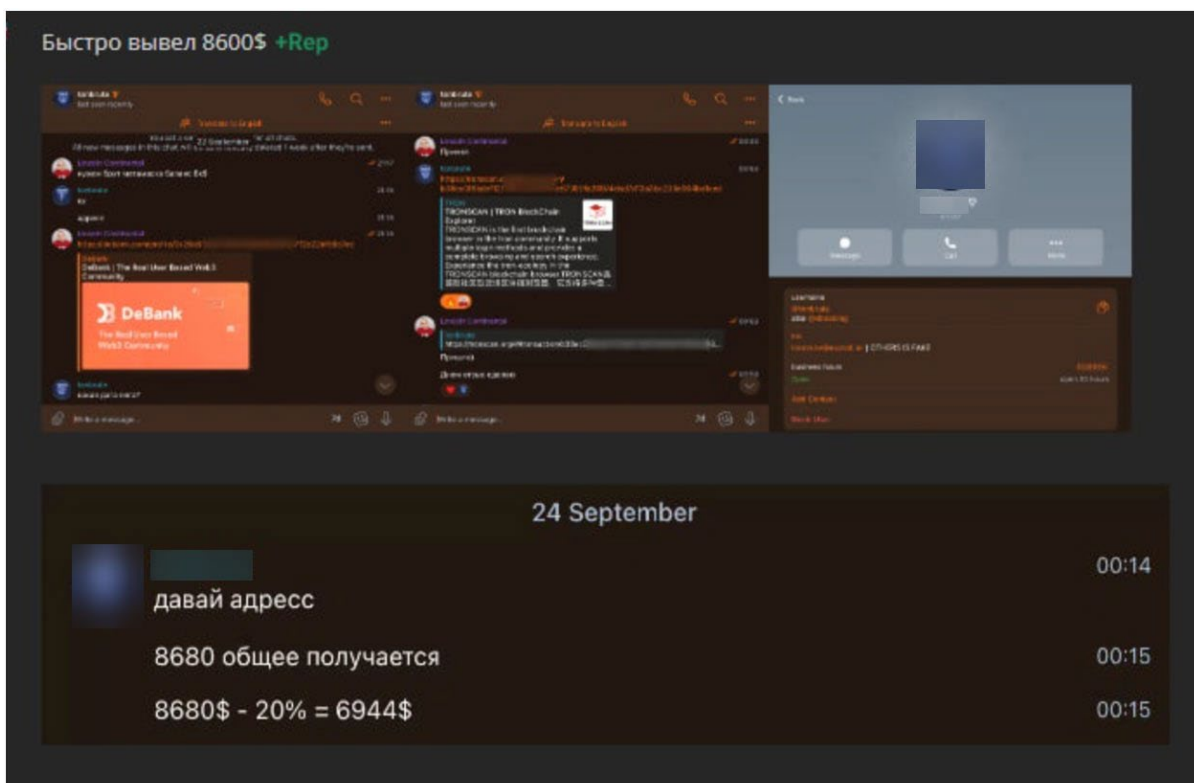


Figure 33. Customer service feedback for a brute force crypto wallet service, from a happy customer who successfully attacked a wallet with over US\$8,000 value

Cryptocurrency related customer databases

Leaked databases of cryptocurrency services are important assets that can be monetized in similar ways to databases related to financial and shopping platforms.

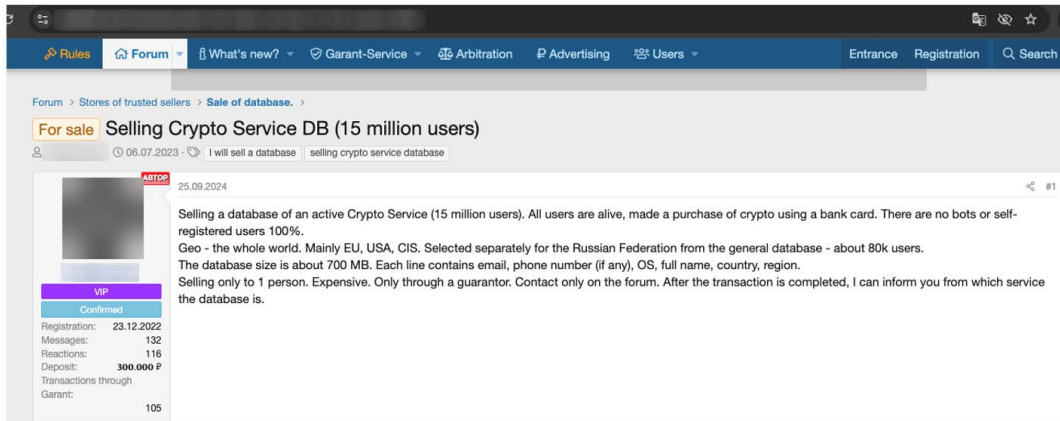


Figure 34. Offer to sell a database of a cryptocurrency service. which contains details of over 15 million users

Monetization of wallets with limited access

Stolen crypto wallets can have significant balances, but it is not always possible to extract money from these wallets. We see underground actors looking for alternative ways to monetize such assets. For example, in the request shown in Figure 35, a criminal looks to monetize a wallet with 816 Ethereum (approximately US\$2 million), but with a broken private key (making it inaccessible). They are suggesting it can still be used by others as part of a crypto scam e.g., to make it look like the scammer has funds available.

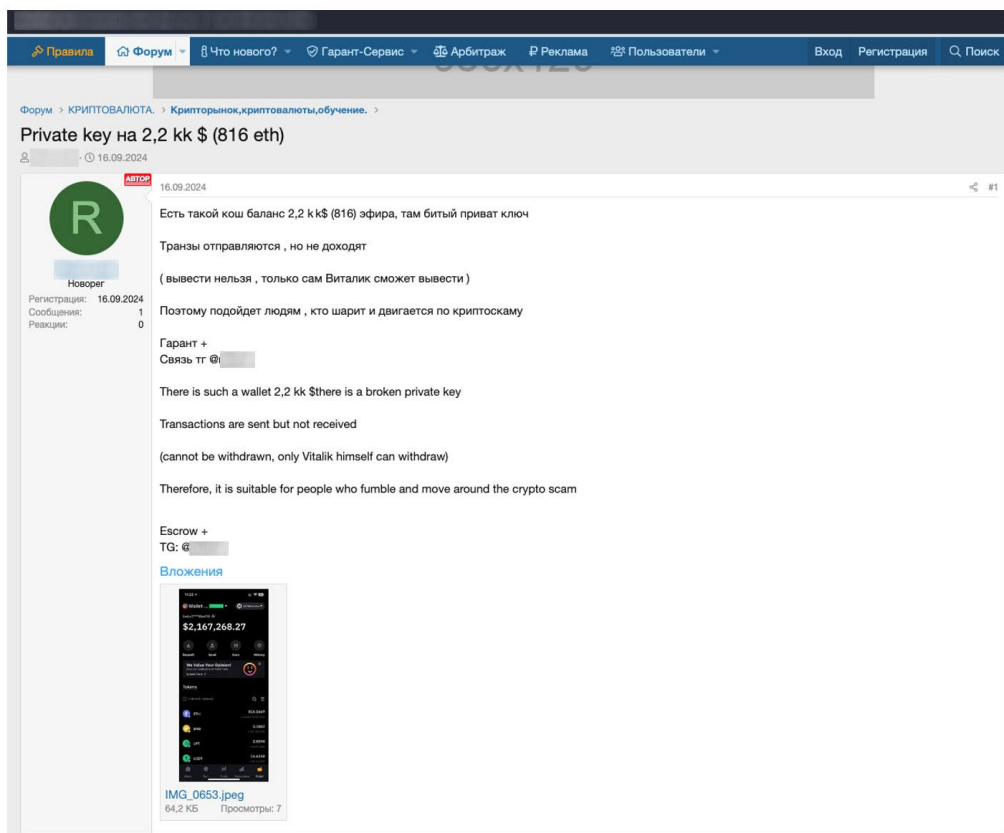


Figure 35. Sale of crypto wallet with significant balance but broken private key

BTC transaction cancellation scam

The existence of accounts with high balances, together with the inherent technical complexity of cryptocurrencies, and users' limited understanding of how they work, creates a niche for cryptocurrency related scams. The screenshot in Figure 36 shows a job offer for a scam that is based on BTC (Bitcoin) transaction cancellations. We can also observe the untrusted nature of the underground here, since the employee should provide a deposit of US\$100 as a guarantee of intent to start the job.

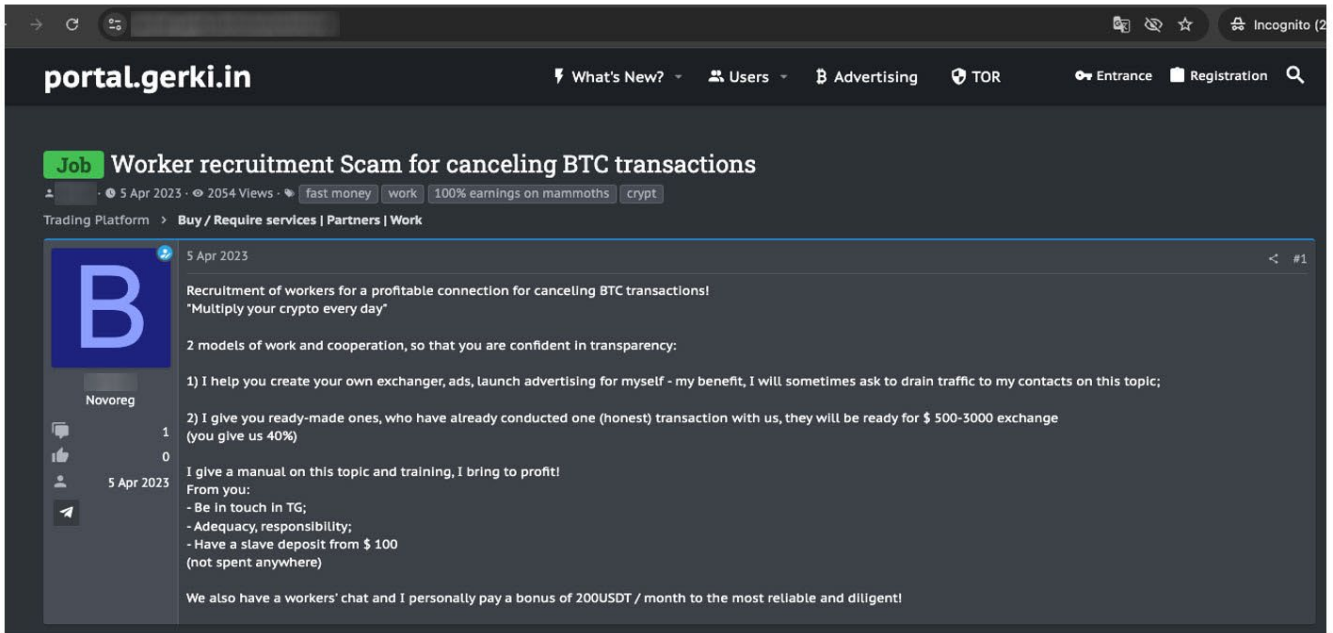


Figure 36. Job offers for a BTC transaction cancellation scam

Social engineering

Social engineering is used to trick victims into providing sensitive data like passwords, credit card numbers, or 2FA confirmation codes. The screenshot in Figure 37 shows an advertisement to join a team focused on bringing victims into overpriced bars and restaurants, which are either controlled or in collaboration with this group. The victim is tricked into spending money, which is then split among participants.



Figure 37. Invite into a team to social engineer victims into spending money in overpriced bars and restaurants, which are collaborating with the team. This shows a crossover between online and physical scam communities in some regions.

Romance baiting

Romance scams have an impact of over US\$1 billion⁷ annually, and related business processes and vacancies are very common on the criminal underground. The screenshot in Figure 38 shows a vacancy to join a romance scam team and interact directly with a potential victim. The job offers 20% revenue from the first, and 10% from future deposits paid by the victim.

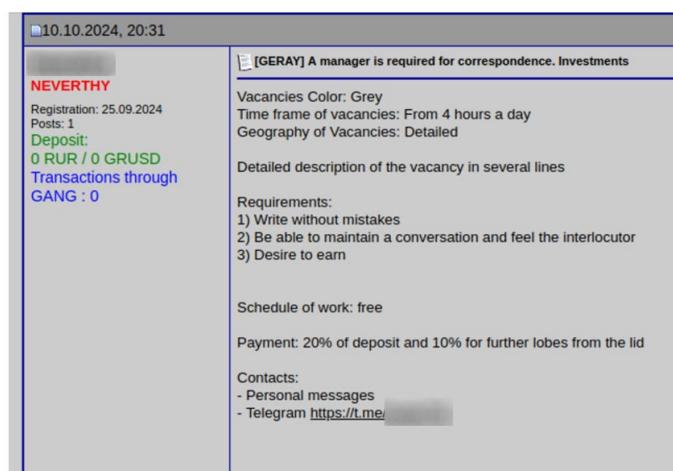


Figure 38. Vacancy for a romance baiting position

Support services that help such operations are available. Figure 39 shows an offer to sell photographs of female individuals, extracted from compromised iCloud accounts.

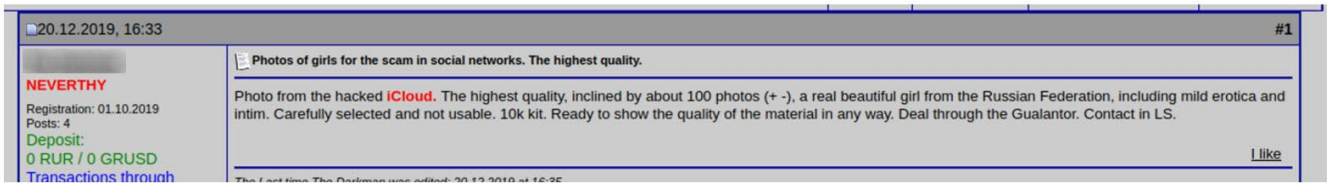


Figure 39. An offer to sell pictures of females from compromised iCloud accounts, to help with romance scams

Specialized tools are also available for use in such scams. The screenshot in Figure 40 shows a bot that is capable of generating a female voice.

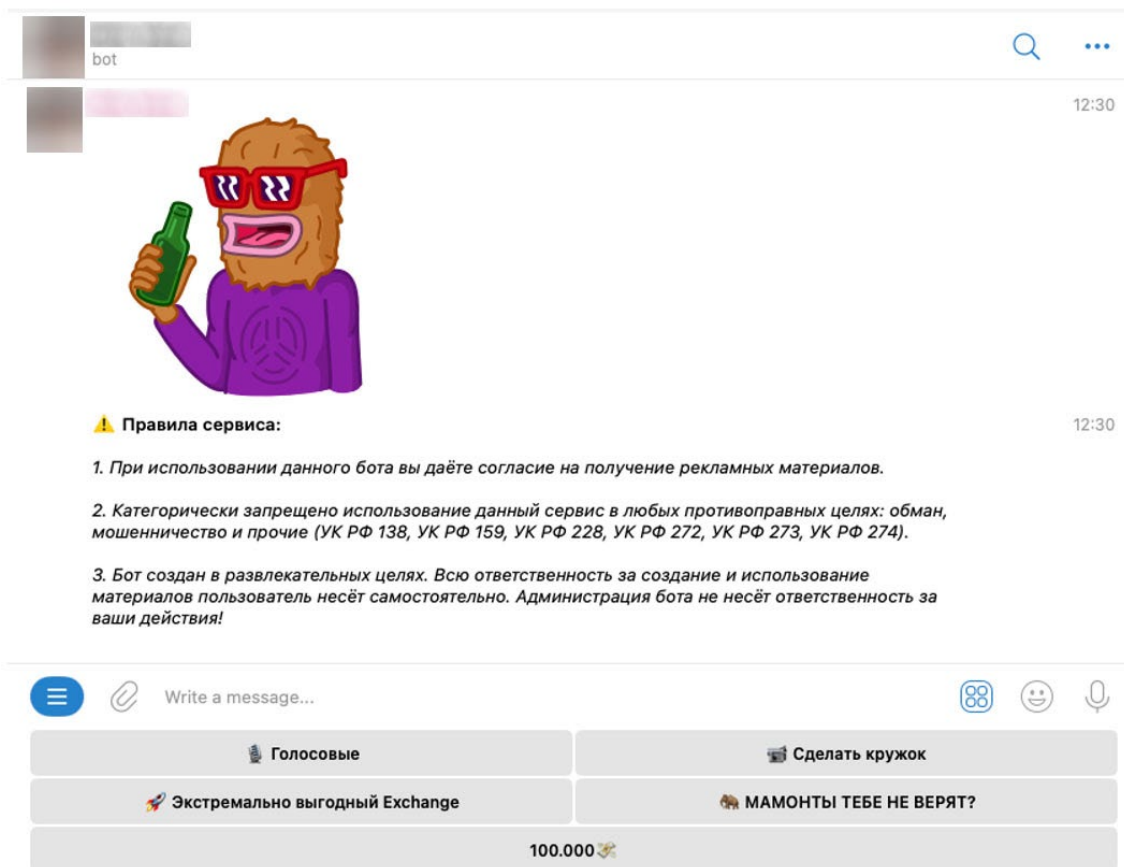


Figure 40. Bot to generate female voice for use in scams

Social media services

Social media services are popular in the underground, particularly related to business processes that operate in gray areas between crime and legitimacy. Such services often also have applications in SEO as well as other criminal business processes and psychological operations.

Media design services

Like other online services, criminals need good media and website design services. This includes criminal web facing assets, such as forums and shops. Such services are especially needed for criminal business processes where the monetization level directly depends on the quality of design, such as for assets used in phishing and scam campaigns.

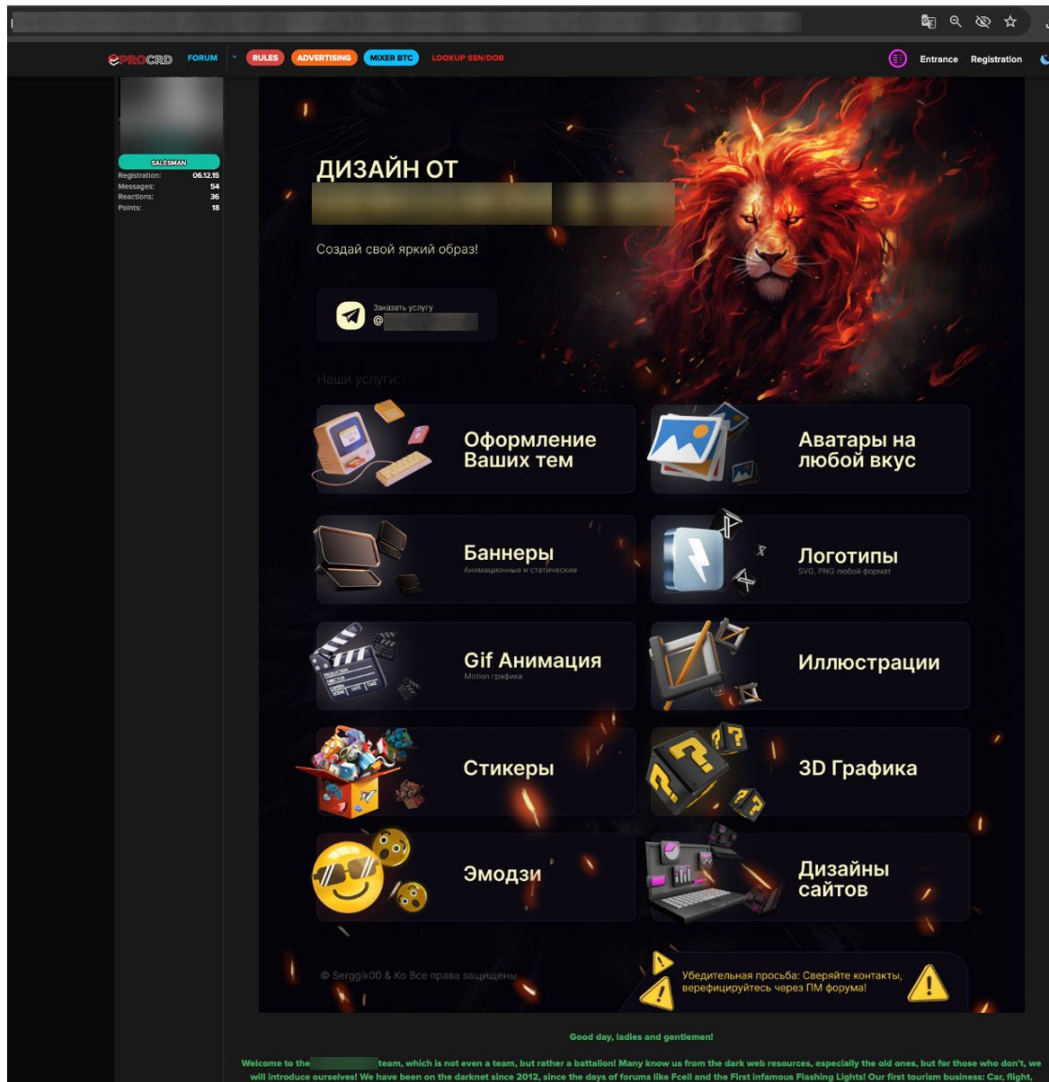


Figure 41. Media design offer from an underground design studio. Besides website design, the studio also offers avatars, logos, 3D graphics, stickers, banners, and custom requests.

Adding verified account tag

For many criminal business models, convincing someone of authenticity through an initial interaction via a messenger or social media platform often determines the success of the overall attack. In cases where preexisting trust is not present, factors like verified accounts are critical to build initial trust. Underground forums offer options such as the ability to add verified account tags to social media.

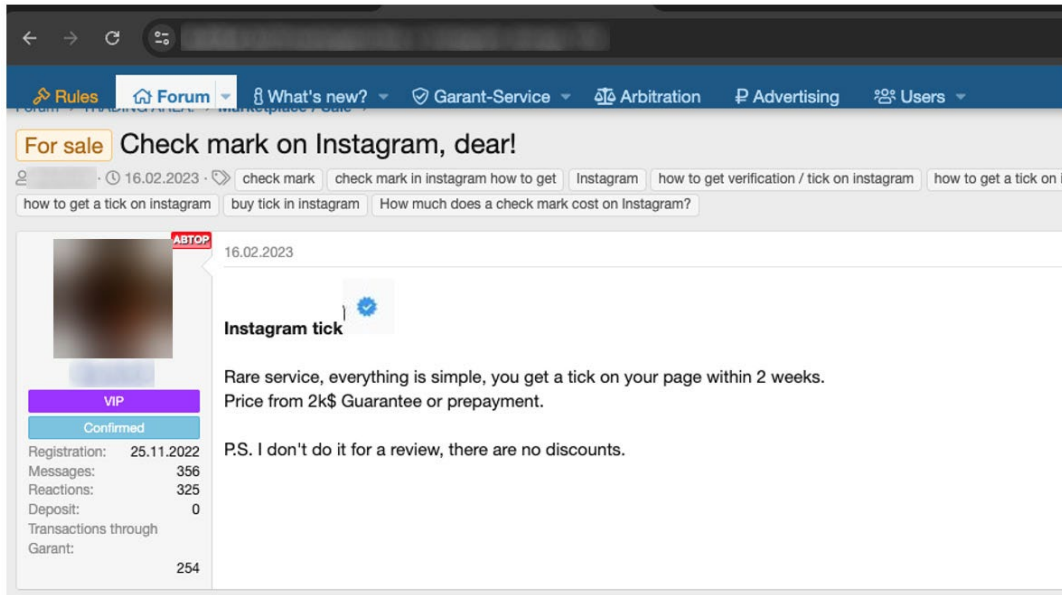


Figure 42. A service that adds a verified account tag to Instagram accounts for US\$2,000. The size of the payment should give an indication of the volume of profit expected as a result of using these.

