# Cybersecurity trends from dark web



# Cybersecurity trends from dark web

- Victor Acin
- Working in cybersecurity since 2014
- Experience as:
  - Ethical hacker
  - Reverse engineering
  - Threat actor tracking
- Currently leading KrakenLabs
  - Team of 22 persons
  - Producing Threat Intelligence for our product and services



\*Conference approved picture





A credential is evidence of who you are as a user, that will be used for authenticating your identity, and authorize access to a set of resources





Phishing



Vulnerabilities



Brute-force attacks



Malware



**DNS** Hijacking



Man-in-the-Middle



Leaked databases



Social engineering





Phishing



Vulnerabilities



Brute-force attacks





**DNS** Hijacking



Man-in-the-Middle

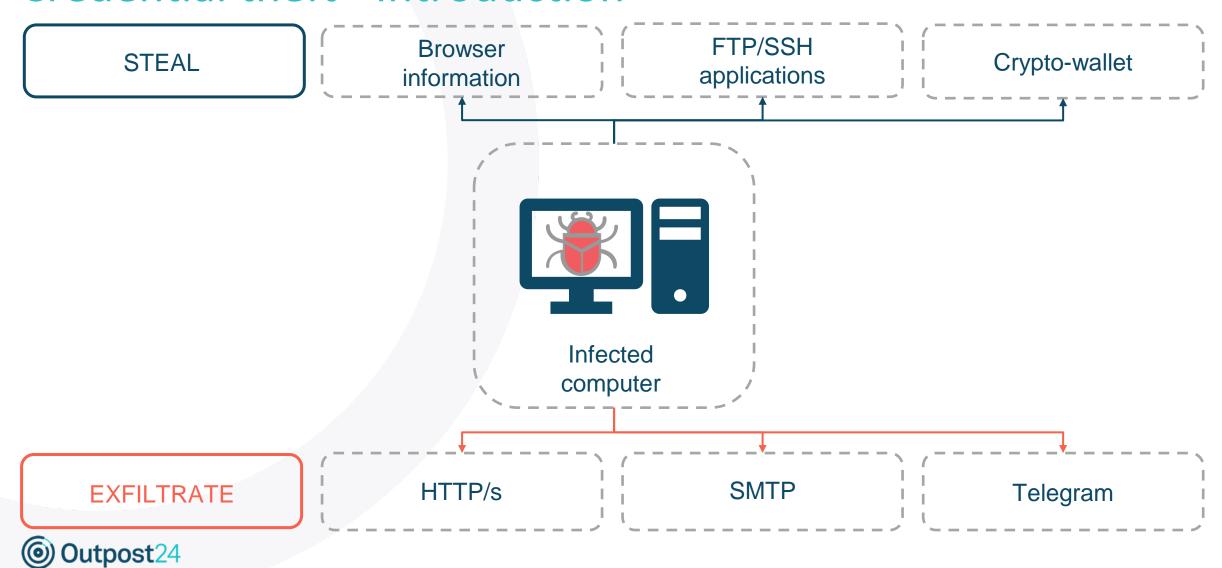


Leaked databases



Social engineering





#### Use for credentials

- Filtering of credentials
  - Look for interesting opportunities
- Give them for free
- Sell individual "infections"
- Sell in bulk





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Stealer	Country	Links	Outlook	Info	Struct	Date / Size	Vendor	Price	Action
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« ( 1 2 3 4 5 6 7 8 9 10 ) »