Likes, comments, and followers

Likes, comments, and followers are integral factors to attract attention to a particular post or to make an account look more legitimate. These techniques are used in public opinion manipulation campaigns⁸ and as a part of social engineering and scam operations.

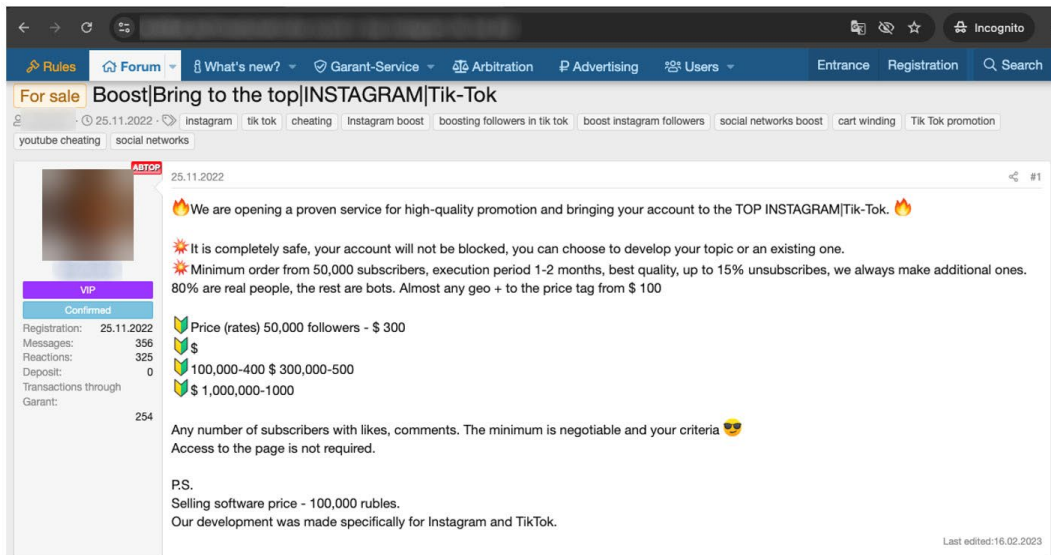
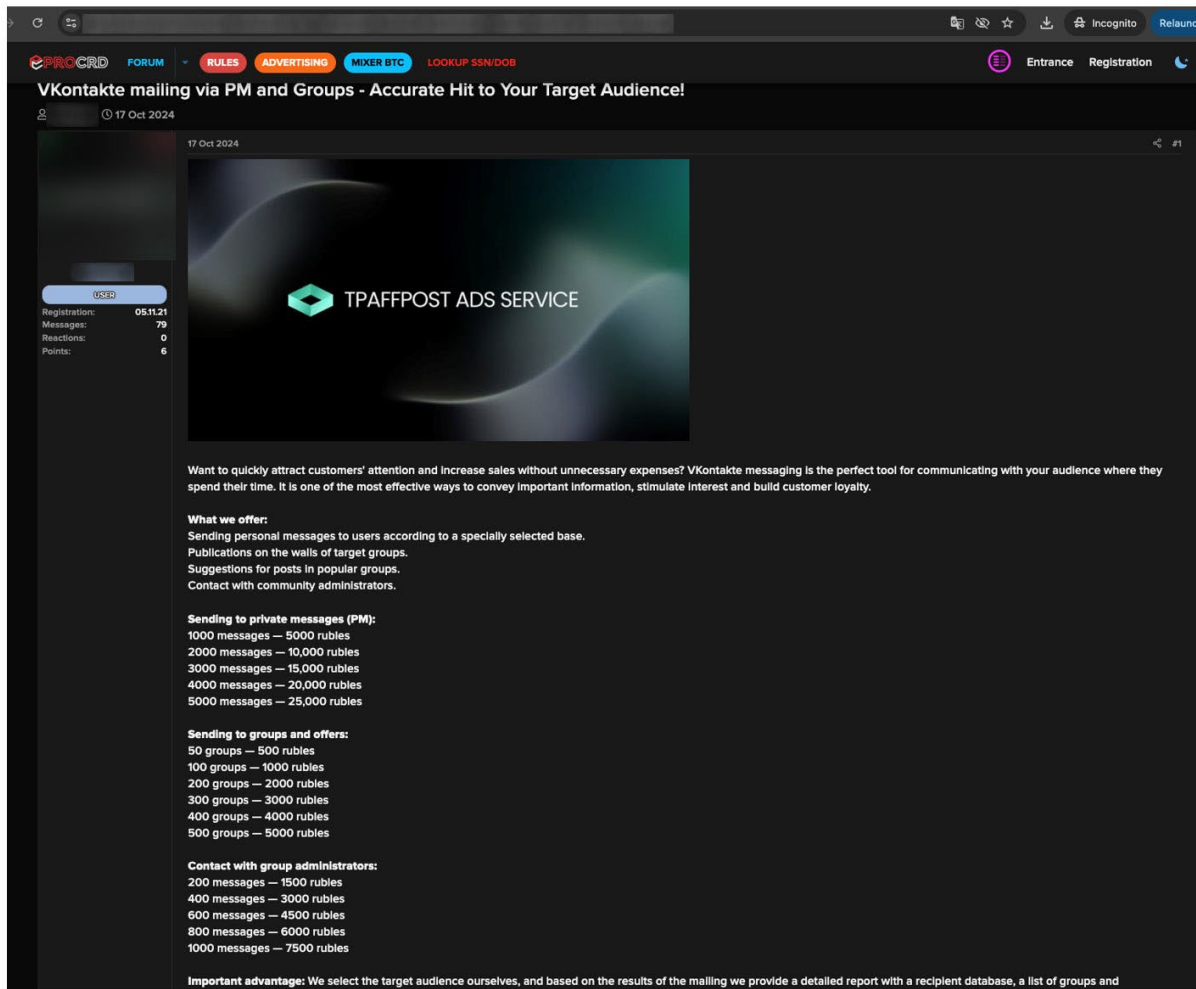


Figure 43. An example of the prices for followers. The price for 50,000 subscribers, delivered in one to two months, is US\$300. The cost of software that can be used to boost Instagram and TikTok accounts is US\$1,000.

Social media spamming in private messages and groups

Spamming private messages or groups is in demand and we see many offers of the service on the underground. For example, the price for 1,000 private messages or posting a message to 500 groups is RUB 5,000 (about US\$50).



The screenshot shows a forum post from 'PROCARD FORUM' dated 17 Oct 2024. The post is titled 'VKontakte mailing via PM and Groups - Accurate Hit to Your Target Audience!' and features a logo for 'TPAFFPOST ADS SERVICE'. The post content includes a description of the service, a list of offers, and pricing details.

What we offer:
Sending personal messages to users according to a specially selected base.
Publications on the walls of target groups.
Suggestions for posts in popular groups.
Contact with community administrators.

Sending to private messages (PM):
1000 messages — 5000 rubles
2000 messages — 10,000 rubles
3000 messages — 15,000 rubles
4000 messages — 20,000 rubles
5000 messages — 25,000 rubles

Sending to groups and offers:
50 groups — 500 rubles
100 groups — 1000 rubles
200 groups — 2000 rubles
300 groups — 3000 rubles
400 groups — 4000 rubles
500 groups — 5000 rubles

Contact with group administrators:
200 messages — 1500 rubles
400 messages — 3000 rubles
600 messages — 4500 rubles
800 messages — 6000 rubles
1000 messages — 7500 rubles

Important advantage: We select the target audience ourselves, and based on the results of the mailing we provide a detailed report with a recipient database, a list of groups and

Figure 44. Example of prices for sending messages to PMs and groups

Access-as-a-service

Hacking of accounts

Services to hack into a particular account – which can be email, social media, messenger platform or even corporate or equipment management accounts – have a significant demand on the underground. Figure 45 shows an example of such a service with prices.

ПО ЛЮБЫМ ИНТЕРЕСУЮЩИМ ВОПРОСАМ УВАЖИТЕЛЬНАЯ ПРОСЬБА
ОБРАЩАТЬСЯ В ЛС ФОРУМА ИЛИ ПО КОНТАКТАМ

@pm.me @rekcarw

ПРАЙС НА УСЛУГИ

mail.ru	доступ ✓	зеркало ✓	архив ✓	175\$	yandex.ru	доступ ✓	зеркало ✓	архив ✓	200\$
rambler.ru	доступ ✓	зеркало ✓	архив ✓	250\$	yahoo.com	зеркало ✓	архив ✓		700\$
gmail.com			архив ✓	800\$	protonmail.com	доступ ✓	архив ✓		1.000\$
telegram	доступ ✓		архив ✓	1.500\$	icloud.com	доступ ✓	архив ✓		2.000\$
Корпоративные почты				от 300\$	Блокировка Whatsapp				500\$

Услуги со 100% гарантией выполнения - по запросу.
Удаление негативной информации из интернета - индивидуально.

ПРОБИВ ИНФОРМАЦИИ

МОБИЛЬНЫЙ БАНКОВСКИЙ СУДЕБНЫЙ ГОСУДАРСТВЕННЫЙ

БОЛЬШОЙ СПЕКТР УСЛУГ - УТОЧНЯЙТЕ.

Figure 45. Pricing for account compromise: the price to attack corporate email accounts starts at US\$300, ProtonMail accounts at US\$1,000, and blocking a WhatsApp account at US\$500.

Online account creation

Automated platforms for mass account creation help underground actors scale their business processes. On the screenshot below you can see an automation bot for renting and purchasing phone numbers, this can be used to create accounts on many online services at scale. The service claims to be operating with phone numbers from 189 countries, supporting over 1,000 online service platforms and 217 mobile operators.

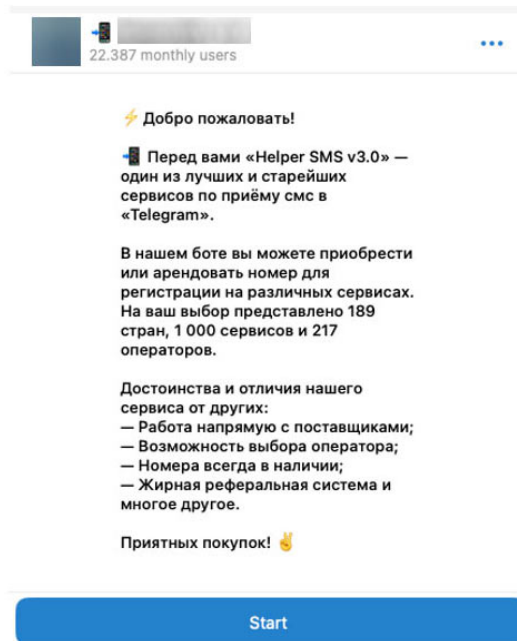


Figure 46. An Account creation service (leveraging SMS landing services) with support for 189 countries

Another service, advertised on the ProCrd forum, provides access to USA based numbers. A 15 minute rental costs US\$0.50, while long-term rental for a week starts from US\$3.50, and from US\$11.50 for a month.



Figure 47. SMS verification offer on real USA numbers - for use in account creation

Online account sales (e.g., Hulu, Netflix, food apps)

Due to the scale of demand and variety of criminal business processes that leverage accounts for different online platforms, those accounts are often sold through bot automation or using dedicated shops. The price model often depends on the age of account, level of verification, and activities. For social media and messenger platforms, this can factor in the number of subscribers, groups owned by the account, and how the account was created (manually or using automated tools).

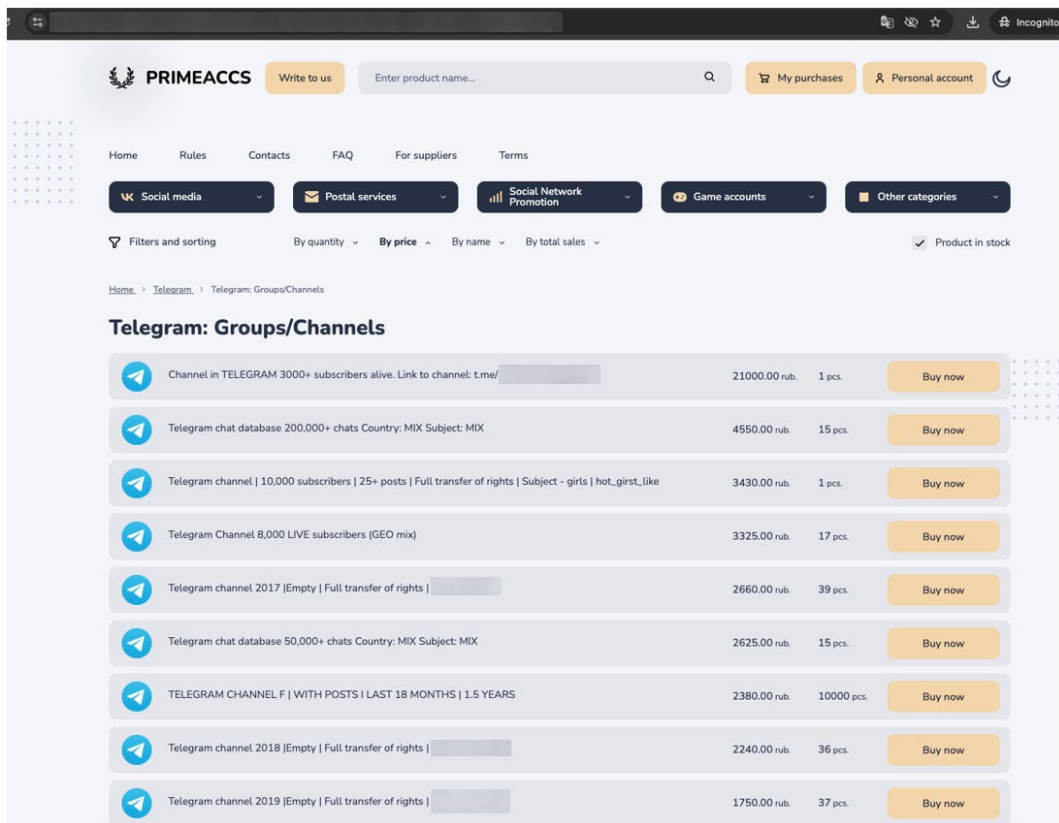


Figure 48. Shop with pricing for telegram channels, with subscribers being a differentiating factor in price

PRIMEACCS Write to us Enter product name... My purchases Personal account

Home Rules Contacts FAQ For suppliers Terms

Social Network Promotion Game accounts Other categories

Filters a By name By total sales Product in stock

Instagram followers / Instagram | 1,000,000 | offers 69300.00 rub. 15 pcs. Buy now

Instagram followers / Instagram | 500,000 | offers 41300.00 rub. 15 pcs. Buy now

Instagram followers / Instagram | 100,000 | offers 8260.00 rub. 12 pcs. Buy now

Instagram - promoted women's with PHOTO // LIVE 3000 subscribers / Ava. / Includes native Yandex mail. Registration date February 2022. Suitable for any purpose. Link https://instagram.com. 6475.00 rub. 1 pcs. Buy now

Instagram - promoted female with PHOTO // LIVE 3000 subscribers / Ava / Includes mail. Date of reg. 07.2022. Link https://www.instagram.com 5600.00 rub. 1 pcs. Buy now

Instagram.com accounts with 40,000+ followers (bots). mail @firstmail.ltd. Profile verified via SMS. Avatar and 199 posts uploaded. Page link in description below. 5317.00 rub. 1 pcs. Buy now

Instagram.com accounts with subscribers 27400+ followers (bots). Native mail @mail.ru. Profile verified by SMS. Avatar and 106 publications uploaded. Link to the page in the description below. 4418.70 rub. 1 pcs. Buy now

Instagram accounts | 15,000+ followers | Profile is empty | Native mail. #32 4075.50 rub. 1 pcs. Buy now

IG accounts. Instagram autoregs registered in 2023. Avatars and publications are uploaded. The account has 20,000 subscribers. Non-native email firstmail.ltd. Link to the page in the description below. 3248.70 rub. 1 pcs. Buy now

Instagram accounts | 10,000+ followers | Profile is empty | Native mail. #32 2715.70 rub. 1 pcs. Buy now

Instagram - 2020 United Kingdom ip | Accounts created on 4G mobile proxies | Native mail, mail.ru mail, Mail in blocked | 2FA-reserve codes 1750.00 rub. 15 pcs. Buy now

Home Instagram

Instagram

Instagram: Autoregs

Instagram - autoreg (Registration via emulators) USED UNDER FB (BM) BUSINESS profile enabled (PROF MODE) In the format Login: Password | Device | Cookies 4.38 rub. 107 pcs. Buy now

Instagram - autoreg is empty, clean, registered by email, IAM format 4.38 rub. 13528 pcs. Buy now

Instagram - autoreg ! USED. ALREADY WORKED with linking to FACEBOOK The account can have an avatar, subscribers, posts ! BM DOES NOT CREATE | In IAM format 5.08 rub. 72 pcs. Buy now

Instagram - autoreg | MOB Real | warm-up imitation | Format Login:Pass|IAM cookies| (Log in strictly by IAM Cookie, if you don't know what it is - don't buy it, please) 5.25 rub. 387 pcs. Buy now

Instagram autoreg MOB REAL MAIL Registered by mail | Fresh reg | IAM issuance 5.25 rub. 38 pcs. Buy now

INSTAGRAM Accounts 100% Fully valid | DO NOT require SMS confirmation | GENDER MIX (female and male) | High trust | Great for starting and other purposes | No filling | Shelf life 1-20 days | for use in the InstAccountsMa program 5.60 rub. 1 pcs. Buy now

Instagram - autoreg (Registration via Email) Not used anywhere In the format Login: Pass|IAM cookies| (Login only by cookies). Attention! No replacements! 6.65 rub. 88 pcs. Buy now

Instagram | EMULATOR REAL MAIL LAST API | API format InstAccountsManager | Direct and MFML work great 7.00 rub. 1179 pcs. Buy now

Instagram accounts. Registration for the official Android application on the phone number. Format login: password. cookie 11.96 rub. 2 pcs. Buy now

Instagram - autoreg, empty + 1 YEAR mail included firstmail.ltd || suitable for mass following and masstikins cookies + Email included format:login:password|cookies|mail:mailpassword 75.25 rub. 1201 pcs. Buy now

Instagram.com (Instagram) accounts | Aged from 2 years. Includes mail (firstmail.ltd). Accounts are confirmed by SMS. The profile may be partially filled 115.70 rub. 72 pcs. Buy now

INSTAGRAM June 2024 | For Mass DM | Immune to purges - Registration by real people | Geo USA | Format InstAccountsManager 122.50 rub. 227 pcs. Buy now

Instagram: Manual Registration

Instagram.com - Manual registration to mail inbox.lv There is a first letter, an avatar has been added 43.75 rub. 145 pcs. Buy now

Instagram.com - Manual registration to mail inbox.lv There is the first letter, (ABA + 6 Posts) 49.00 rub. 35 pcs. Buy now

Figure 49. A list of Instagram accounts and services, with the highest price offer (top) vs cheapest price offer (bottom). Overall, these range from as little as US\$0.04 up to around US\$700, which shows how the account type affects pricing.

PRIMEACCS Write to us Enter product name... My purchases Personal account

Home Rules Contacts FAQ For suppliers Terms

Social media Postal services Social Network Promotion Game accounts Other categories

Filters and sorting By quantity By price By name By total sales Product in stock

Home > Gmail > Gmail: Old/Aged

Gmail: Old/Aged

	Autoreg Gmail.com accounts. Registration date - 04-05.2021. Partially confirmed by SMS. Included additional mail@rambler.ru. Gender (MIX). No phone in profile security. Registered with MIX IP.	231.00 rub.	119 pcs.	Buy now
	Gmail CA mail with passed disabled 14+ days of aging 2FA Authenticator key res mail no phone in profile	218.75 rub.	22 pcs.	Buy now
	Gmail DE mail with passed disabled 14+ days of aging 2FA Authenticator key mail res no phone in profile	218.75 rub.	8 pcs.	Buy now
	Google UK mail with passed disabled 14+ days of validation 2FA Authenticator key mail res no phone in profile	218.75 rub.	5 pcs.	Buy now
	Google SE mail with disabled 14+ days of validation 2FA Authenticator key mail res no phone number in profile	218.75 rub.	6 pcs.	Buy now
	Google USA mail with passed disabled 14+ days of aging 2FA Authenticator key mail res no phone in profile	218.75 rub.	30 pcs.	Buy now
	Google FR mail with passed disabled 14+ days of aging 2FA Authenticator key res mail no phone in profile	218.75 rub.	11 pcs.	Buy now
	Autoreg accounts Gmail.com. Date of registration - 09.2021. Partially confirmed by SMS. Included additional mail@rambler.ru. Gender (MIX). No phone in profile security. Registered with MIX IP.	147.00 rub.	409 pcs.	Buy now
	GMAIL Switzerland ip accounts [2023-2024] Additional mail included (without password). Can be used in some services.	140.00 rub.	1 pcs.	Buy now
	GMAIL Sri Lanka ip accounts [2023-2024] Additional mail included (without password). Can be used in some services.	140.00 rub.	1 pcs.	Buy now
	GMAIL South Korea ip accounts [2023-2024] Additional mail included (without password). Can be used in some services.	140.00 rub.	2 pcs.	Buy now
	GMAIL South Africa ip accounts [2023-2024] Additional mail included (without password). Can be used in some services.	140.00 rub.	4 pcs.	Buy now

PRIMEACCS Write to us Enter product name... My purchases Personal account

Home Rules Contacts FAQ For suppliers Terms

Social media Postal services Social Network Promotion Game accounts Other categories

Filters and sorting By quantity By price By name By total sales Product in stock

Home > Gmail > Gmail: Autoregs

Gmail: Autoregs

	Gmail.com account -with redirect email (For Twitter Reg.)	3.50 rub.	22840 pcs.	Buy now
	Google Accounts (domains not @gmail.com) Youtube and Gmail mail do not work They do not ask for SMS when logging in. The number is unlinked The names and surnames, as well as the interface are foreign, in English.	3.50 rub.	81 pcs.	Buy now
	Gmail.com account -with redirect email (For Facebook Reg.)	5.25 rub.	20257 pcs.	Buy now
	Gmail.com account -with redirect email (For Telegram Reg.)	7.00 rub.	22285 pcs.	Buy now
	Gmail Country Brazil Gender MIX Includes additional mail	30.00 rub.	1 pcs.	Buy now
	Gmail Country MIX Verified by number Additional mail included Strong accounts, with aging Login from any proxy	30.00 rub.	12 pcs.	Buy now
	Autoreg Gmail.com accounts. Confirmed by SMS. Additional mail included. Gender (MIX). No phone in profile security. Registered with USA IP. Registration date - May 2024.	49.00 rub.	30 pcs.	Buy now
	GMAIL MIX IP (EN PROFILE RESERVE MAIL AGE FROM 7 DAYS LOGIN WITHOUT SMS)	52.50 rub.	133 pcs.	Buy now
	Gmail Country Brazil Gender MIX Additional email included	60.20 rub.	25 pcs.	Buy now

Figure 50. Aged Gmail accounts (top) vs auto registered (bottom), showing a clear difference in price range (from US\$0.03 to US\$2.30)

Banning assets from the internet

Banning accounts, deleting groups, channels, bots, or chat services can often be leveraged as part of extortion, revenge attacks or competitors' unfair interactions. The prices for such services often range between US\$300 to US\$500. The screenshots in Figure 51 and Figure 52 show advertisements of such services for WhatsApp, Instagram, TikTok, Facebook, VK, OK, YouTube, and X platforms.

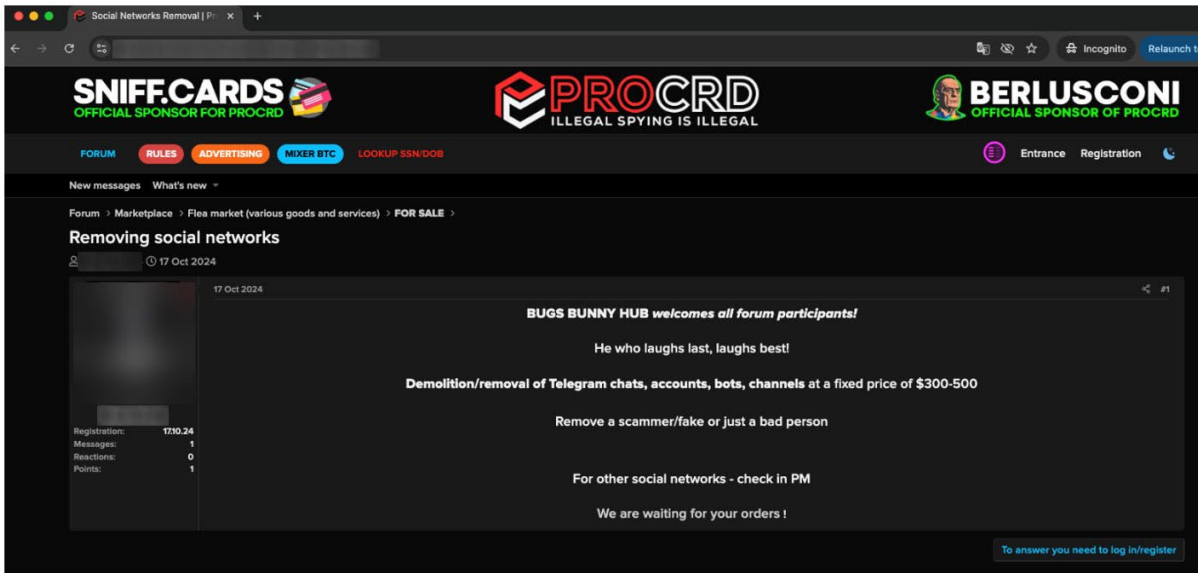


Figure 51. Service for banning telegram accounts, channels and other media platform assets

PROCRD FORUM - RULES ADVERTISING MIXER BTC LOOKUP SSN/DOB Entrance

SALESMAN
USER

Registration: 02.02.24
Messages: 11
Reactions: 0
Points: 1

BARBADOS

БЛОКИРОВКА СОЦИАЛЬНЫХ СЕТЕЙ И МЕССЕНДЖЕРОВ

БЛОКИРОВКА INSTAGRAM, TWITTER, ТIKТОК, WHATSAPP, FB И YOUTUBE

10+

АУТОРИТЕТНЫХ ПОИСКАДОВ

100+

ПОЛОЖИТЕЛЬНЫХ ОТЗЫВОВ

Prologic.Su

PROBIV.EC

DUBLIKAT

DarkMarket

WWW.Club

MailTalk

CENTA

SOFTXAKER.RU

ПРИГЛАШАЕМ СЕРВИСЫ ДЛЯ ОПТОВОГО СОТРУДНИЧЕСТВА
ОТ 10 ЗАКАЗОВ И МЕНЬШЕ ЦЕНА - 50%, ТИЛЬКО НЕ В РЕГИОНАХ

Отсканируйте QR-код для быстрого перехода в личные сообщения Telegram

ТРЕМА ID

ОТСКАНИРУЙТЕ QR-КОД

Для связи напишите в поддержку во вложении название на фэйсе

Contacts:

Jabber: @exploit_lm

Telegram: ()

Threema ID:

Prices (minimum):

- Instagram, WhatsApp from \$400
- TikTok, FB from \$800
- Twitter Youtube from \$1500

Completion time:

- From 3 to 21 days
- After analyzing the page, we will provide more accurate information about the cost and terms
- The price depends on the type and owner of the account (bloggers, stores, business, verified)

UNBAN service available:

- Instagram
- WhatsApp

Figure 52. Service for banning accounts on major social media networks, ranging from US\$400 to US\$1,500

Provision of infrastructure

In the cybercrime underground, a criminal's infrastructure serves as the foundation of their entire business model. It hosts anonymizing services for keeping their activities private, command-and-control (C&C) servers for taking advantage of victims' machines, and discussion forums for communicating with other criminals. Infrastructure enables threat actors to harbor cybercriminal components and carry out their malicious activities.

Provision of infrastructure services is well-developed in the criminal underground. While they are evolving over time, Trend Micro did a three-part in-depth series on this aspect of the underground ecosystem in 2020.^{9,10,11}

Hosting services

Hosting services are split into several categories, including physical equipment, VPS, and hosting, which leverages fast flux technologies. The prices for these services depend on geographical location, equipment specification, required network connectivity, and permitted activities. Pricing is normally listed in a "USD/Month" format.

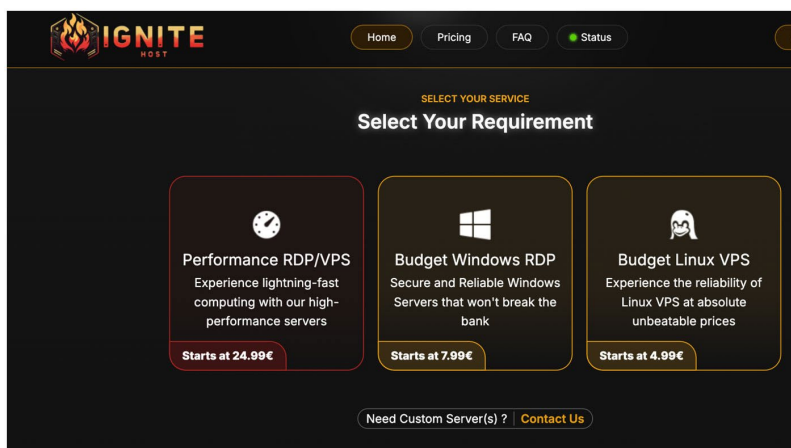



Figure 53. Hosting provider offering encrypted RDP/VPS, Windows RDP access, and Linux VPS

The list of permitted and non-permitted activities is often included in the advertisements for these services. For example, in the screenshot below, the hosting service explicitly states that it ignores Spamhaus requests, while any services related to drugs, child sexual abuse material (CSAM), terrorism, DDoS attacks, mass scans, actions against any government or country, and conducting activities in CIS countries are not permitted.

Tuesday at 07:06 New 🔔 #1




floppy disk

User

Registration: 09.11.2024
Messages: 1
Reactions: 0

Price: 20 - 160 \$

Contacts: @ [redacted]



We offer fast abusive VPS/ VDS with cryptocurrency payment! Spamhaus is ignored.

The following are not allowed on our hosting:

1. Websites/bots and other drug related stuff

2. Child pornography 3. Terrorism 4. DDoS attacks / mass scanning from servers 5. Actions against government agencies of any country 6.

Work on CIS VPS **/VDS (Germany)**: Ryzen 9 5950X, network up to 1 Gbps 2/4/60 - ~~\$40~~ \$20 3/6/90 - ~~\$60~~ \$30 4/8/120 - ~~\$80~~ \$40 6/12/180 - ~~\$120~~ \$60 8/16/240 - ~~\$160~~ \$ 80 Now there is a **-50% discount on all tariff plans!** Telegram: @ [redacted] Web: [redacted]

Figure 54. VPS/VDS service offer that ignores Spamhaus requests, but lists a range of services they do not permit to avoid too much attention from authorities. Spamhaus is a domain and IP reputation service.

The post below shows prices for hosting depending on location, hardware specification, and connectivity.

TARIFFS

Need more RAM? Faster network speed? Need to increase disk size, change server location? Just tell us and we will make a turnkey server especially for you!

Additional services

domains, 30+ TB SSD on request, servers for Nox emulators, BlueStacks, LD Player, MEmu, OpenVPN/Wireguard configs and much more.

ATTENTION!!!

These are not all the servers we have. You can see the rest of the configurations in [the telegram channel](#) , or by request in [PM](#) .

NETHERLANDS

Netherlands	1 CPU core	1 Gb RAM	20 Gb SSD	up to ~1 gb/sec network	850 rub/month	ORDER
Netherlands	4 CPU core	8 Gb RAM	60 Gb SSD	up to ~1 gb/sec network	2890 rub/month	ORDER
Netherlands	6 CPU core	32 Gb RAM	80 Gb SSD	up to ~1 gb/sec network	6500 rub/month	ORDER

RUSSIA

Russia	1 CPU core	1 Gb RAM	20 Gb SSD	up to ~1 gb/sec network	250 rub/month	ORDER
Russia	4 CPU core	8 Gb RAM	30 Gb SSD	up to ~1 gb/sec network	1170 rub/month	ORDER
Russia	12 CPU core	24 Gb RAM	80 Gb SSD	up to ~1 gb/sec network	2650 rub/month	ORDER

USA

USA	2 CPU core	2 Gb RAM	30 Gb SSD	up to ~1 gb/sec network	970 rub/month	ORDER
USA	4 CPU core	8 Gb RAM	80 Gb SSD	up to ~1 gb/sec network	2790 rub/month	ORDER
USA	8 CPU core	12 Gb RAM	140 Gb SSD	up to ~1 gb/sec network	5500 rub/month	ORDER

EUROPE AND THE EAST

Germany, Romania, Poland, Israel, Turkey, Czech Republic, Finland, Moldova, Hungary, Bulgaria, Slovakia, Hong Kong

Germany	2 CPU core	2 Gb RAM	20 Gb SSD	up to ~1 gb/sec network	860 rub/month	ORDER
Czech Republic	4 CPU core	6 Gb RAM	60 Gb SSD	up to ~1 gb/sec network	2190 rub/month	ORDER
Poland	8 CPU core	12 Gb RAM	140 Gb SSD	up to ~1 gb/sec network	4890 rub/month	ORDER

SOME MORE POWERFUL READY-MADE CONFIGURATIONS

18 CPU core	36 Threads	64 Gb RAM	240/480/960 Gb SSD	1 gb/sec network	ORDER
22 CPU core	36 Threads	64 Gb RAM	240/480/960 Gb SSD	1 gb/sec network	ORDER
28 CPU core	56 Threads	64 Gb RAM	240/480/960 Gb SSD	1 gb/sec network	ORDER

Figure 55. Examples of pricing based on different locations and configuration

Fast flux

Fast flux is a domain name service (DNS) obfuscation technique that botnets use to hide their servers behind an ever-changing network of compromised machines or proxies. Fast flux hosting has its own specifics and limitations, but a key shared property is that it is really hard to take down assets hosted this way. Figure 56 shows an example of a fast flux hosting advertisement.

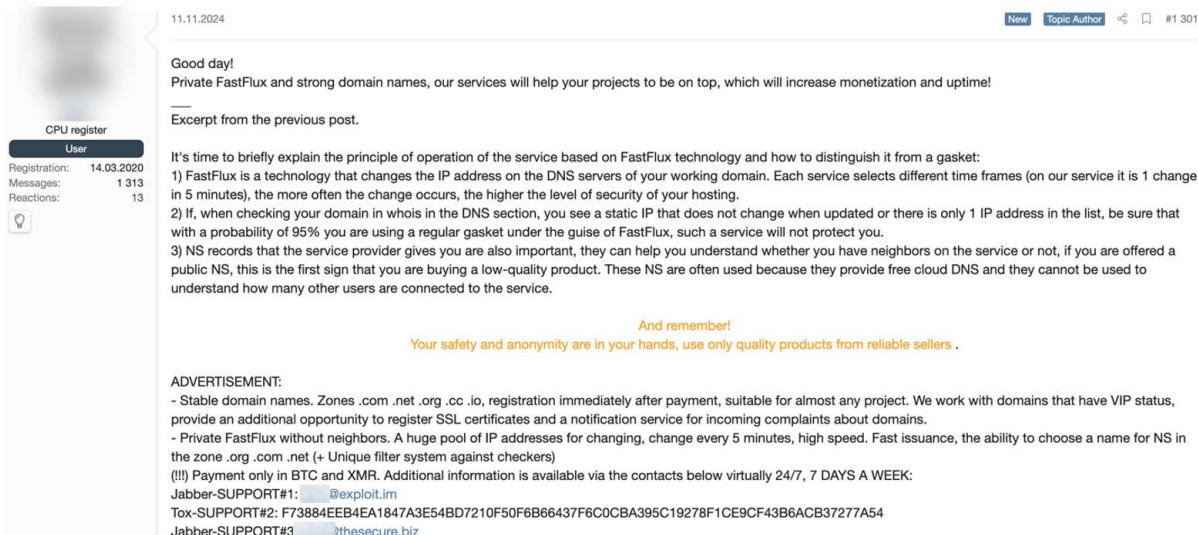


Figure 56. A fast flux hosting service offer that only accepts payment in cryptocurrencies

Residential proxies

Residential proxy providers provide paying customers access to residential IP addresses, usually for the nominal purposes of web localization testing, advertisement survey, marketing survey, research, and anonymity.

The role of residential proxies are increasing in today's criminal business processes, partly substituting the needs of classic bulletproof hosting. They allow many criminal businesses to scale processes and target victims from IP addresses with geographical precision, even up to the city of the attacker's choice. This property often helps them bypass security mechanisms like antifraud systems or used to obfuscate crawling services, clickfraud, and more.

RESIDENTIAL BACKCONNECT PROXIES
Приватные Резидентные Прокси USA EUROPE WORLD MIX

«/» ЗАКАЗАТЬ

Наши условия

- Тест на сутки: 40\$**
Привязка к IP адресу вашего сервера/компьютера
Прокси можно купить на сутки 40\$
Все прокси приватные
Возврат на суточный тест отсутствует
- Гарантии**
От нас - Пул прокси обновляется каждые сутки
Если не подходит прокси, возврат отсутствует
Постоянная поддержка и советы по использованию прокси
- Поддержка**
Мы всегда оказываем помощь нашим клиентам
Есть свой чат-бот для связи и заказа

Figure 57. An advertisement for a residential proxy service for US\$40 per day

Telegram marketplaces and marketplace toolkits

Marketplaces are integrated platforms for underground functions, automating sales of goods and services.

390 members

Personal accounts
8 Messages

17 July

ВНИМАНИЕ

В этой теме выложены персональные счета небанков, бирж и всевозможных контор из различных стран мира, которые имеются в наличии

ATTENTION

This topic contains personal accounts of neobanks, exchanges and all kinds of offices from different countries of the world that are available

18 September

- WISE Personal (USA) - 325 \$
- PNC - 220 \$
- ARVEST - 220 \$
- WELLS FARGO - 220 \$
- USALLIANCE FCU - 210 \$
- CITI BANK - 210 \$
- TRUIST - 200 \$
- SYNCHRONY - 180 \$
- ALLIANT CU - 160 \$
- BMO ALTO - 160 \$
- TD BANK - 150 \$
- HUNTINGTON - 150 \$
- BMO - 140 \$
- CHARLES SCHWAB - 130 \$
- SMARTYPIG (Saving) - 130 \$
- MANAGEMENT - 125 \$
- CITIZENS (Saving) - 120 \$
- SALLIE MAE - 120 \$
- ALLY BANK - 120 \$

Figure 58. Octopus marketplace for stolen bank accounts (hosted on Telegram)

Price 4000\$
Term 7 days

We work through guarantor services.

The price includes: Platform, Partnership, Payment systems, Games and other integrations.

==

...

Spinomenal / Betradar Virtual Sports / Nolimit City / Evolution RNG Games / True Flip / Wazdan / Casino Technology / iSoftBet / Pragmatic Play / BGaming / Yggdrasil / Revolver Gaming / Triple Cherry / Spadegaming / Betsolutions / BetGames.TV / Microgaming / Big Time Gaming / Fantasma / Foxium / Lightning Box / Push Gaming / JFTW / ELK / Red Tiger Gaming / Playtech / XPG / NetEnt / Smartsoft / Superomatic / **15,000+ games.**

-

In total, there is integration with 150+ licensed providers.

=====

Integration with payment systems:

Piastrix, Freekassa, Coinpayments, Qiwi, Skypay, SKRILL, Jeton, Perfect Money, Much Better, Merchant (deposit from cards of all countries of the world, except the USA and UK)...

=====

Our additional services:

Support rental for players - \$ 1,500 per month

We have 15 people 24/7

-

Technical support - \$ 1,000 per month (first 3 months free)

Technical support also works 24/7

-

If there is a subscription for support, we guarantee comprehensive protection of servers from DDoS attacks, we also add your project to our partner program and affiliate system.

=

Updates are released 3 times a month

Any improvements / amendments to the site are free

We work through Garant-Service!

Figure 59. Offer for a marketplace platform all-in-one solution, selling for US\$4,000

Carding shops and platforms

Carding shops and platforms often sell credit card information with associated details, which ease the bypass of antifraud systems. The collected information includes user agent, location, type, number, bank, holder, CVV, and other information. For the majority of carding shops, it is possible to purchase a card based on the geolocation of its user.

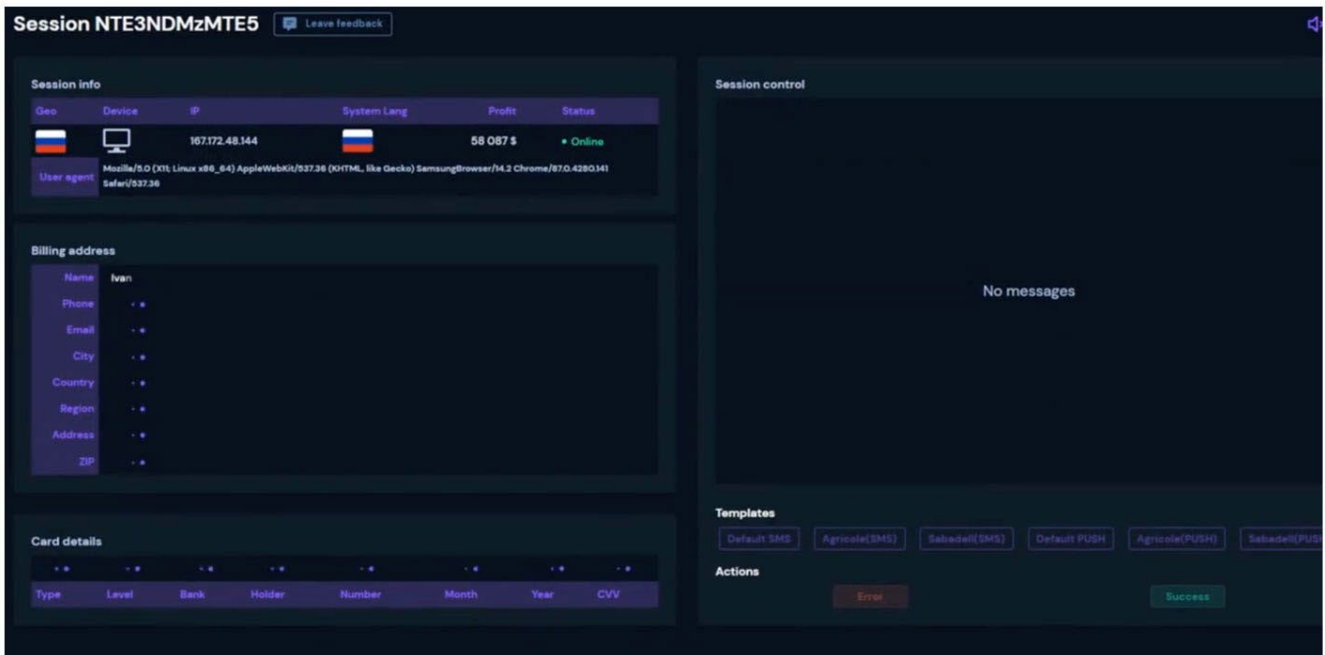


Figure 60. A credit card stealing platform’s interface, which shows the key attributes collected for use by those looking to leverage the stolen cards.

Cloud of logs

A “cloud of logs”¹² is a searchable collection of credentials and other valuable information, which is widely monetized in different criminal processes. These collections are sourced by attackers from infostealer logs, phishing campaigns, breaches, and more – and organized into databases offered as a service to other criminals. There is huge demand for custom queries for such services and logs, which match the business models of various types of underground actors.

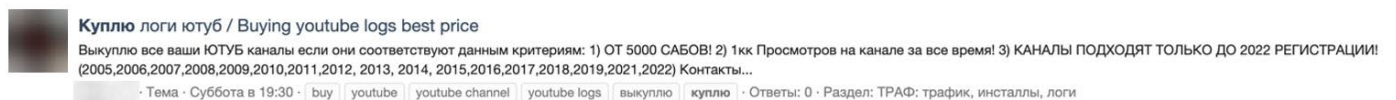


Figure 61. Request to buy YouTube accounts with specific requirements (at least 5,000 subscribers, 1 million total views, registered before 2022)

dublikat.bz/threads/vip-ross-logs-store-magazin-top-logov-na-rynke-24-7-52/

Rules Forum What's new? Garant-Service Arbitration Advertising Users Entrance Registration Search

Verified **VIP Ross Logs Store - TOP LOGS store on the market 24/7**

ross cloud ross log store ross logs store - top logs store ross logs store - top logs store on the market telegram vip ross logs store where to get logs buy logs from stealer

buy fb logs paypal logs bank account logs logs from stealer log store what are logs

1 2 Forward

24.11.2022

R

Confirmed

Registration: 24.11.2022
 Messages: 57
 Reactions: 41
 Deposit: 0.03 BTC
 Transactions through Garant: 75

ABTOP

24.11.2022

Hello everyone!
 I am glad to inform you about the opening of a store of high-quality EU/USA/WORLD logs.

- We pour non-stop 24/7 12 months a year
- Logs are sold exclusively to one person!
- Log check for the necessary links/passwords before issuing.
- Amazon, Ebay, Paypal, BTC wallets, Bank acc, Booking, Airbnb, Facebook, Credit Cards and etc
- Bonuses for regular customers in the form of good discounts, replacements without confirmation of invalidity.