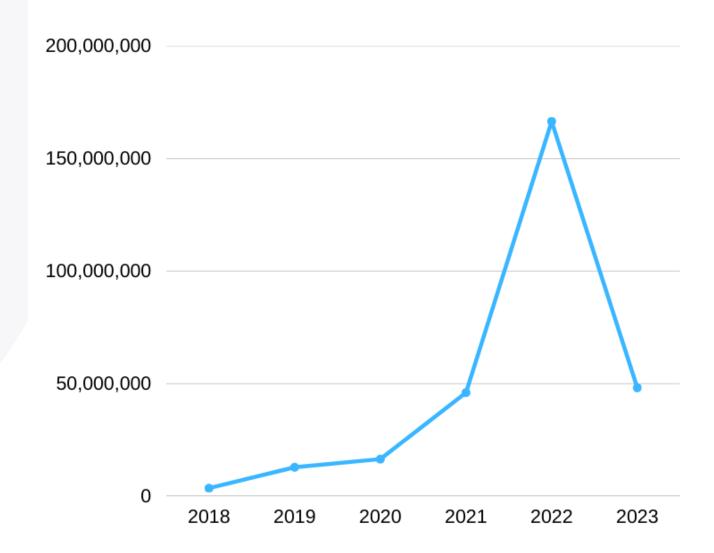
Total number of recovered credentials:

- ~300.000.000

Change in methodology

- Industrialize and scale

#### Stolen credentials recovered by year



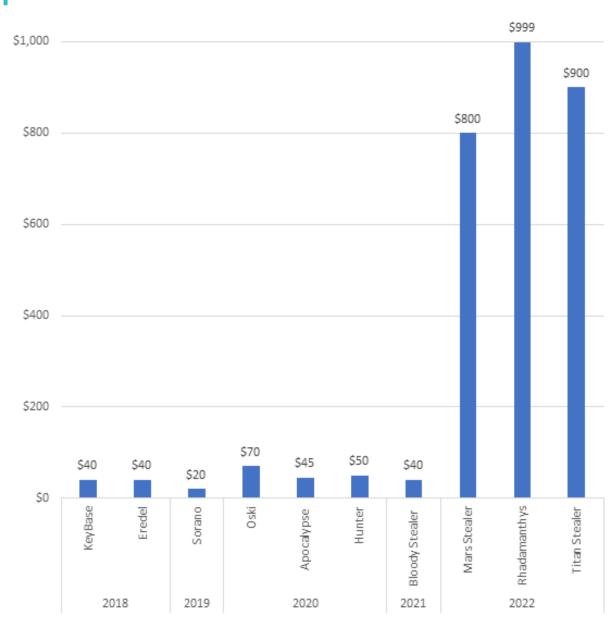


\$1.200

#### Credential theft - Introduction

#### The right conditions:

- Ransomware as a Service
- Proliferation of IAB's
- Maturity of the credential ecosystem







# Traffers ecosystem – What are traffers

Traffers are groups that leverage
Malware as a Service to recruit lowskilled cybercriminals in order to
steal credentials and sell them in
bulk through "Clouds"