Spoiler: RULES

Price: Minimum purchase from 10 pcs

USA/Canada:
 PayPal/Amazon - \$50 per pc.
 Amazon+CC - \$30 per pc.
 Banks - from \$100 per pc.
 Gmail/Facebook - \$10 per pc
 . Crypto exchanges - \$200 per pc.
 Any other request - \$50 per pc.

EU/other:
 PayPal/Amazon - \$30 per pc.
 Amazon+CC - \$30 per pc.
 Gmail/Facebook - \$5 per pc.
 Crypto exchanges - \$100 per pc.
 Any other request - \$50 per pc.

Access to the log cloud.

- 🏠 EU - \$800/month
- 🏠 US - \$1000/month
- 🏠 Worldwide - \$1500/month
- 🏠 Private Jet Air - \$2000/month - This tariff includes only fresh logs that will be spilled only for this tariff. Installs (private) price negotiable EU / USA

☑ Logs strictly in 1 hand, choose your link, download it and it is automatically deleted from the general database.
 ☑ If your link is not there, write to me directly.
 ☑ Pre-order logs (your link) from 10 pcs more, they are sorted out very quickly.

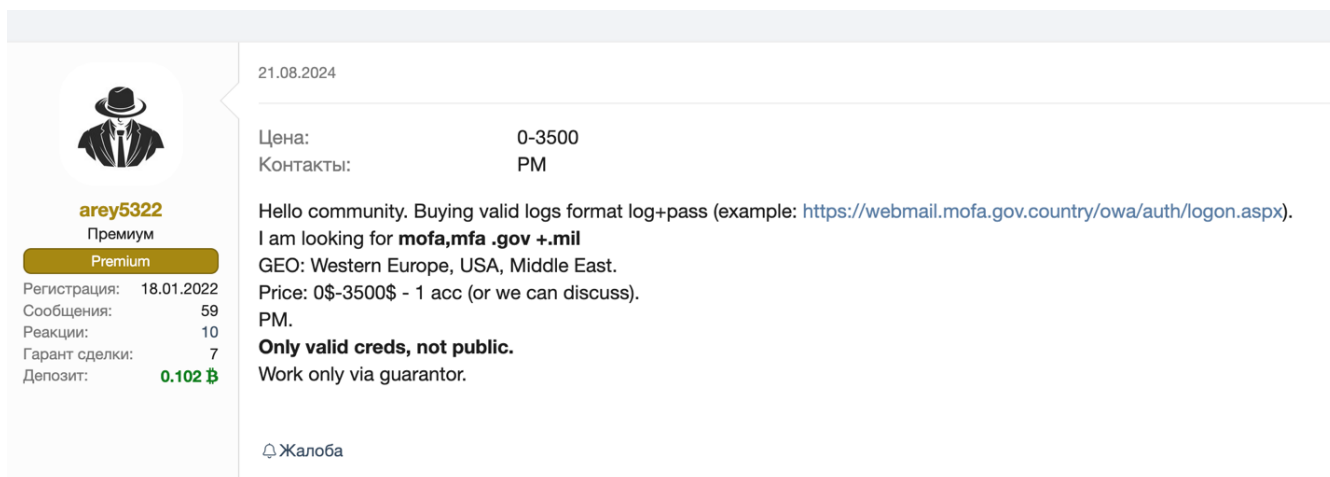
1. A huge amount of material (900 GB ++), we will upload mat of different dates weekly.
2. A fully automated project without any garbage in the telegram.
3. A well-thought-out login system and protection against crowdfunding (Login only from 1 IP from our VPN client). !
4. There is no "DOWNLOAD ALL" button and there will not be. !
5. Download speed limit to avoid downloading a large amount of material in a minimum amount of time.
6. Automatic billing.
7. All material is sorted by directories with services (paypal, amazon, banks, shops, etc.) (empty ones are removed, material only with cookies and passwords)

Last edited: 16.07.2024

Figure 62. Prices for accounts of different services and monthly access to a Cloud of Logs. Access to logs collected in Europe costs US\$800, US\$1,000 in the US, and US\$1,500 worldwide

Political buyers

There are requests to buy specific accounts, like access to military or government domains, which are rarely monetized by cybercriminals. At the same time, those accounts are within the scope of interest of actors aligned with the interests of nation states – although it is very hard to prove the true origins of the buyers who are looking for these.



21.08.2024

Цена: 0-3500
Контакты: PM

arey5322
Премиум
Premium

Регистрация: 18.01.2022
Сообщения: 59
Реакции: 10
Гарант сделки: 7
Депозит: 0.102 ₿

Hello community. Buying valid logs format log+pass (example: <https://webmail.mofa.gov.country/owa/auth/logon.aspx>).
I am looking for **mofa,mfa .gov +.mil**
GEO: Western Europe, USA, Middle East.
Price: 0\$-3500\$ - 1 acc (or we can discuss).
PM.
Only valid creds, not public.
Work only via guarantor.

Жалоба

Figure 63. A request to buy stolen accounts from .mofa, .mfa, .gov, .mil domains

Provision of underground tools

Criminal business process automation

The tools to scale business operations are a critical part of the common demands and offers on the underground. They can automate different parts of the business processes, like checking the balance of stolen financial accounts, verifying the presence of accounts linked to an email address, and many other functions.

Scripts to emulate user behavior on compromised accounts

Emulation of user behavior is needed to lower the alert rates of antifraud systems after account takeover. An example of an advertisement for such a tool for Amazon accounts is shown in Figure 64. These cost between US\$700 and US\$1,000, depending on the subscription type.

The screenshot shows a forum post from a user named 'ABTOP' dated 24.01.2023. The post is titled 'Amazon Warmup Scripts' and is marked as 'Verified'. The user's profile on the left shows they are a 'Verified seller' with a 'Confirmed' status, registered on 14.09.2022, and have 867 messages, 1,174 reactions, and a deposit of 0.5 BTC. The post content includes:

- To your attention - Amazon warm-up scripts**
- An indispensable tool for working with Amazon
- Saves a lot of your time
- Ability to warm up dozens of accounts at the same time
- Our scripts have a very wide functionality, which brings the quality of warming up closer to manual
- Scripts have active coder support, which keeps them relevant for 3 years

LUX version:

- Goes through a pre-written list of products
- Looks at pictures
- Looks at recommended products
- Looks at different variations of products by color
- Throws a product into the basket
- Likes comments / optional
- Leaves answers under comments / optional
- Creates the appearance of writing text
- Viewing products of a specific seller on Amazon / optional
- Comparison of product prices on third-party sites / fills cookies on third-party sites, watches You Tube / optional
- Creates the appearance of an error in writing text / optional
- And we also changed the timing of the transition to the page - the script works as much as possible intensive!

Platinum version:

- Goes through a pre-written list of products
- Looks at pictures
- Looks at recommended products
- Looks at different variations of products by color
- Adds a product to the cart
- Likes comments / optional
- Leaves replies under comments / optional
- Creates the appearance of writing text
- Viewing products of a specific seller on Amazon / optional
- Compares prices of products on third-party sites / fills cookies on third-party sites, watches YouTube / optional
- Creates the appearance of an error in writing text / optional
- Mouse cursor, yes! Here, each action of the script is performed and accompanied by the mouse cursor
- Otega. You can make an interval in the warm-up script [conventionally speaking - 40 minutes of rest - then another 40 minutes of warm-up]
- Selection of goods by price range, this function cuts off the script transitions to accessories [conventionally, you entered in the request for warming up the iPhone, the script by mistake switches to cases, protective glass]
- When I write "optional", I mean that you can turn on or off this function at your discretion

Price list:

- LUX: \$ 700 forever
- PLATINUM: \$ 1000 forever

Figure 64. Amazon fraud automation tools costing between US\$700 to US\$1,000

Scam assistant bots

Scam bots are automating scam processes to lower the entrance barriers to this niche of cybercrime. Various types exist, depending on the types of scams being automated. The bots are often used to automate and assist scam operations on e-commerce, hospitality platforms, or platforms where used goods are sold. The automation can include stages, like spamming, generating images, or integration with services that retrieve confirmation codes. Figure 65 shows several examples.

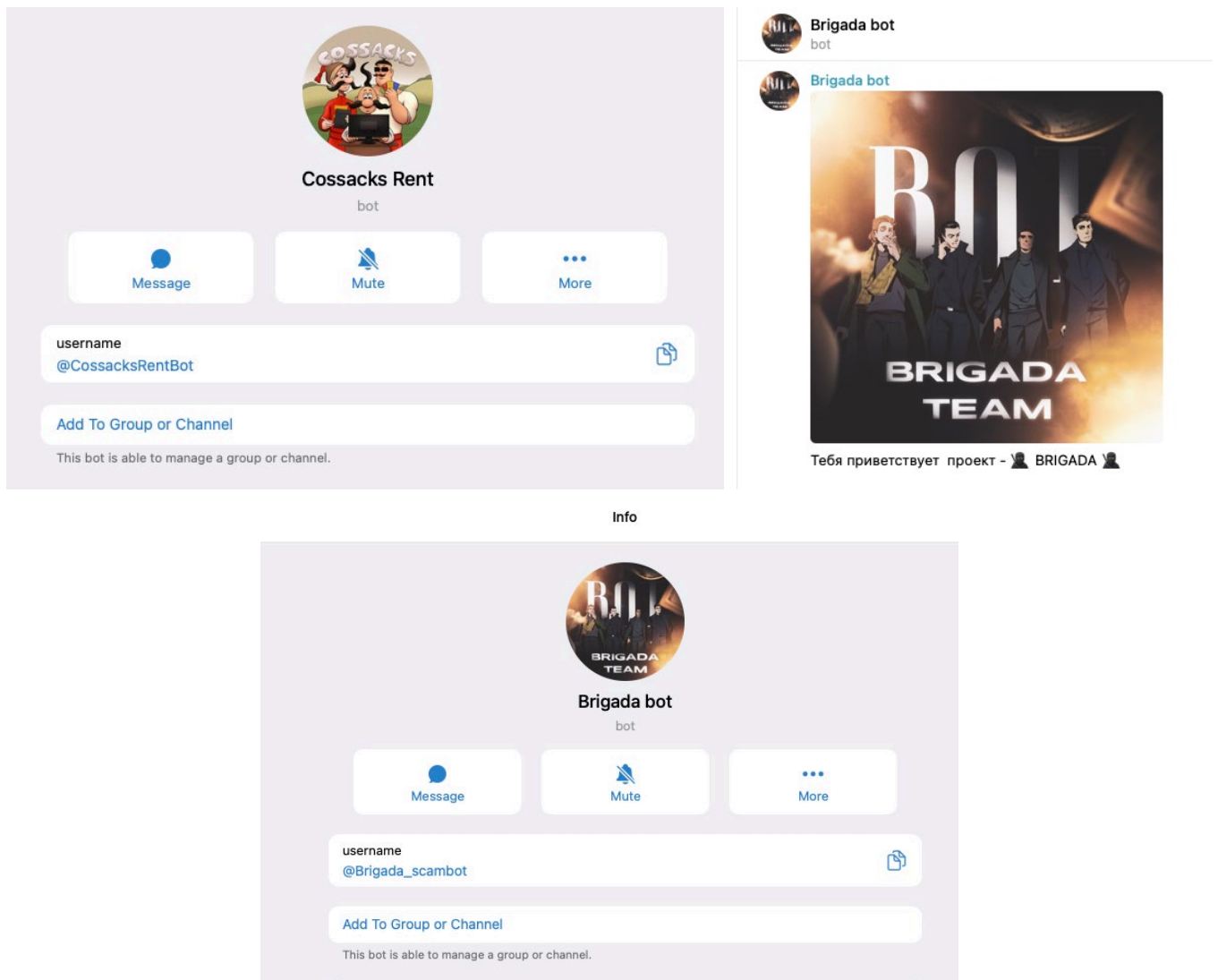


Figure 65. Brigada scam bot

Screenshots are often used on digital platforms as proof of possession of an asset. Fake screenshot generation bots are advertised as a tool to create fake screenshots, which can be used to create the impression of asset possession when conducting scam operations, e.g., owning a certain vehicle, phone, or other high-value items.

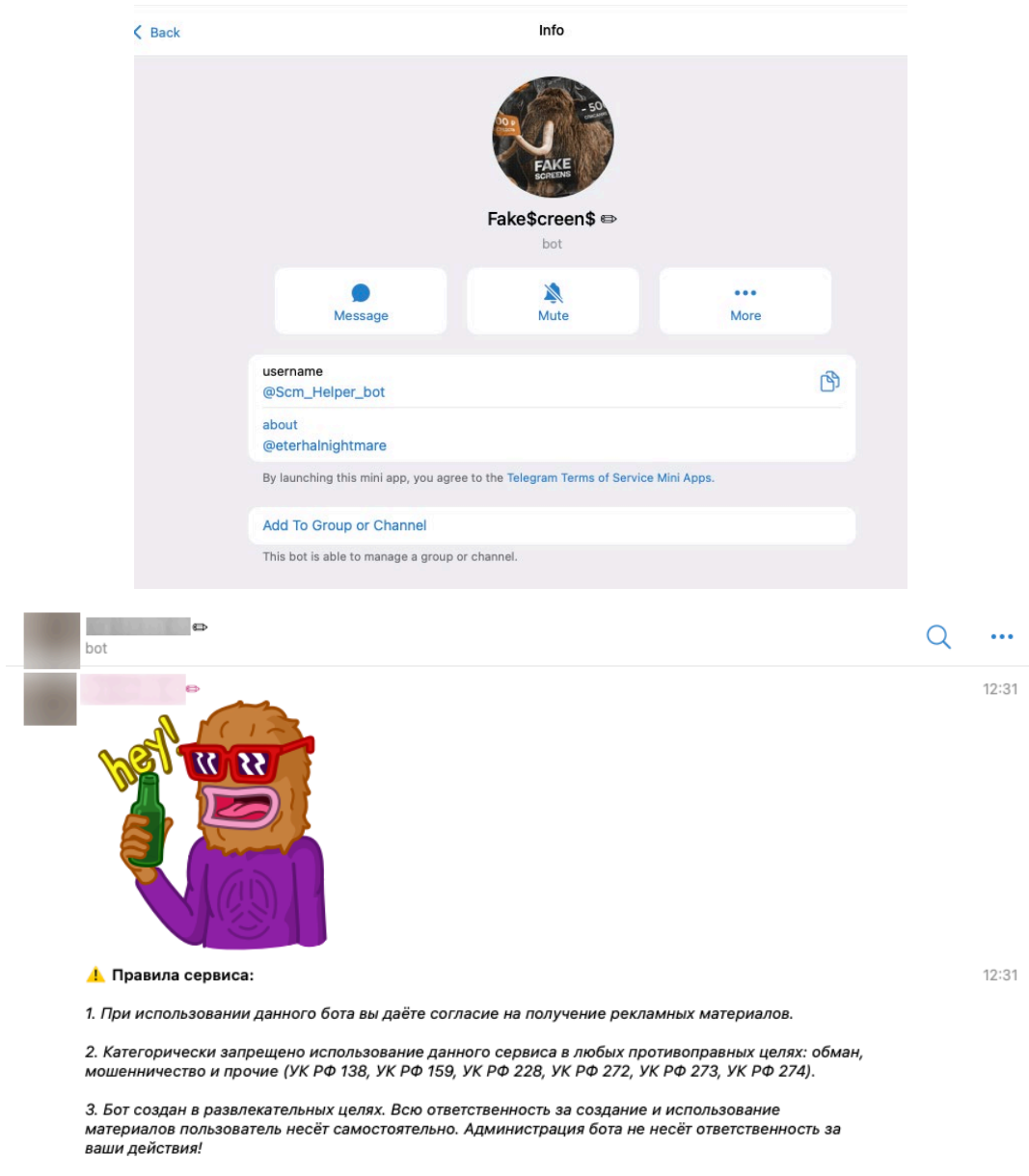


Figure 66. Fake screenshots generation bot

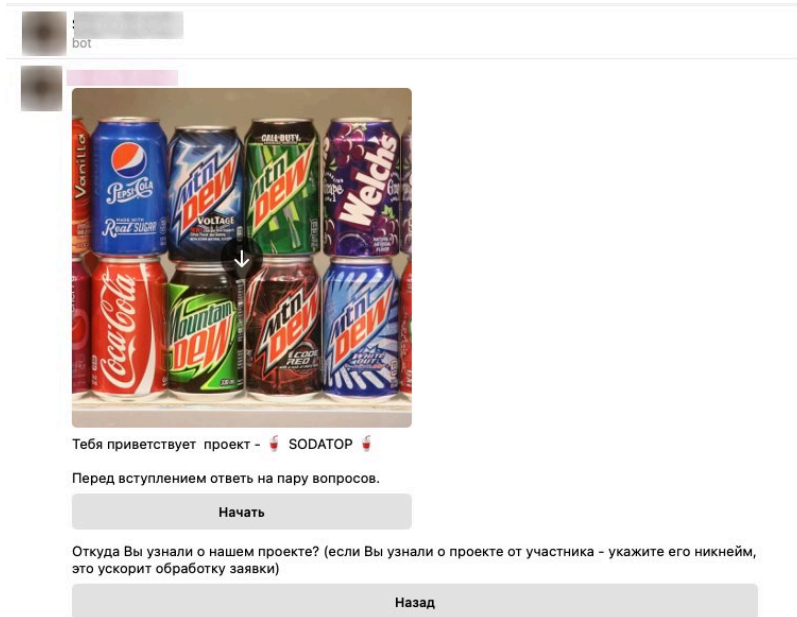


Figure 67. Neutral initial messages from the criminal bot

Zero-day and N-Day Market

Zero Day

Zero-day vulnerability-related activities on the underground are often conducted in personal messages or within smaller trusted groups, less so in open discussions. Possession of a zero-day provides attackers with unique capabilities, but only for the period in which the vulnerability has not been patched. Publication of advertisements in public threads are rare.

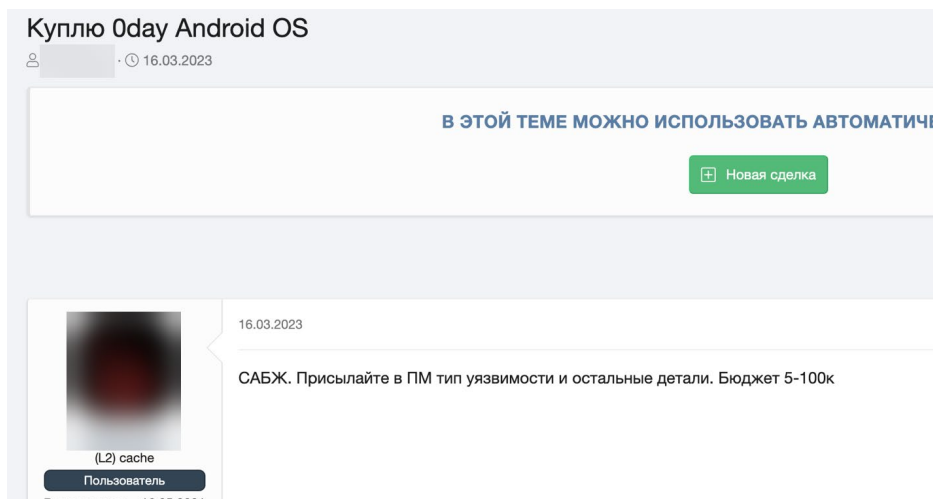


Figure 68. Request to buy a zero day for Android OS. The announced budget is in the US\$5 to US\$100,000 range.

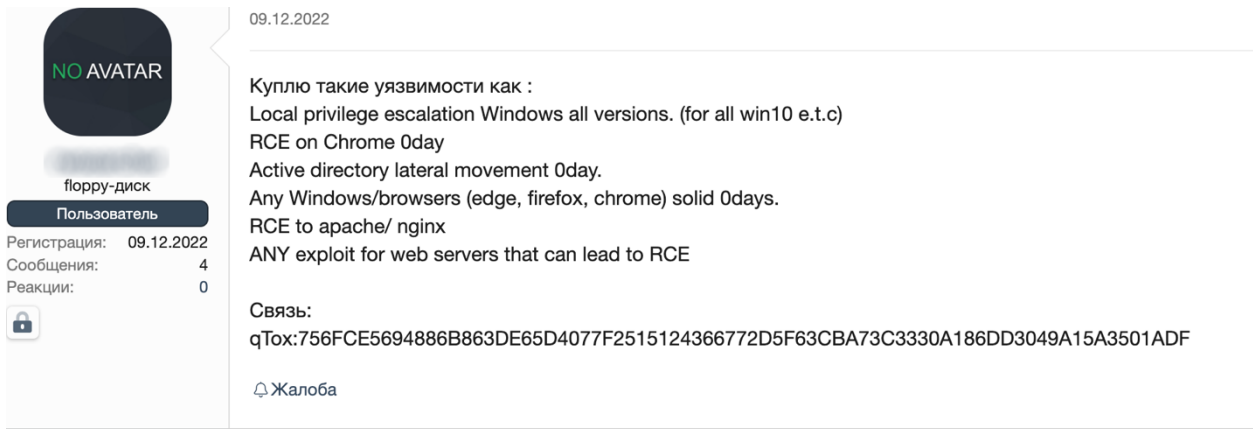


Figure 69. Request to buy a variety of zero days from two different actors. This includes requests for local privilege escalation for Windows OS, Active Directory lateral movement, Google Chrome, any Windows OS-based browsers, and remote code execution exploits for web servers.

N-Day

The N-Day vulnerability market is more open, and requests are often related to reliable private exploits for known vulnerabilities. Figure 70 shows an example of a request related to Remote Code Execution Vulnerability CVE-2024-38077 (Windows Remote Desktop Licensing Service).

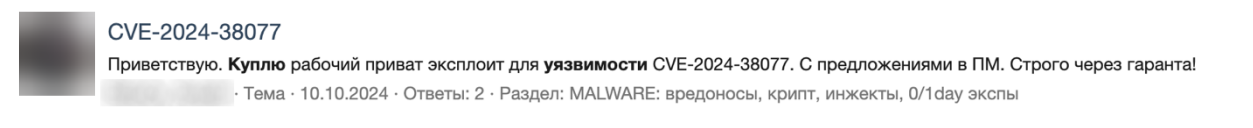


Figure 70. Request to buy a private exploit for Windows Remote Desktop Licensing Service RCE

Crimeware

Crimeware is one of the key assets required in many business processes. Crimeware is split into many categories, such as Counter AV tools, account checkers, cryptors, DDOS, infostealers, crypto wallet drainers, and many more. The following section lists examples of such tools.

Counter AV (CAV) Tools

Today's security software platforms, which are used to protect the infrastructures that attackers target, are a key part of the risk model attackers must consider when planning their attacks. As a result, verification that malware should function as expected before deployment in-the-wild is an important step to ensure the success of their operations. To serve this function, criminals offer multi-scanner services that will test malware in advance against a range of vendors so they can perform QA before launching an attack. These services are normally configured to attempt to avoid sending feedback to security engines (or avoid including solutions for which this is not possible).

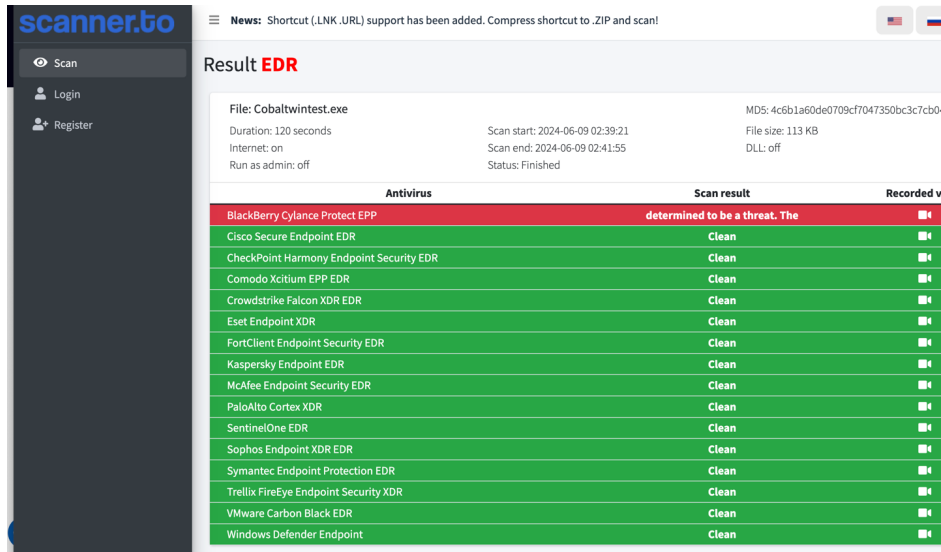


Figure 71. The results of the work of an EDR checker tool. Not all services on the market are included (including Trend Micro).

The interface and the results of the AV check service are shown in Figure 72.

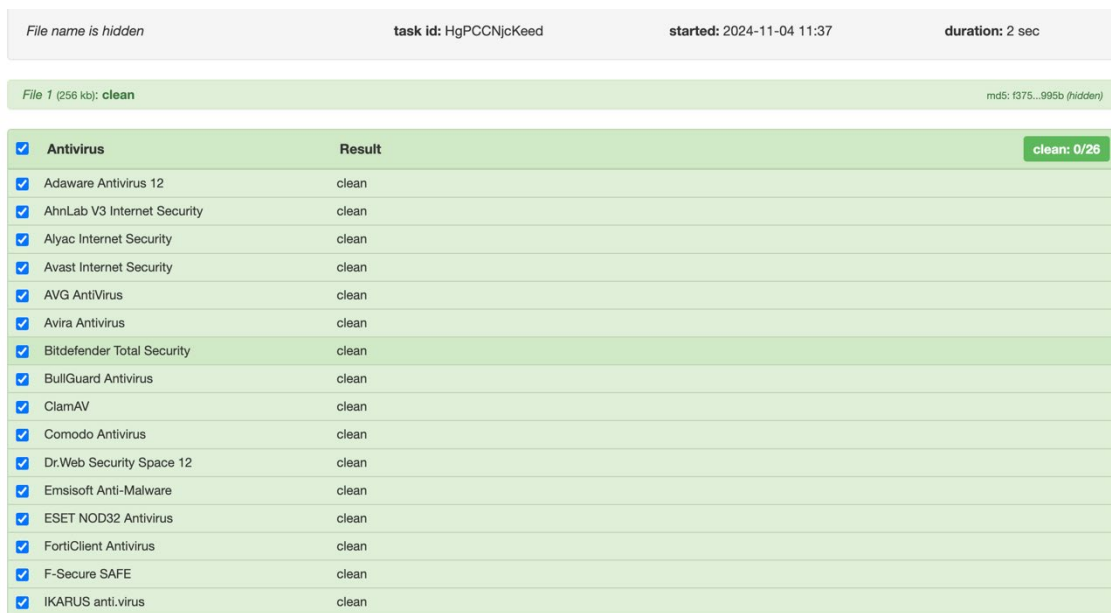


Figure 72. An example of an AV check service

Checkers

Account validation tools, also known as checkers, are used to estimate validity and the value of stolen or collected accounts at scale. Figure 73 shows an example of a log checker with a rental price of US\$15 per week or US\$40 per month.

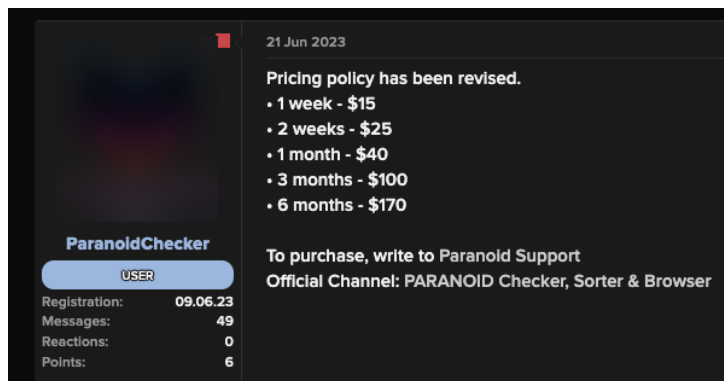
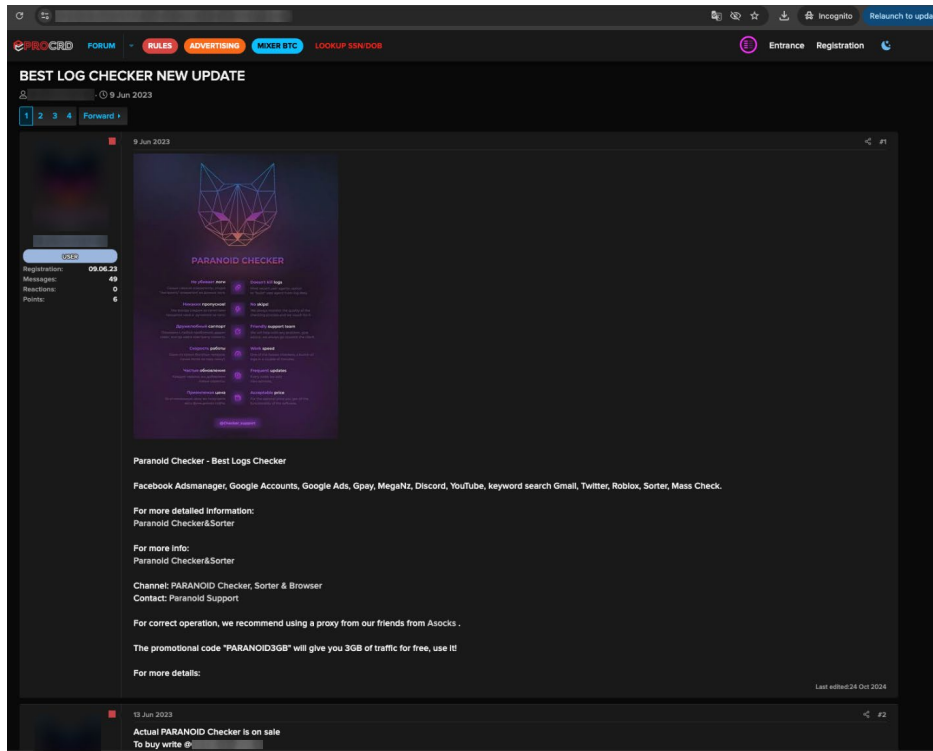


Figure 73. Account validation tool with various price points. The post claims that the tool works for many common accounts including Facebook, Google, Discord, YouTube, and more.

Cryptors

Cryptors modify existent files to minimize or bypass detections of security software. They are often used in combination with Counter AV (CAV) services described earlier.



Figure 74. Advertisement of a loader/crypter. Many such tools exist on the market with their popularity based on performance at avoiding detection

DDoS/Stressors

Distributed denial-of-service (DDoS) attack implementation normally requires access to many assets that are capable of attacking a target simultaneously. The tools to carry this out are commonly described as “booters” or “stressors” in criminal communities, and are rented for a period of time.

Verified Rent of DDoS capacities with monthly payment. We will hack a website (project).

18.01.2023

I offer you a service for renting resources for carrying out DDoS attacks. **We will also hack almost any site, forum, project. We will take away the project + project domain - drain the databases, etc.**
All prices are indicated for a month of use.

DDoS tariffs:

- Small - \$ 500 - 1 thread
- Medium - \$ 700 - 2 threads
- Hard - \$ 800 - 3 threads
- Ultra - \$ 1,100 - 4 threads
- God - \$ 1,500 - 5 threads
- Invincible - \$ 2,500 - 10 threads
- Vip medium \$ 4,000 (1 thread 1.2 million requests)
- Vip Hard \$ 5,000 (Super fast server that kills any ddg tariff, even the most expensive)

1 thread - 1 simultaneous attack. Having more threads, you can attack more sites at the same time, or you can direct several threads to 1 site, the power is multiplied.
Usually cope

The attack time is the same for all tariffs - 86400 seconds (exactly one day). Then you need to set the attack again.

Updates (V1.0)
The update added a bypass of ddos-guard guard (before that no one could put it down)
Added a bypass of OVH
Added a bypass of the cloudflare spinner
Power is increased x5 times.

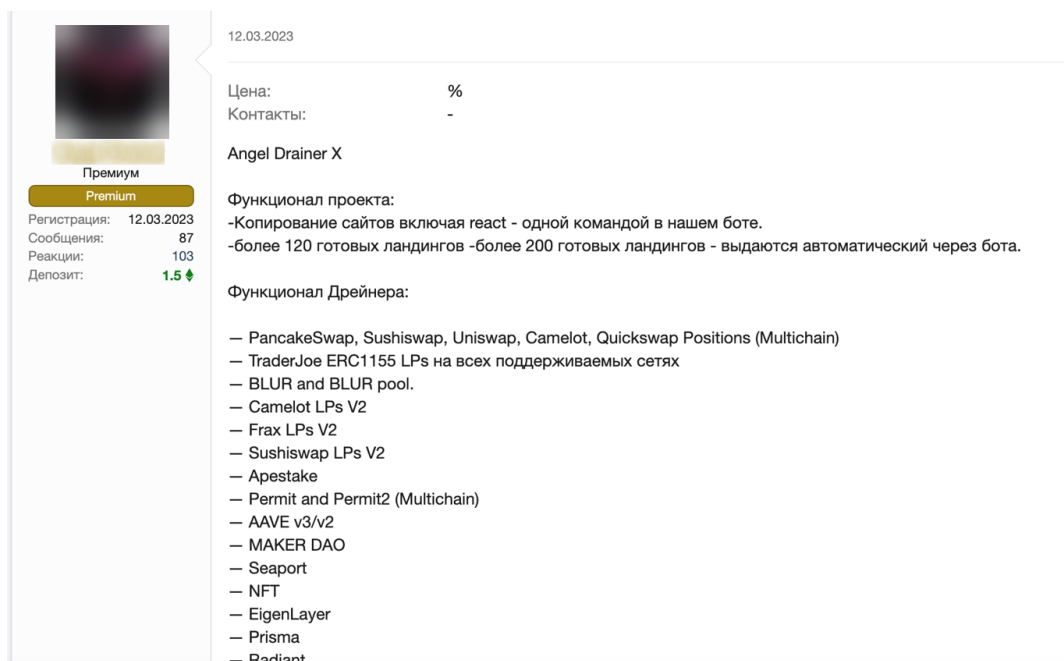
FAQ:

- How do your services differ from others that provide DDoS services?
We are the first service in the CIS that rents out its power at such low prices. Let's imagine a situation: you need to eliminate a competitor, you contact a specialist who provides such services with such a request, his time will cost, say, \$ 150 per day, but our power is much cheaper and much more effective, when buying a tariff, you independently manage your resources for a month.
- What attack methods do you use?
We use only our own methods that work on dedicated "nix servers. we have bypasses for most protections, such as: CLOUDFARE UAM (including captcha), KODDOS, ANTIDOSEU, SUCURI, TIMEWEB, STORMWALL, DDG (DDOS GUARD GWARD) OVH and many others.
- How do your attacks work?
Our methods use public http / s & socks proxies for attacks. We have a large enough pool, so the defending side will not be able to "quickly" block all attacking IP addresses. Also, our controller system updates proxies on servers every 15-30 minutes automatically.
- Suppose that I bought 1 thread for a month, does this mean that I can attack only 1 site?
Not quite true. With 1 thread, you can attack only 1 site at a time, but you can change the attacked sites whenever you want, at any time. To attack several sites, you will need to buy a more expensive tariff.
- How does technical support work?
Technical support has a flexible schedule, but we always suggest a solution and always bring it to a result. All technical support staff are very friendly and will kindly help you whenever they are online.

Figure 75. Rent of DDoS capacities with monthly payment ranging from US\$500 to US\$5,000 per month, depending on the scale required

Crypto wallet drainers

At the time of writing, crypto wallet drainers are trending on the underground. They are a very serious threat for cryptocurrency owners. These tools leverage a variety of methods with the overall goal to “drain” a crypto wallet – effectively emptying it and transferring funds to the attacker.



12.03.2023

Цена: %
Контакты: -

Angel Drainer X

Премиум
Premium

Регистрация: 12.03.2023
Сообщения: 87
Реакции: 103
Депозит: 1.5 ⚡

Функционал проекта:
-Копирование сайтов включая react - одной командой в нашем боте.
-более 120 готовых ландингов -более 200 готовых ландингов - выдаются автоматический через бота.

Функционал Дрейнера:

- PancakeSwap, Sushiswap, Uniswap, Camelot, Quickswap Positions (Multichain)
- TraderJoe ERC1155 LPs на всех поддерживаемых сетях
- BLUR and BLUR pool.
- Camelot LPs V2
- Frax LPs V2
- Sushiswap LPs V2
- Apestate
- Permit and Permit2 (Multichain)
- AAVE v3/v2
- MAKER DAO
- Seaport
- NFT
- EigenLayer
- Prisma
- Radiant

Figure 76. Angel drainer advertisement on XSS forum, listing a long set of cryptocurrency platforms it targets

Infostealers

Infostealers collect sensitive information, including credentials and payment details, and feed the data downstream to criminal processes where the it is monetized. Stealers are normally created to target particular platforms – such as Windows, Mac OS, or mobile platforms – or even specific applications that run on each of these.

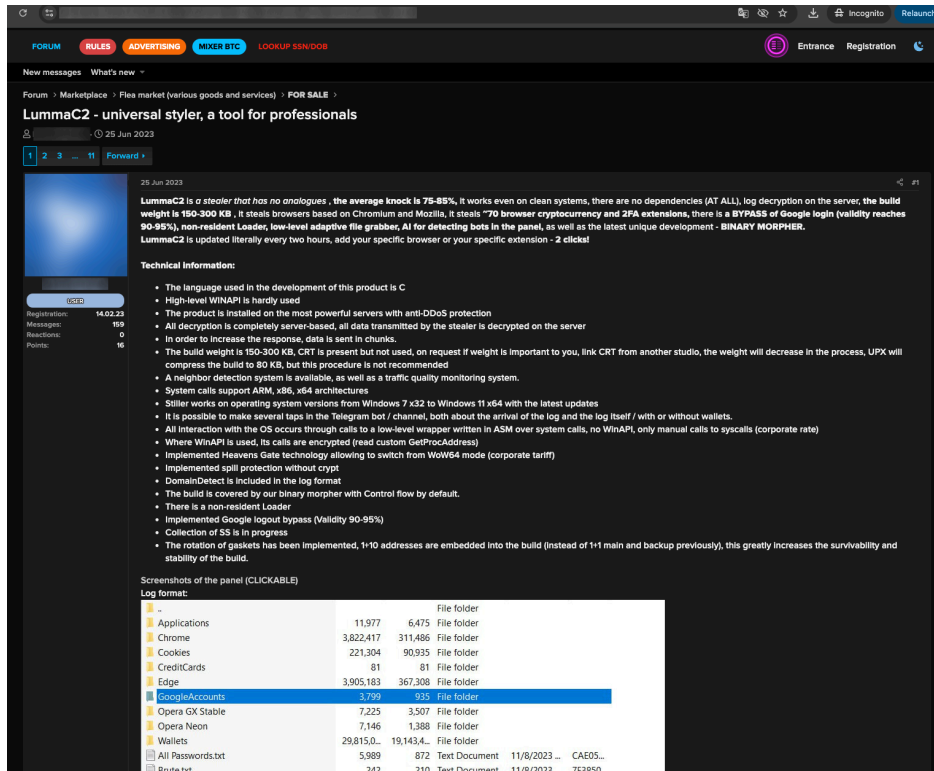


Figure 77. Lumma stealer advertisement showing the long list of technical features contained in what is one of the most popular stealers today

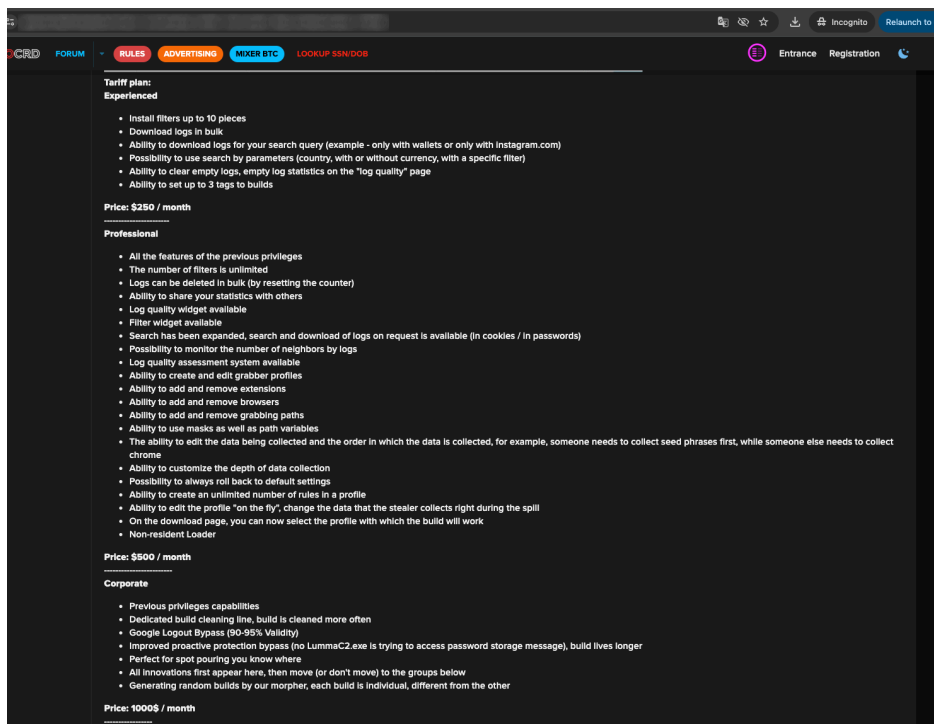


Figure 78. Lumma stealers pricing model with three pricing tiers ranging from \$250 to \$1000 per month depending on the level of features the customer requires

26.07.2024

Price: 100k\$
Contacts: pm, telegram

I made a serious decision that I have been thinking about for a long time.

I am closing the project that brings me \$30,000+/month. All this mainly rests on the issue of my safety, and now I have received news that pushed me to this decision. My decision is completely final, I am leaving once and for all, I will develop legally. I hope that I will never return.

If you want to buy a resource, here is the price:
Panel (self-written auto-payment bitcoin, admin panel, ReactJS, Golang) + stealer options + C/C++ morpher MorphMePlease for \$10k + all infrastructure already installed = \$100k

RAID array
User
Registration: 22.07.2023
Messages: 52
Reactions: 21
Deposit: 0.0002B

Figure 79. Private MacOS stealer offered for sale at a one-time price of US\$100,000, as opposed to the monthly pricing structure of the Lumma stealer

AMOS [Atomic MacOS Stealer]
795 subscribers

12 August

AMOS [Atomic MacOS Stealer]
ATOMIC MACOS STEALER (AMOS)
(Первый и самый известный стиллер на MacOS)

SYSTEM:

- Сбор заметок из Notes
- Keychain (Дамп всех сохраненных паролей пользователя)
- SystemInfo (Полная информация о системе)
- MacOS Password
- Скрыта консоль при запуске софта

BROWSERS:

- Safari (Cookies)
- Chrome/Canary (Autofills, Passwords, Cookies, Wallets, Cards)
- Firefox (Autofills, Cookies)
- Brave (Cookies, Passwords, Autofills, Wallets, Cards)
- Arc (Cookies, Passwords, Autofills, Wallets, Cards)
- Edge (Cookies, Passwords, Autofills, Wallets, Cards)
- Vivaldi (Cookies, Passwords, Autofills, Wallets, Cards)
- Yandex (Cookies, Autofills, Wallets, Cards)
- Opera (Cookies, Autofills, Wallets, Cards)
- OperaGX (Cookies, Autofills, Wallets, Cards)

WALLETS + PLUGINS:

- Electrum
- Binance
- Wasabi
- Monero
- Exodus
- Atomic
- Coinomi
- Ledger Live (так же доступна подмена оригинального приложения на фейковое с целью получить seed фразу)
- Более 100 плагинов, включая наиболее популярные

АНТИРАЗЛОГИН GOOGLE

- **Google Restore** - реализован антиразлогин Google (восстанавливаем куки)

- Обновленная веб-панель.
- Красивый dmg установщик.
- Отступ в телеграмм(лог + уведомление)

3000\$/месяц
Манибеков нет!
Контакт: @

👍 6 🔥 1 🌑 1

Figure 80. Atomic MacOS stealer priced at US\$3,000 per month

Phishing

Phishing allows cybercriminals to exploit human weaknesses through social engineering and collect sensitive information straight from victims. The phishing ecosystem requires a list of targets, tools, and supporting infrastructure. The following screenshots show pricing models for email databases, requests to leverage SEO campaigns to promote phishing, and an advertisement of phishing toolsets and automation scripts to target telegram accounts.

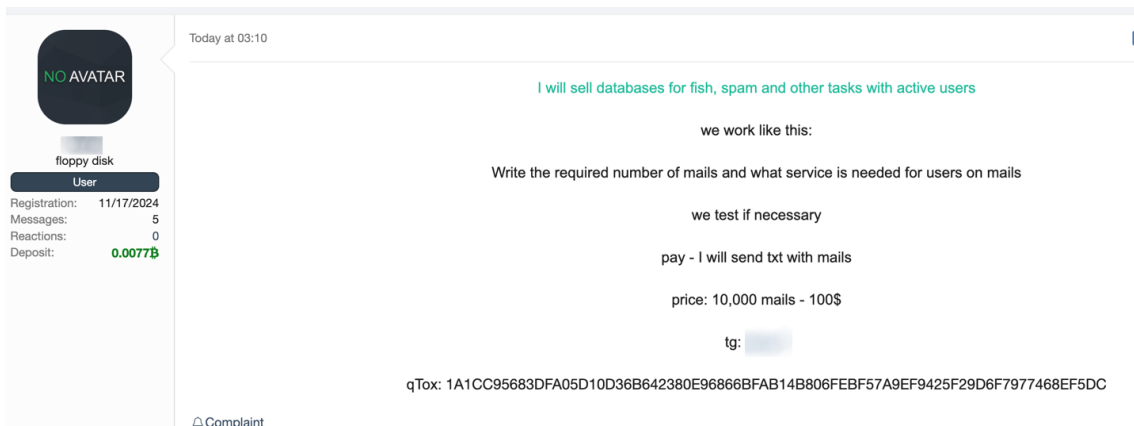


Figure 81. Databases for phishing. The price in the database works out to US\$0.01 per email account.

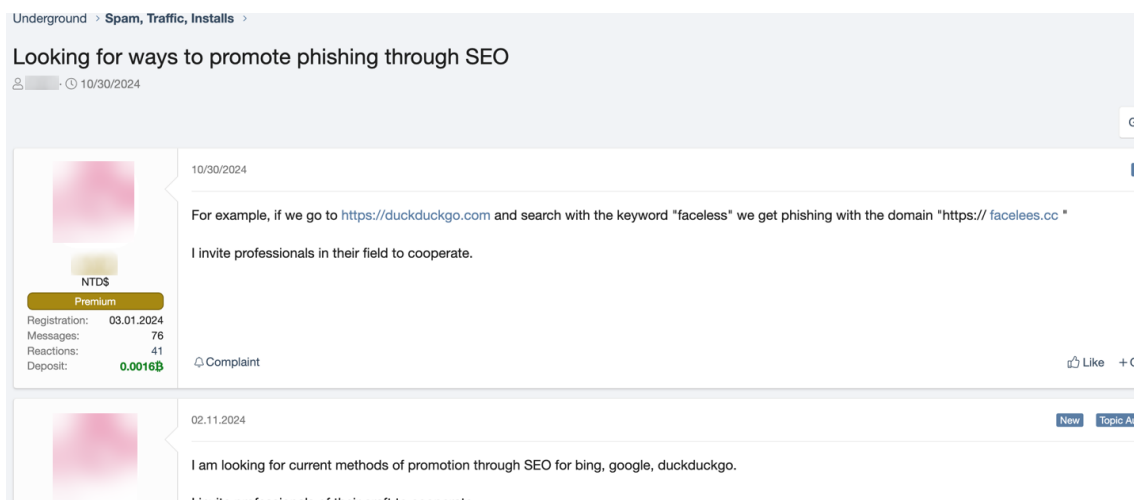


Figure 82. A request for SEO assistance in phishing campaigns

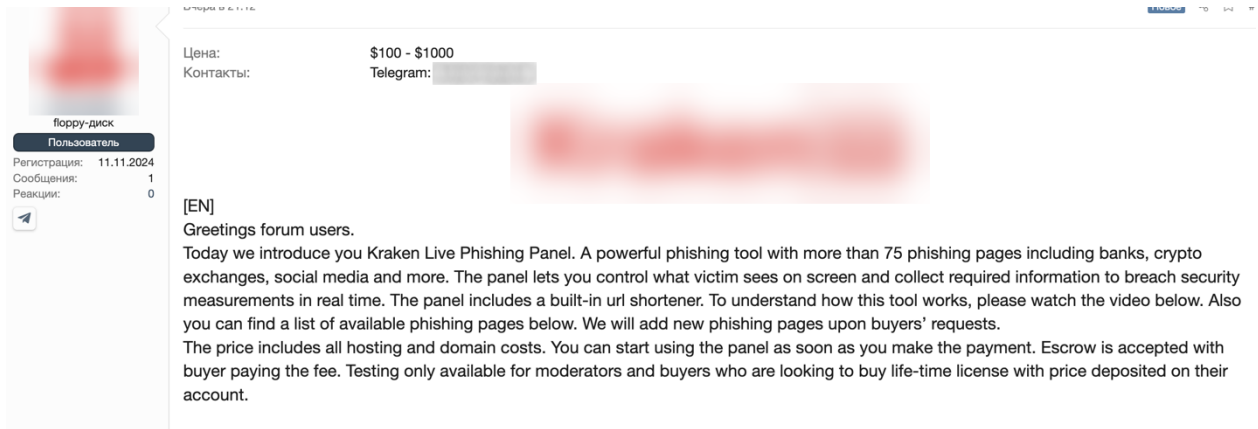


Figure 83. Advertisement of a phishing support tool supporting impersonation of 75 different brands

Deepfake, KYC, biometrics

Exploitation of unintentionally exposed biometrics¹³ is a recent trend enabled by the rising accessibility of AI and scale of use of social media platforms. The leaked biometric data, together with exposed PII, can be leveraged to create identities, and in some cases, bypass biometric based 2FA. The same underlying technologies can also be leveraged in psychological operations, public opinion manipulation campaigns and evolved extortion, and BEC criminal business processes – including deepfakes. This is currently an emerging market that is slowly maturing in the underground.

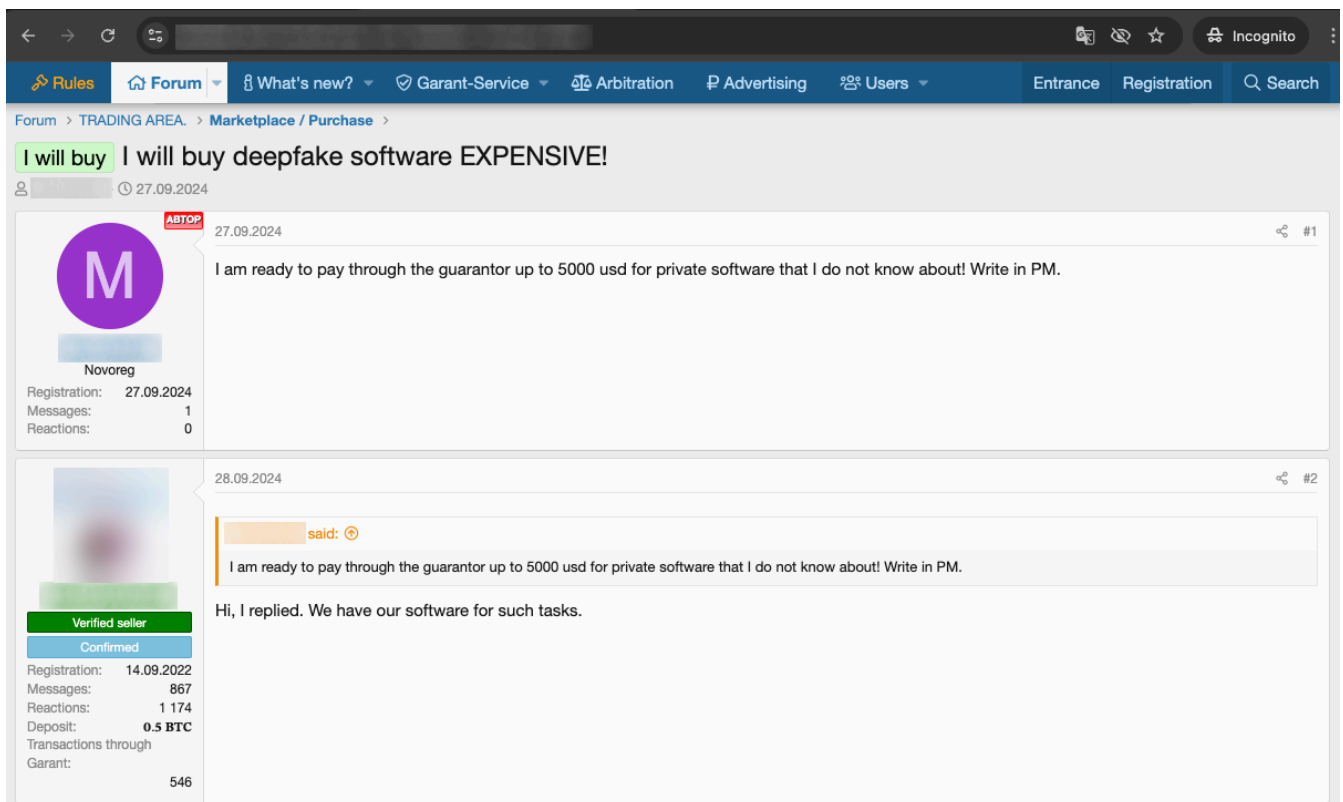


Figure 84. An offer to buy deepfake software for US\$5,000. The prompt reply (within the day) shows how active that market segment is.

RATS

Remote access tools (RATs) are in high demand on the underground, with prices normally ranging in the thousands of dollars.

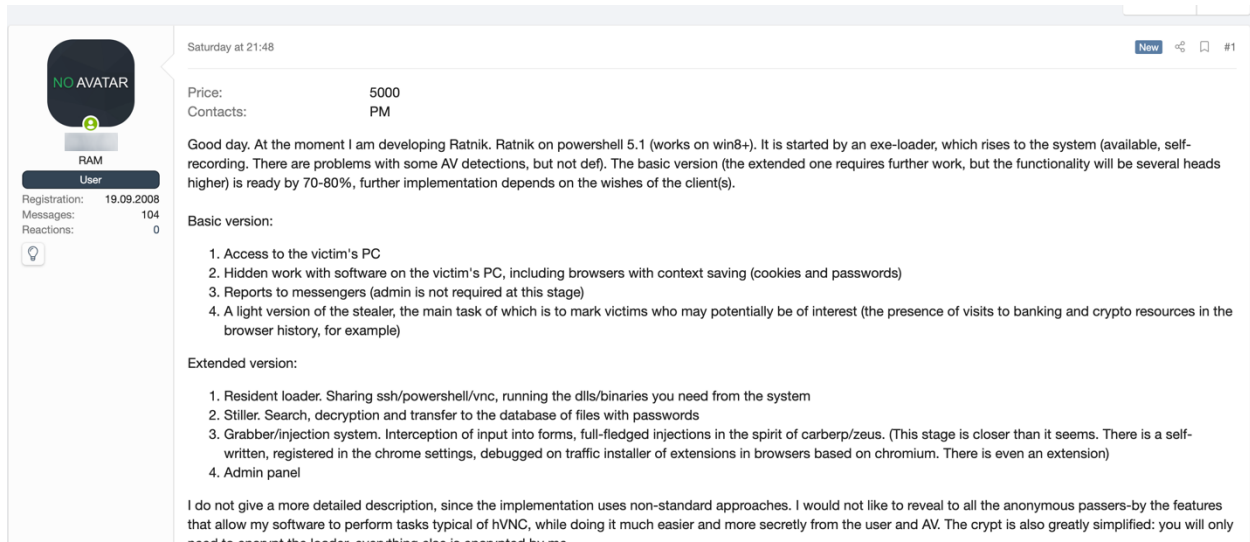


Figure 85. Advertisement of the PowerShell-based RAT for US\$5,000

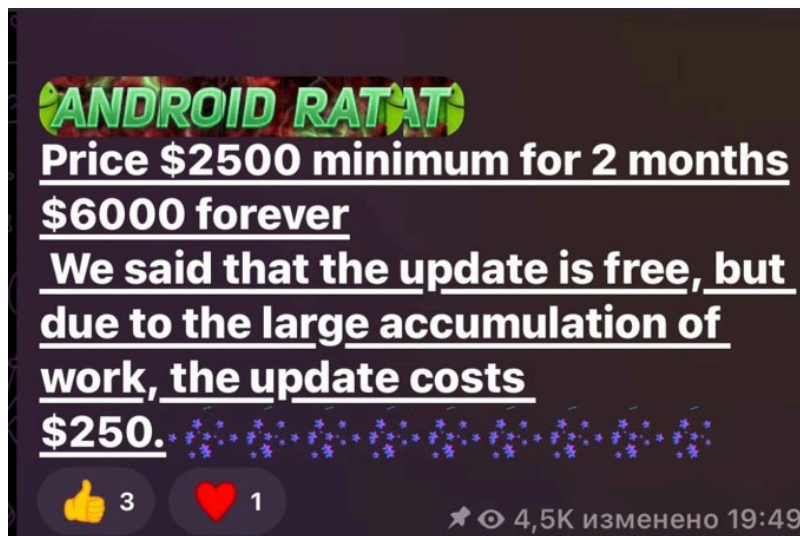


Figure 86. An Android RAT that costs US\$2,500 for two months, or US\$6,000 for unlimited usage

IT-enabled crime

Besides its primary role in supporting cybercrime, the criminal underground also provides support for the demand and sale of adjacent criminal activity (known as cyber-enabled crime). This area can often be thought of as traditional crime, fraud, or scam business models – but not amplified by having an online component. While not truly cybercrime, it is significant enough to briefly cover so we can understand this adjacent area of criminality. Some of these services directly benefit cyber-dependent crime (e.g., document forgery, reshipping services for cashout). Others, such as weapons and drug distribution, clearly do not. However, these offerings do occur in the same communities that push cybercrime, showing a clear crossover of interests and a blurring of physical and digital crime worlds that we believe merits inclusion for completeness in this publication.

Weapons and drugs

Weapons and drugs are sold on some underground forums, but this is dependent on the community – not every forum has related sections or permits for weapon and drugs related advertisements. A lot of advertisements related to drugs use specific slang, like “spices” and “salt,” and have their own regionally linked ecosystem and distribution networks. For weapons the advertisement often has the type and specification of the weapon, price, and possible pick up or delivery options. For example, a Makarov pistol, also known by the slang term “PM,” is sold for RUB 300,000, which is about US\$3,000. Part of the guns are modified versions of non-lethal pistols, adopted to be used as a normal weapon.

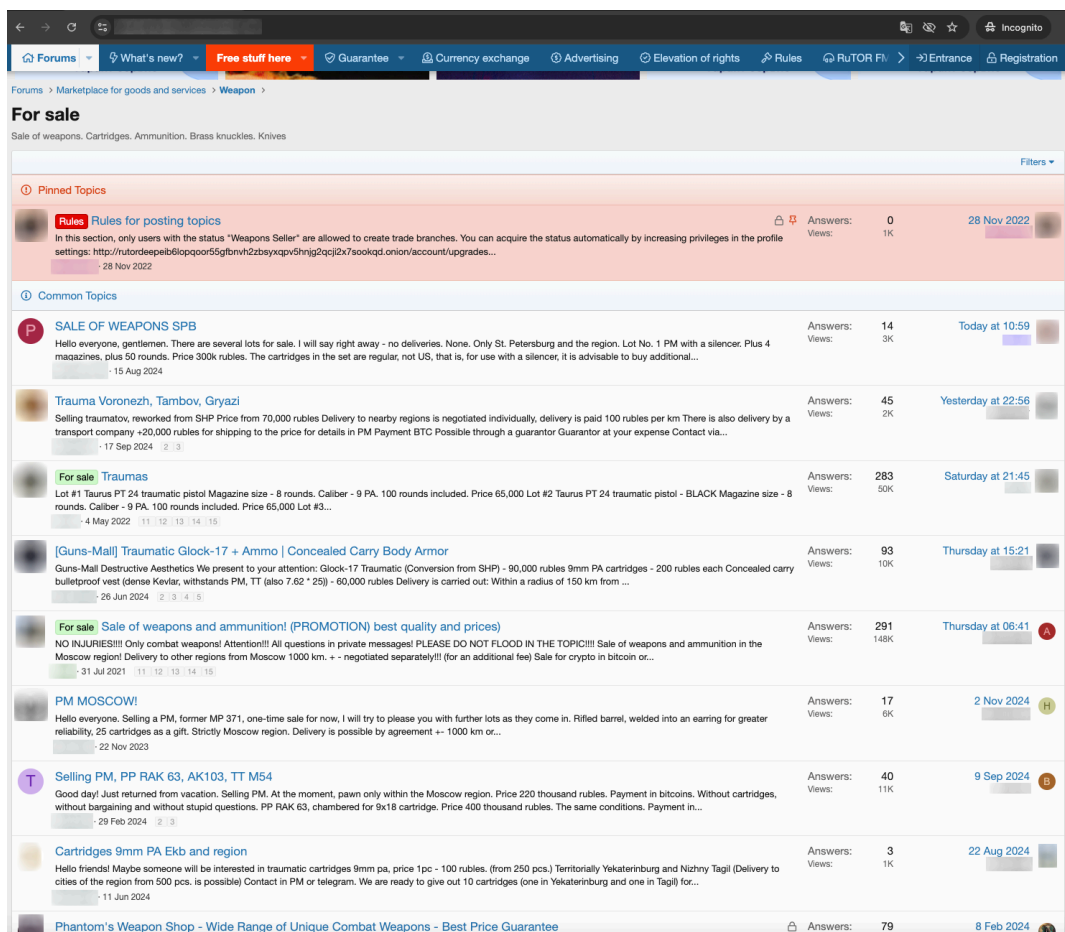
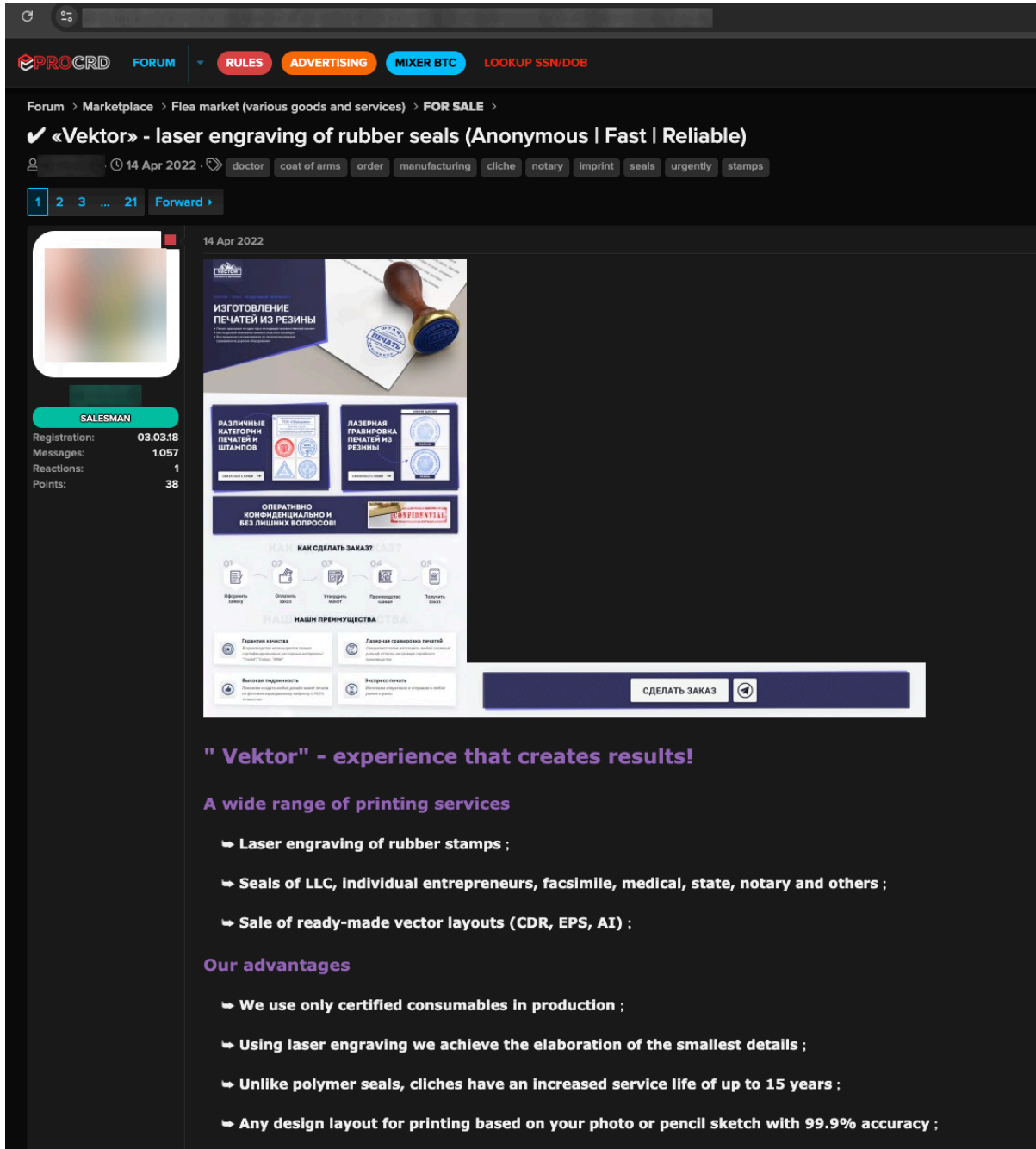


Figure 87. Posts on selling weapons in an underground forum

Creation of organizational seals

The possession of an official seal for an organization opens a huge attack surface related to the impersonation of the organization. Fake sealed documents are often used as part of fraud or money laundering criminal business processes.



The screenshot shows a forum post on ProCrd. The post title is "«Vektor» - laser engraving of rubber seals (Anonymous | Fast | Reliable)". The post is dated 14 Apr 2022 and has 21 replies. The main content is an advertisement for "Vektor" services, featuring a blue and white graphic with the text "ИЗГОТОВЛЕНИЕ ПЕЧАТЕЙ ИЗ РЕЗИНЫ" (Rubber Seal Production). The ad includes a list of services: "РАЗЛИЧНЫЕ КАТЕГОРИИ ПЕЧАТЕЙ И ШТАМПОВ" (Various categories of seals and stamps) and "ЛАЗЕРНАЯ ГРАВИРОВКА ПЕЧАТЕЙ ИЗ РЕЗИНЫ" (Laser engraving of rubber seals). It also features a "КАК СДЕЛАТЬ ЗАКАЗ" (How to place an order) section with five steps: 01. Определить форму (Determine the shape), 02. Определить размер (Determine the size), 03. Подготовить макет (Prepare the layout), 04. Подготовить печать (Prepare the seal), and 05. Получить заказ (Receive the order). The ad lists "НАШИ ПРЕИМУЩЕСТВА" (Our advantages) and includes a "СДЕЛАТЬ ЗАКАЗ" (Place order) button.

"Vektor" - experience that creates results!

A wide range of printing services

- ➔ Laser engraving of rubber stamps ;
- ➔ Seals of LLC, individual entrepreneurs, facsimile, medical, state, notary and others ;
- ➔ Sale of ready-made vector layouts (CDR, EPS, AI) ;

Our advantages

- ➔ We use only certified consumables in production ;
- ➔ Using laser engraving we achieve the elaboration of the smallest details ;
- ➔ Unlike polymer seals, cliches have an increased service life of up to 15 years ;
- ➔ Any design layout for printing based on your photo or pencil sketch with 99.9% accuracy ;

Figure 88. A service that creates seals of organizations, advertised on ProCrd forum

Fake document services

Fake documents, IDs, and their digital versions are widely used to verify accounts for financial and government institutions and e-commerce platforms. As such, there is a big market for their creation on the underground. The prices for such services normally range between US\$5 to US\$25.

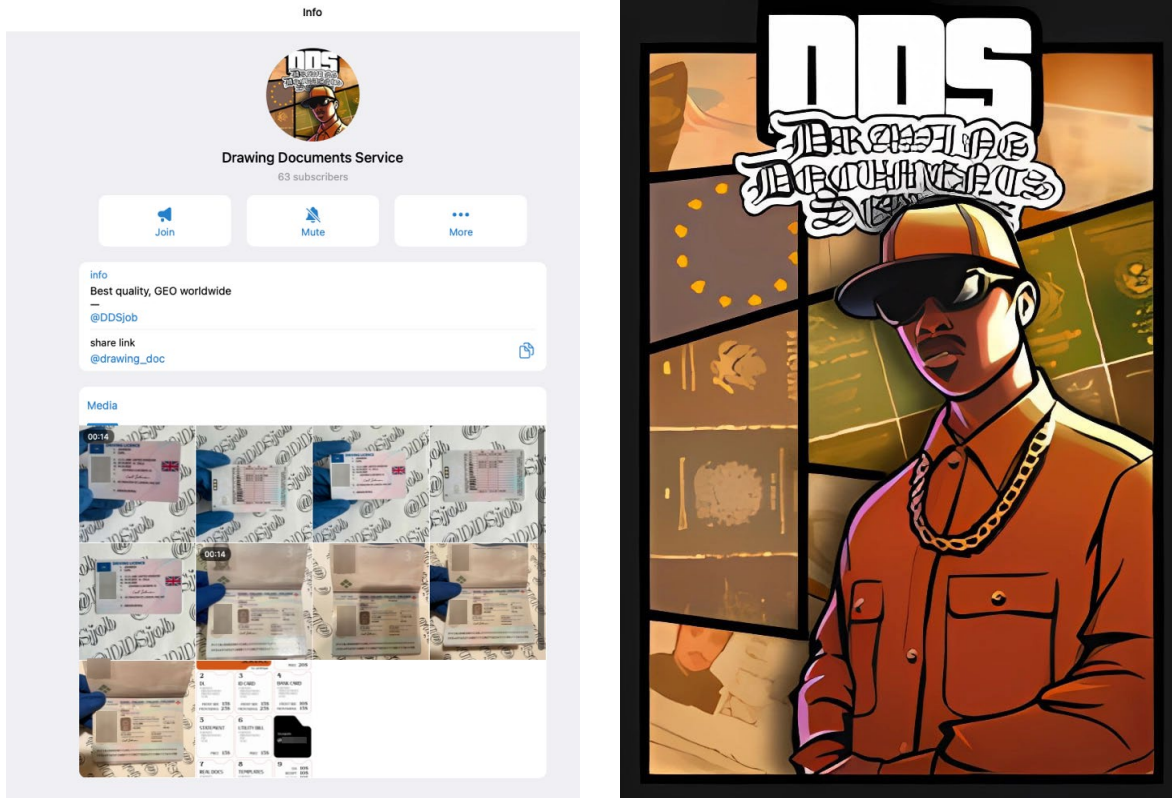


Figure 89. A Telegram channel providing fake electronic images of the documents

*** DRAWING DOCUMENTS SERVICE**

TG: @DDSjob

<p>1</p> <p>PASSPORT</p> <p>FORMATS: - PRINTED PHOTO - PRINTED VIDEO - SCAN</p> <p style="text-align: right;">PRICE 20\$</p>		
<p>2</p> <p>DL</p> <p>FORMATS: - PRINTED PHOTO - PRINTED VIDEO - SCAN</p> <p style="text-align: right;">FRONT SIDE 15\$ FRONT&BACK 25\$</p>	<p>3</p> <p>ID CARD</p> <p>FORMATS: - PRINTED PHOTO - PRINTED VIDEO - SCAN</p> <p style="text-align: right;">FRONT SIDE 15\$ FRONT&BACK 25\$</p>	<p>4</p> <p>BANK CARD</p> <p>FORMATS: - PRINTED PHOTO - PRINTED VIDEO - SCAN</p> <p style="text-align: right;">FRONT SIDE 10\$ FRONT&BACK 15\$</p>
<p>5</p> <p>STATEMENT</p> <p>FORMATS: - PRINTED PHOTO - PDF - SCAN</p> <p style="text-align: right;">PRICE 15\$</p>	<p>6</p> <p>UTILITY BILL</p> <p>FORMATS: - PRINTED PHOTO - PDF - SCAN</p> <p style="text-align: right;">PRICE 15\$</p>	<p>TELEGRAM:</p> <p>@ [REDACTED]</p>
<p>7</p> <p>REAL DOCS</p> <p>FORMATS: - PHOTO FRONT&BACK - SCAN - PHOTO DOC + SELFIE - DOC + SELFIE WITH DOC</p> <p style="text-align: right;">PRICE FROM 5\$</p>	<p>8</p> <p>TEMPLATES</p> <p>FORMATS: - FOR PHOTOSHOP .PSD - FOR ILLUSTRATOR .AI - VECTOR - WITH ALL FONTS</p> <p style="text-align: right;">PRICE FROM 30\$</p>	<p>9</p> <p style="text-align: right;">SSN 10\$ RECEIPT 10\$ INVOICE 10\$ PAYSTUB 10\$ AIR TICKET 10\$ STAMP 10\$ CERTIFICATE 10\$</p>

COUNTRIES: USA, EUROPE, CIS, SOUTH AMERICA, NORTH AMERICA, ASIA, AUSTRALIA
PAY WITH USDT, BTC, XMR OR ANY CRYPTO
MAXIMUM SAFETY AND PRIVACY

Figure 90. A price list for different types of documents



Figure 91. An example of a generated driving license featured as part of an advertisement

Human trafficking and contraband

Some forums have dedicated sections related to either human border crossing or moving assets, which often include prohibited or counterfeit goods, over a border. The following screenshot shows an example of the forum section related to this activity.

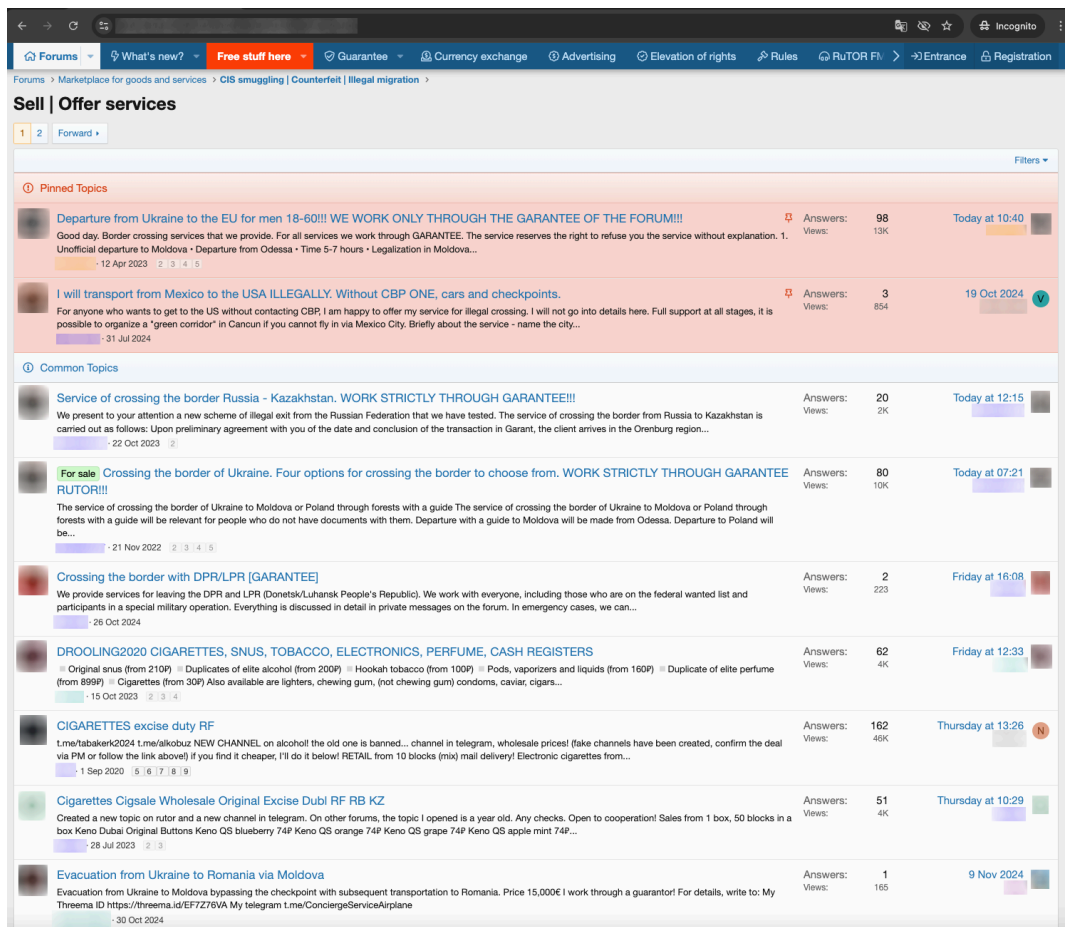


Figure 92. An example of the border crossing and contraband services on the forum, showing human border crossing services in Ukraine and cigarette smuggling

Travel and leisure

Just like ordinary people, underground actors also travel and have their own ecosystem to fulfil their travel needs.¹⁴ All travel necessities, such as flights, hotels, car rentals, excursions, access to airport lounges, and even flowers and cinema tickets, are provided on the underground at a cheaper price. The price is often listed as a percentage of the normal price, but it can be listed directly for popular destinations. We discussed this ecosystem in much more detail in a previous research linked in this section.

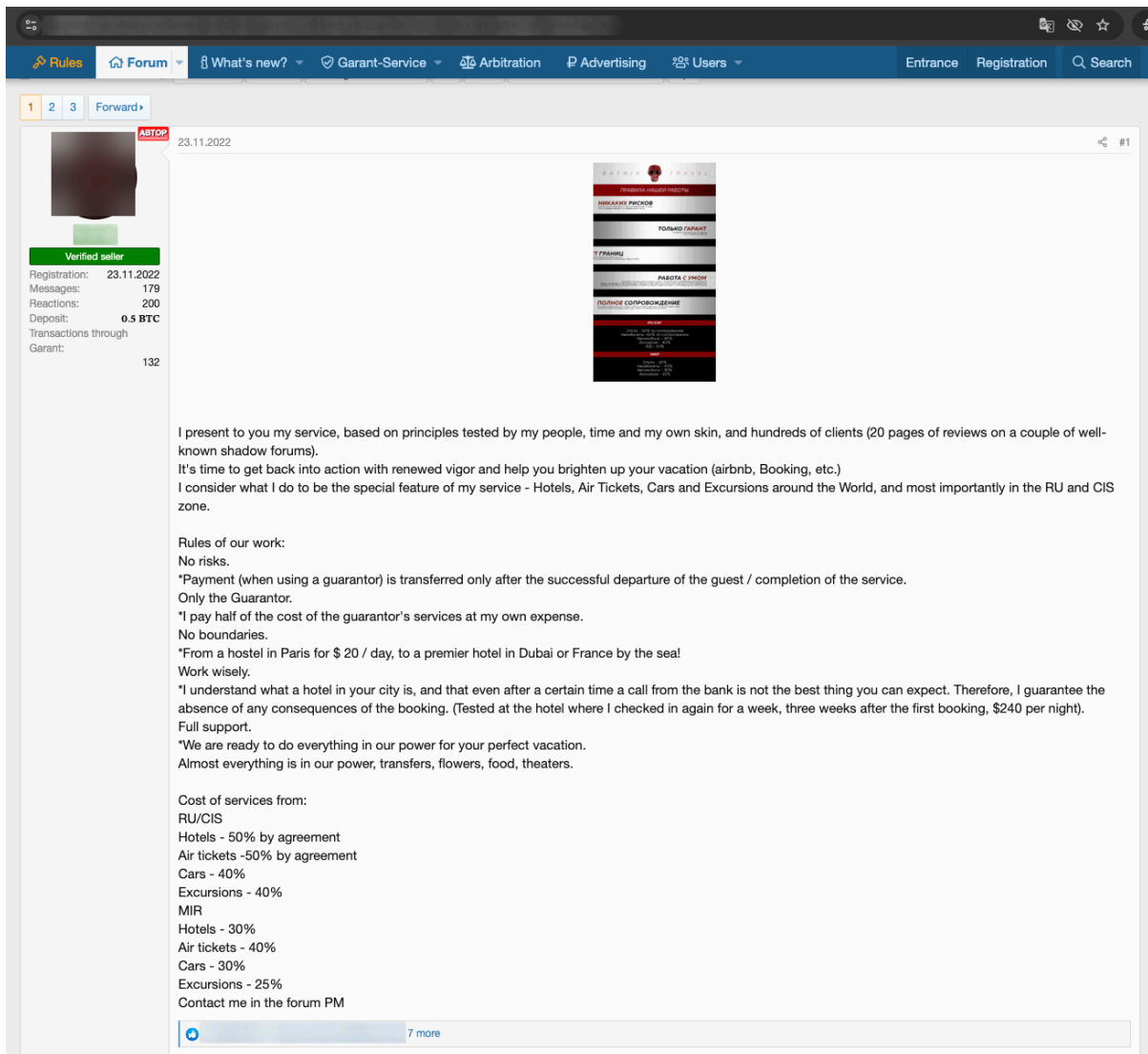


Figure 93. Price ratios for different leisure services using a percentage discount model

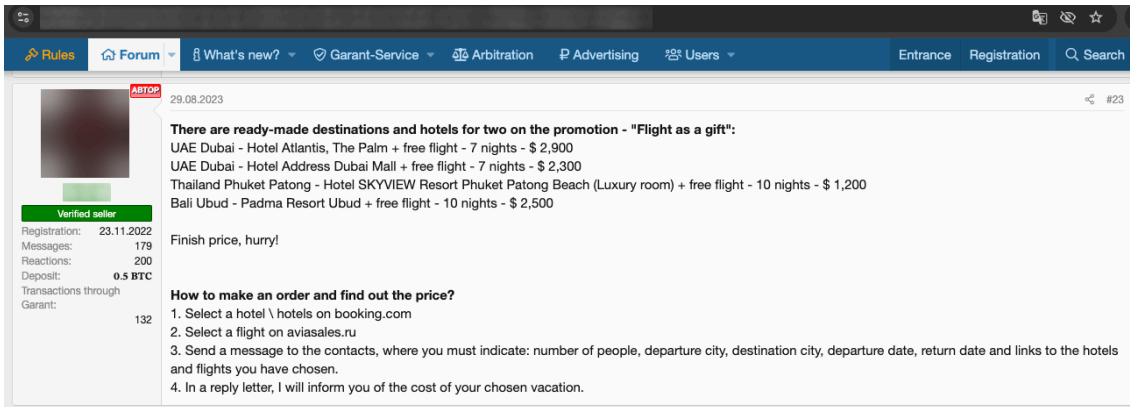


Figure 94. Example of tour prices for several destinations

Gift cards

Gift cards can be considered currency that can be easily changed into assets. The market for gift cards existed before cryptocurrencies became popular, and such services are still in high demand. The cards are sold with a significant discount compared to original prices, as they are often stolen or used to launder funds (e.g., bought via stolen credit cards).

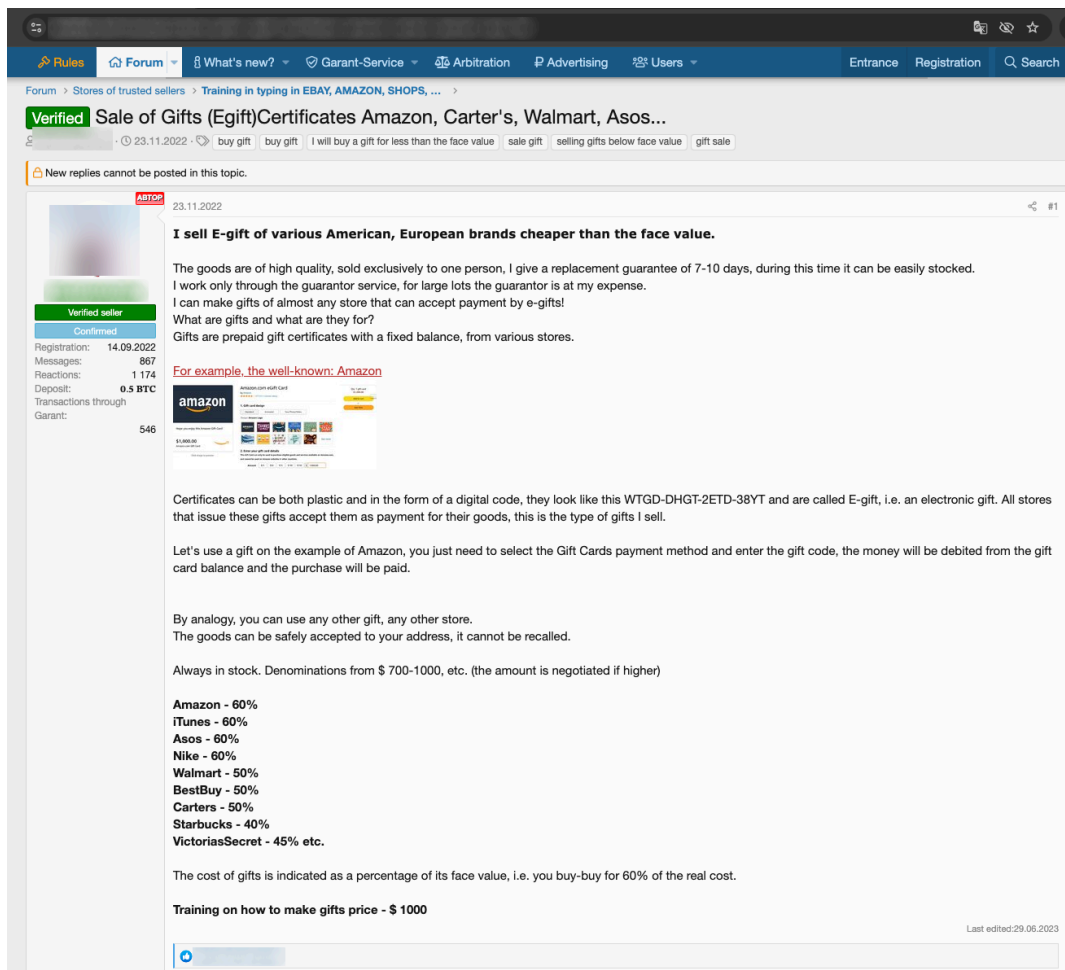


Figure 95. Example of prices for European and American gift cards on underground forums

Criminal business processes of goods and shipping fraud

Stuffer services are boosted on the underground after many western companies, including major payment providers, left Russia. Stuffer services use stolen credit cards or accounts on e-commerce platforms with linked payment methods. They purchase products from merchants and ship them to addresses from which the “service” can reshipe them to the final destination. Underground offers for purchase and delivery of products from western and Asian e-commerce platforms, including offers with a significant discount, are widely present on the underground. The following advertisement posted on the Dublikat forum shows goods from Amazon, eBay, or AliExpress being offered for 40% of the original price. The minimum order is US\$1,000, delivery time is up to 15 days.

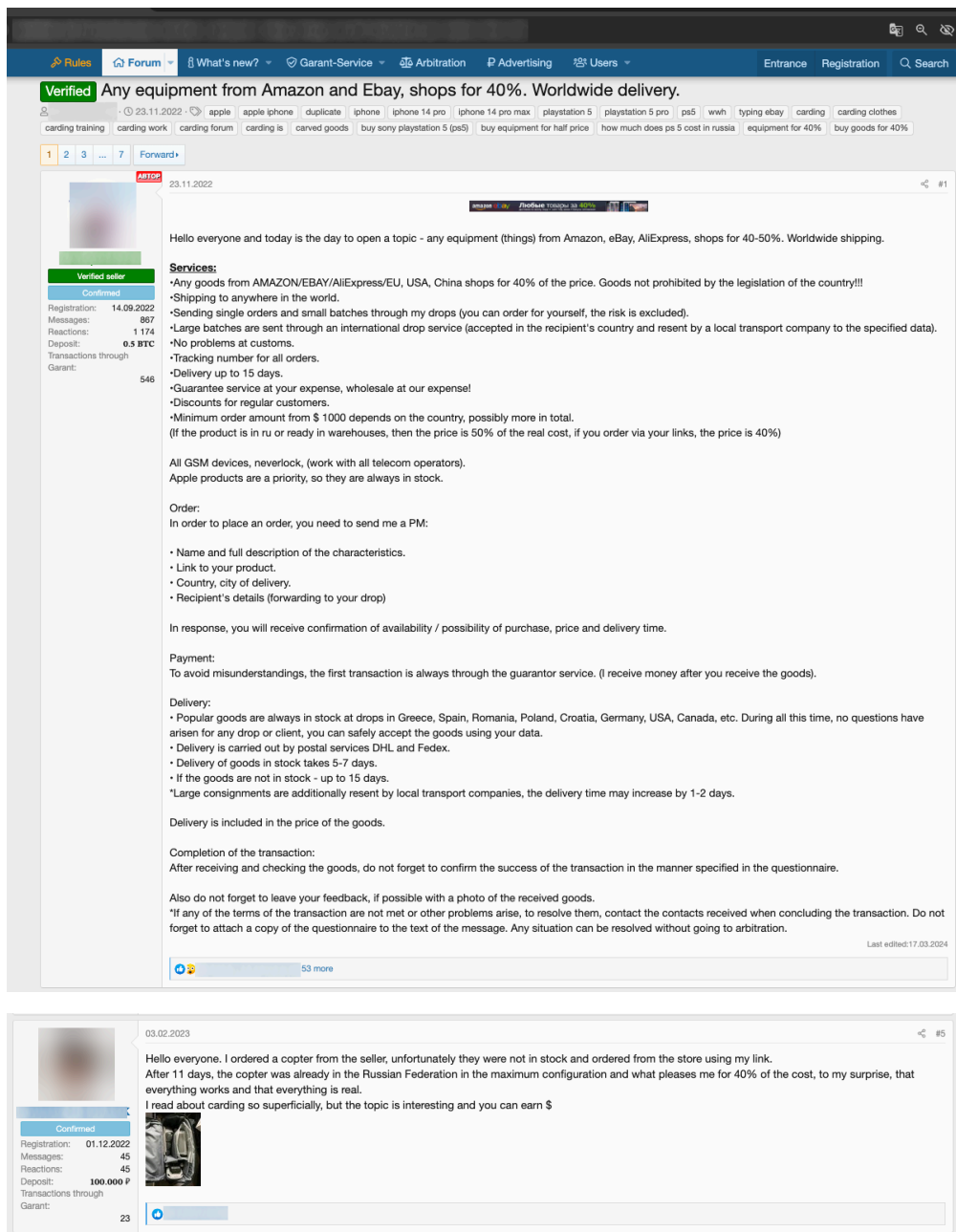


Figure 96. Shipping from major western shops with example of successful delivery and customer reviews

Car hacking related services

Car hacking related services are accelerating on the underground due to the digitalization of cars and expanding attack surface against connected car infrastructure.

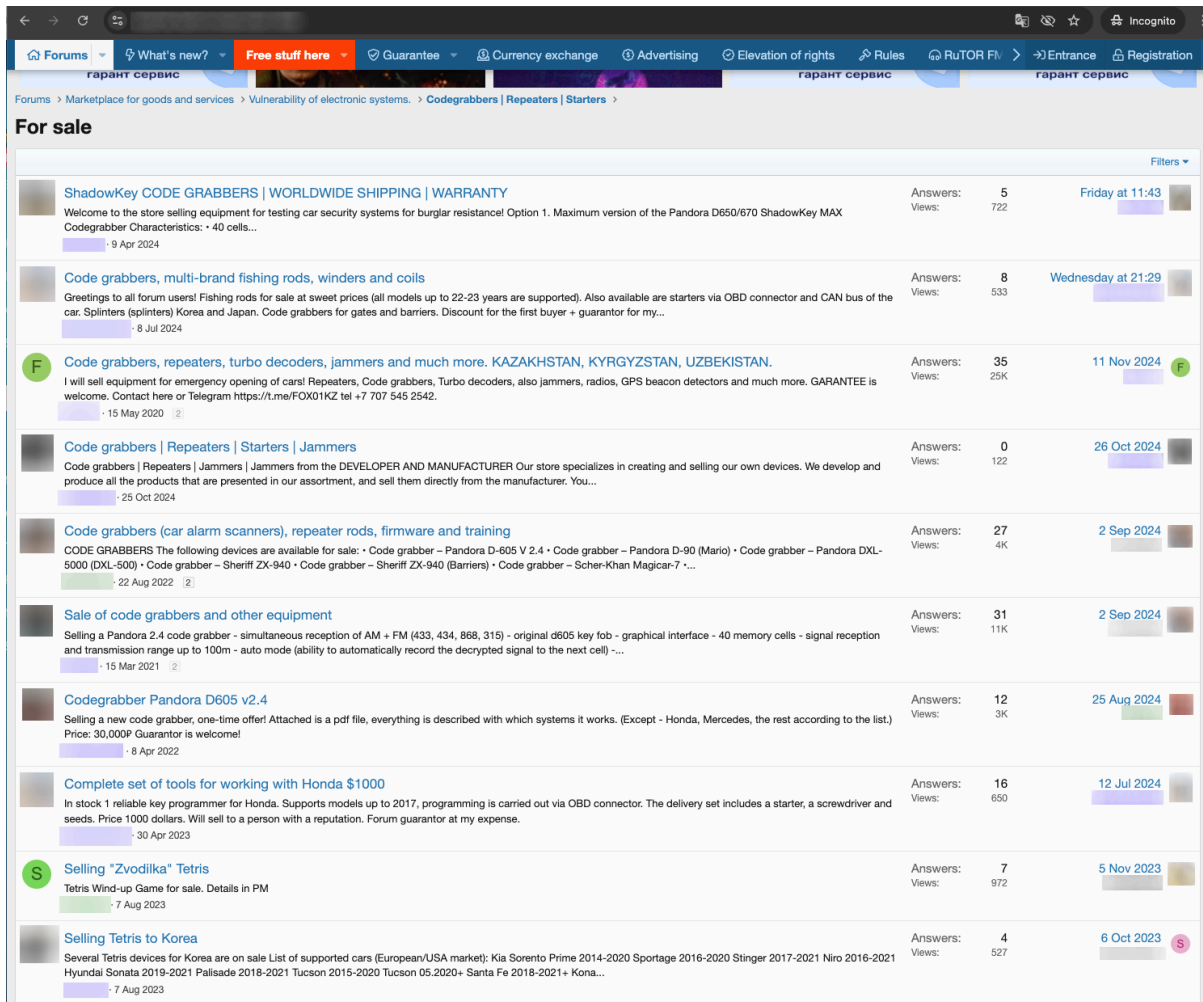


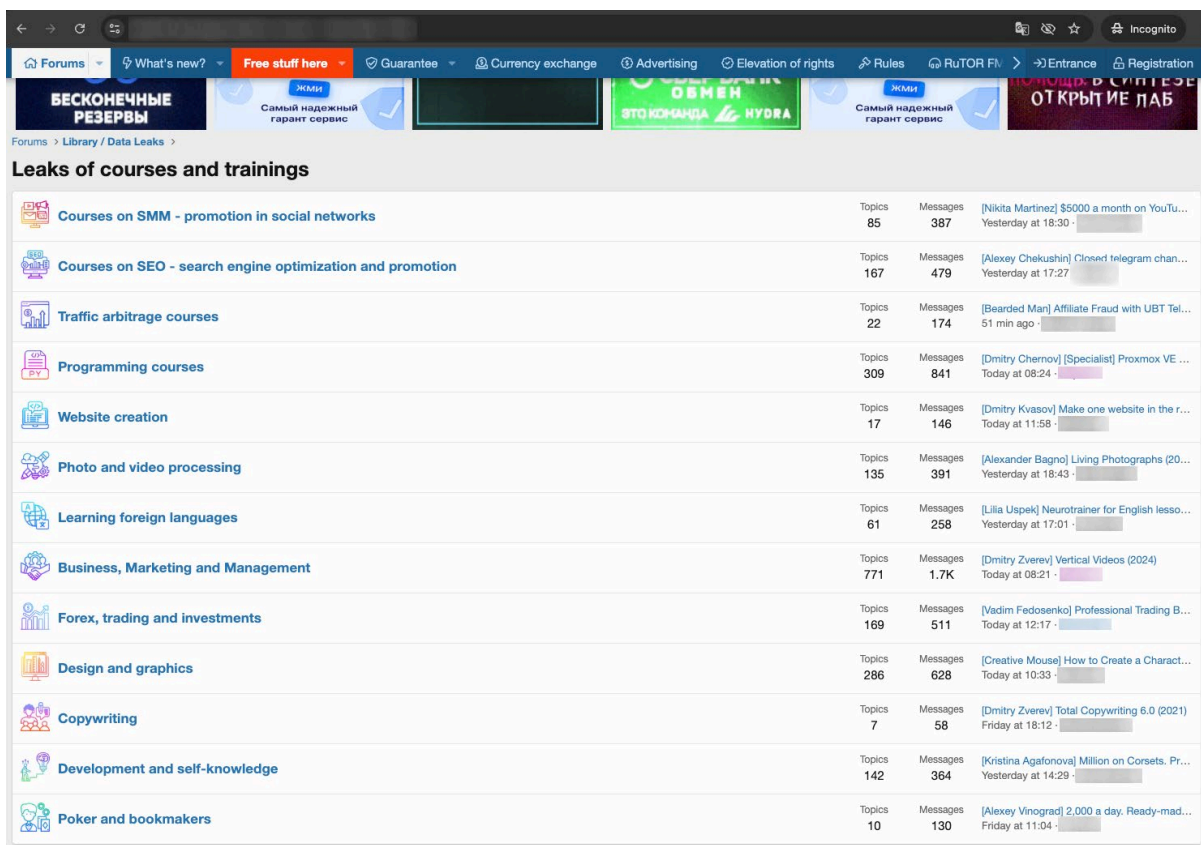
Figure 97. Forum section including offers of equipment and tools to assist car crimes

Education or training in the Russian-speaking underground

Education is a necessity for starting most careers and jobs, and the criminal underground is no exception. In the underground, reputation, knowledge, and experience are very important. This drives a robust education/training ecosystem that helps cultivate the upcoming talent pool, while providing a source of continued professional development for more senior members of the community.

Leaked guides and courses on different topics

Collections related to general disciplines are often not considered a directly monetizable asset and often published on the underground for free. By sharing such content, actors are boosting their own reputation within the community. Figure 98 shows a list of courses posted in one of the forum sections on RuTor forum.



Course Title	Topics	Messages	Recent Activity
Courses on SMM - promotion in social networks	85	387	[Nikita Martinez] \$5000 a month on YouTu... Yesterday at 18:30
Courses on SEO - search engine optimization and promotion	167	479	[Alexey Chekushin] Closed telegram chan... Yesterday at 17:27
Traffic arbitrage courses	22	174	[Bearded Man] Affiliate Fraud with UBT Tel... 51 min ago
Programming courses	309	841	[Dmitry Chernov] [Specialist] Proxmox VE ... Today at 08:24
Website creation	17	146	[Dmitry Kvasov] Make one website in the r... Today at 11:58
Photo and video processing	135	391	[Alexander Bagno] Living Photographs (20... Yesterday at 18:43
Learning foreign languages	61	258	[Lilia Uspek] Neurotrainer for English lesso... Yesterday at 17:01
Business, Marketing and Management	771	1.7K	[Dmitry Zverev] Vertical Videos (2024) Today at 08:21
Forex, trading and investments	169	511	[Vadim Fedosenko] Professional Trading B... Today at 12:17
Design and graphics	286	628	[Creative Mouse] How to Create a Charact... Today at 10:33
Copywriting	7	58	[Dmitry Zverev] Total Copywriting 6.0 (2021) Friday at 18:12
Development and self-knowledge	142	364	[Kristina Agafonova] Million on Corsets, Pr... Yesterday at 14:29
Poker and bookmakers	10	130	[Alexey Vinograd] 2,000 a day, Ready-mad... Friday at 11:04

Figure 98. List of the leaked courses available on the underground

Part of the posts provide detailed explanations on how particular criminal business processes work.

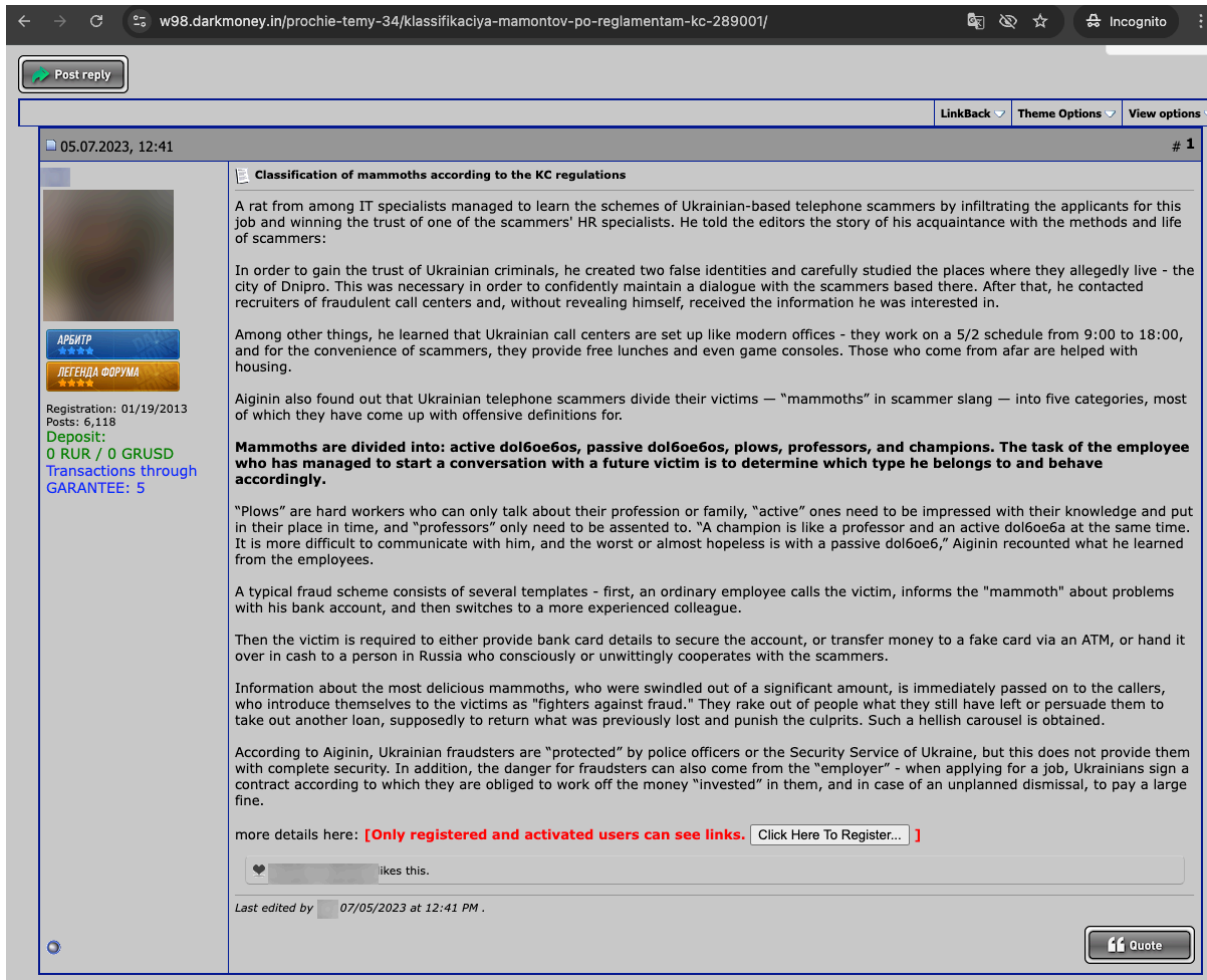


Figure 99. A description of a scam against Russian citizens driven from UA provides details how telephone scammers operate

Deanonymization on the internet

Deanonymization of a target person, or “doxing,” is a service that is in significant demand in the underground. As a result, it is possible not only to find services for this, but also manuals explaining typical techniques on how to deanonymize a person.

Deanon Manual

DedSec @Deadtool • December 16, 2023



-)

Hello Followers, this is the MOST COMPLETE course on deanon. It is very long to read, prepared for the new year for the channel @Deadtool

This course was prepared by the DedSec team

In this course you can learn how to deanonymize cheats/enemies.

Let's get started.

1) By getting through the telegram.

Figure 100. Example of a guide to deanonymize a person of interest

Crimeware tool education guides

Malware infrastructure is getting more and more complicated, and the abuse of such tools can lead to early detection of attacks and takedowns of the infrastructure. The following screenshot shows the price for the popular crimeware tool, Redline stealer, with training included.

ABTOR 17.10.2024 #2

REDLINE STEALER v30 Update

What's new?

- Password collection method updated, will now collect data on Asian OS
- Cookie recovery function added, Google Restore tab, recovery token is in the log folder \Restore
- Runtime cleaned
- Panel protection improved
- Panel stability improved
- Minor bugs fixed.

Many people asked about training: we will train, price \$5,000 + software cost included.

Forum Team
MODERATOR
Confirmed
Registration: 11/19/2022
Messages: 496
Reactions: 439
Deposit: 500.000 P
Transactions through Garant: 275

1 more person

Figure 101. Price of the training for Redline stealer. This is listed as US\$5,000 and includes a copy of the software in the price

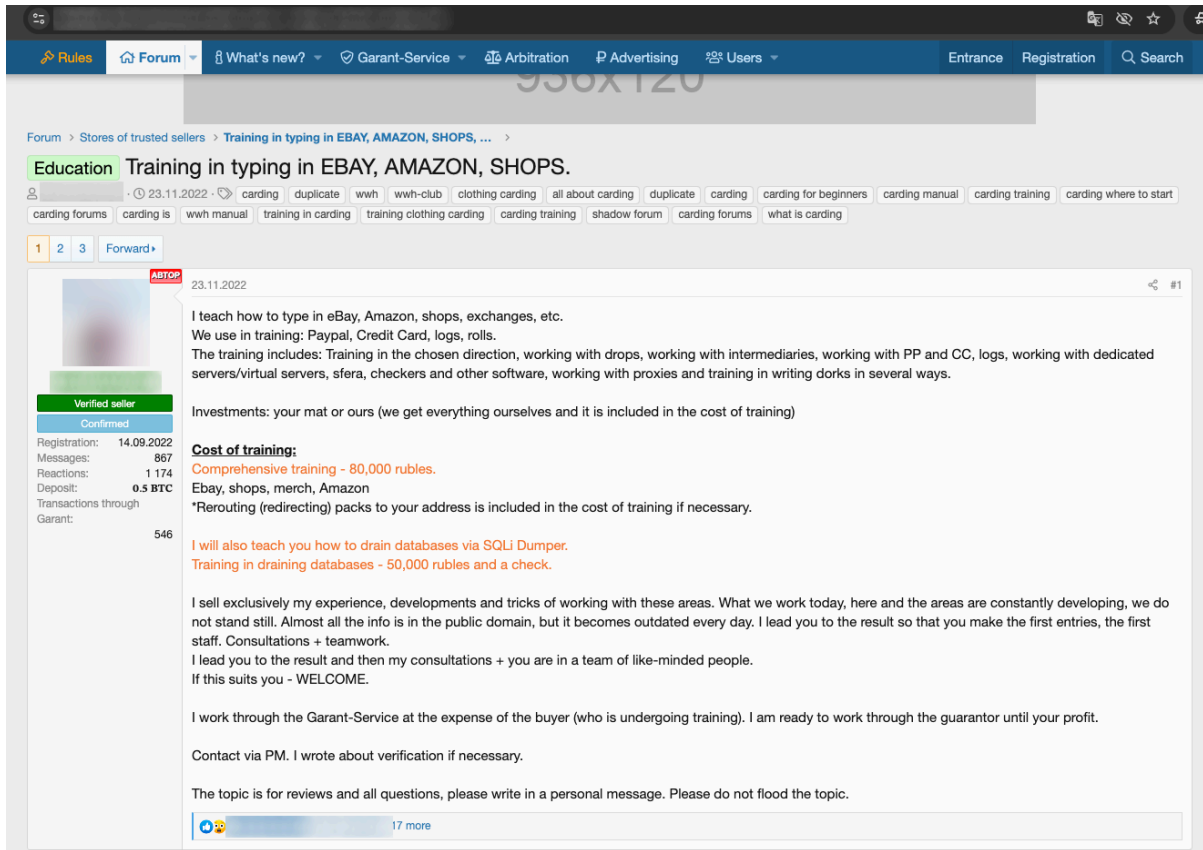


Figure 102. An example of shipping fraud training for RUB 80,000 (US\$800), which includes guides on how to use stolen credit cards, PayPal accounts, and collected credentials to illegally purchase and deliver goods from e-commerce platforms.

SIM card monetization training

SIM cards and mobile phone numbers are required at different stages of many criminal business processes. They are used to create accounts, scale business process compromise attacks, abuse marketing and promo campaigns, or to transfer money. We have already discussed the tools themselves in detail, but because of their importance, training guides are also readily available.

Forum > Stores of trusted sellers > Verified offers and services from the Administr...

Education Fillings on SIM cards of RU operators. Training.

11/19/2022 · duplicate forum · bay on sim · bays on sim cards · education · forum duplicate

ABTOP 31.12.2022 #1

I present a service for SIM card refills: currently only training + team work.
 Operators: Beeline, MTS, MegaFon, Tele2, Yota, CIS countries, Asia.
THE PRICE OF THE ISSUE IS 70,000 RUBLES FOR TRAINING.
 YOU CAN PAY IT BACK IN 7-14 DAYS.
 TRAINING 3-5 DAYS.
 Not RU merch, not RU cardboard, there will be no charges with SIM cards. Shops with materials are provided.

Forum Team
 MODERATOR
 Confirmed
 Registration: 11/19/2022
 Messages: 496
 Reactions: 439
 Deposit: 500.000 P
 Transactions through
 Garant: 275

05.02.2023 #2

Forum: Форум Дубликат

Write to the guarantor only about transactions.

Forum Team
 Administrator
 Confirmed
 Registration: 12.01.2022
 Messages: 3 344
 Reactions: 2 897

15.02.2023 #3

I am ready to undergo training, I moved along such a topic, but the topic has outlived itself. Hence the question: will the topic live for how long in the sanctions realities? Thanks for the answer.

Novoreg
 Registration: 15.02.2023
 Messages: 2
 Reactions: 0

ABTOP 15.02.2023 #4

@ [redacted], sanctions affected part of it, but now the team is working and will work. The topic will live as long as there is a sim and knowledge 🙌

Forum Team
 MODERATOR
 Confirmed
 Registration: 11/19/2022

Figure 103. An education thread with training focused on how to monetize SIM cards of Russia-based mobile operators to adjust to sanctions, priced at RUB 70,000 (US\$700)

Endnotes

- 1 Trend Micro. (n.d.). *Trend Micro*. "Business Process Compromise". Accessed on Apr. 3, 2025, at: [Link](#).
- 2 Mayra Rosario Fuentes and Fernando Mercês. (Oct. 29, 2019). *Trend Micro*. "Cheats, Hacks, and Cyberattacks: Threats to the eSports Industry in 2019 and Beyond". Accessed on Apr. 3, 2025, at: [Link](#).
- 3 David Sancho and Vincenzo Ciancaglini. (Aug. 15, 2023). *Trend Micro*. "Hype vs. Reality: AI in the Cybercriminal Underground". Accessed on Apr. 3, 2025, at: [Link](#).
- 4 David Sancho and Vincenzo Ciancaglini. (May 8, 2024). *Trend Micro*. "Back to the Hype: An Update on How Cybercriminals Are Using GenAI". Accessed on Apr. 3, 2025, at: [Link](#).
- 5 David Sancho and Vincenzo Ciancaglini. (Jul. 30, 2024). *Trend Micro*. "Surging Hype: An Update on the Rising Abuse of GenAI". Accessed on Apr. 3, 2025, at: [Link](#).
- 6 Philippe Lin, Fernando Mercês, Roel Reyes, and Ryan Flores. (Nov. 28, 2024). *Trend Micro*. "AI vs AI: Deepfakes and eKYC". Accessed on Apr. 3, 2025, at: [Link](#).
- 7 Ana Teresa Solá. (Jul. 3, 2024). *CNBC*. "Here's how to avoid romance scams, which cost consumers \$1.14 billion last year". Accessed on Apr. 3, 2025, at: [Link](#).
- 8 Lion Gu, Vladimir Kropotov, and Fyodor Yarochkin. (Jun. 13, 2017). *Trend Micro*. "White Paper: Fake News Machine - How Propagandists Abuse the Internet". Accessed on Apr. 3, 2025, at: [Link](#).
- 9 Vladimir Kropotov, Robert McArdle, and Fyodor Yarochkin. (Jul. 21, 2020). *Trend Micro*. "Hacker Infrastructure and Underground Hosting 101: Where are Cybercriminal Platforms Offered?". Accessed on Apr. 3, 2025, at: [Link](#).
- 10 Vladimir Kropotov, Robert McArdle, and Fyodor Yarochkin. (Sep. 1, 2020). *Trend Micro*. "Commodified Cybercrime Infrastructure: Exploring the Underground Services Market for Cybercriminals". Accessed on Apr. 3, 2025, at: [Link](#).
- 11 Vladimir Kropotov, Robert McArdle, and Fyodor Yarochkin. (Oct. 6, 2020). *Trend Micro*. "Inside the Bulletproof Hosting Business: Cybercrime Methods & OPSEC". Accessed on Apr. 3, 2025, at: [Link](#).
- 12 Vladimir Kropotov and Fyodor Yarochkin. (Nov. 16, 2020). *Trend Micro*. "Cybercriminal Cloud of Logs: The Emerging Underground Business of Selling Access to Stolen Data". Accessed on Apr. 3, 2025, at: [Link](#).
- 13 Craig Gibson, Vladimir Kropotov, Philippe Z Lin, Robert McArdle, and Fyodor Yarochkin. (Oct. 18, 2022). *Trend Micro*. "Leaked Today, Exploited for Life: How Social Media and Biometric Patterns Affect Your Future". Accessed on Apr. 3, 2025, at: [Link](#).
- 14 Vladimir Kropotov, Mayra Rosario Fuentes, Fyodor Yarochkin, and Lion Gu. (Dec. 20, 2017). *Trend Micro*. "Travel Hacks: How Cybercriminals Tour the World on the Cheap". Accessed on Apr. 3, 2025, at: [Link](#).