# Traffers ecosystem – What are traffers

# **TRAFFERS**

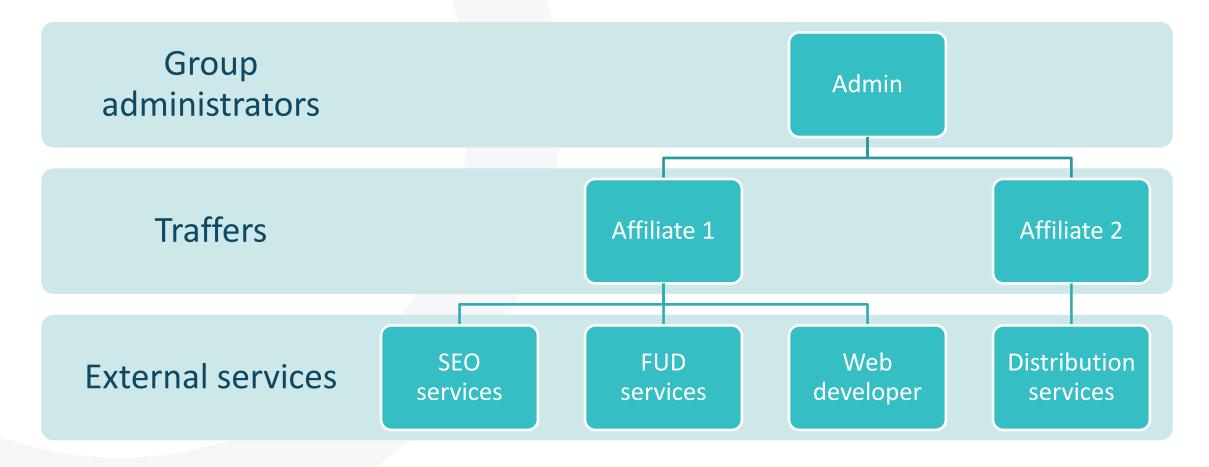
High demand for credentials

Malware Stealers as a Service

Social media and communication platforms



# Traffers ecosystem – How are they organized





#### Responsibilities

- Manage the group
- Recruiting new members
- Evaluating current members

- Invests in new tooling
- Creates tutorials for new members
- Selling the credentials

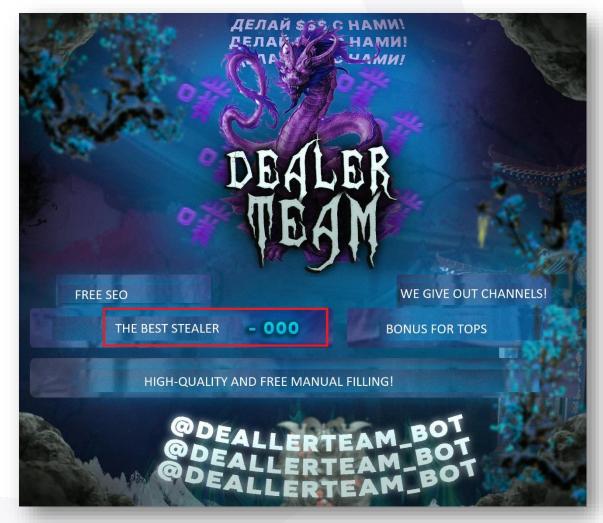
#### MUSTANG TEAM (SCAM)

#### We recruit traffers to the team

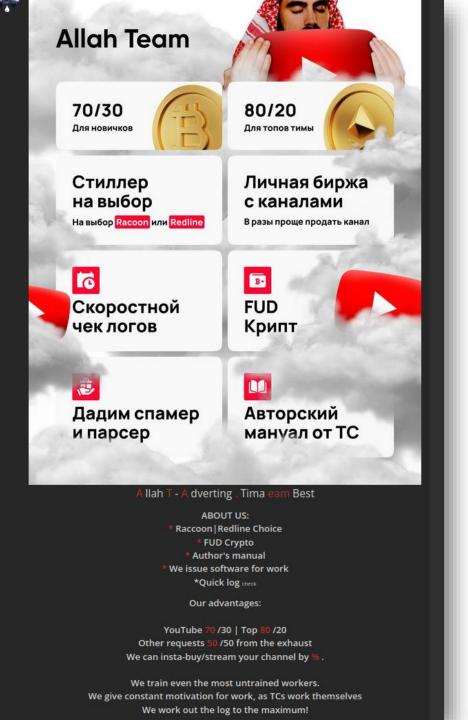
- And we have our bot and our manuals
- . We train completely from 0, and help with everything throughout your career
- About experienced curators who will bring you to the first profit and help you suck all the money out of the mammoth
  - The most favorable %
    - Daily payments

We are a new team, but we are already making big profits

IN STEP TIM - @ leancretor

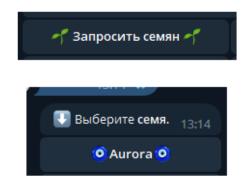






We need to create an archive that we will download for the download.

We go to the bot, / start, click get build, select the crypt, and we get our unique crypted build.



We throw it on the desktop (or in some other folder), after which we make an image of the archive, as on your video, if the archive is not visible on the video, then do something similar, fill in txt files with symbols for a billion megabytes, and change the extension to .dll, there is nothing difficult in this.



#### Dear Sir and Madam

In order to place the panel, you will need a VPS or a dedicated server (server, which can be purchased here ) running a Centos8 system.

#### Minimum requirements:

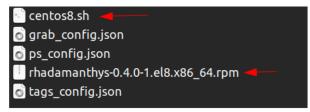
4GB memory

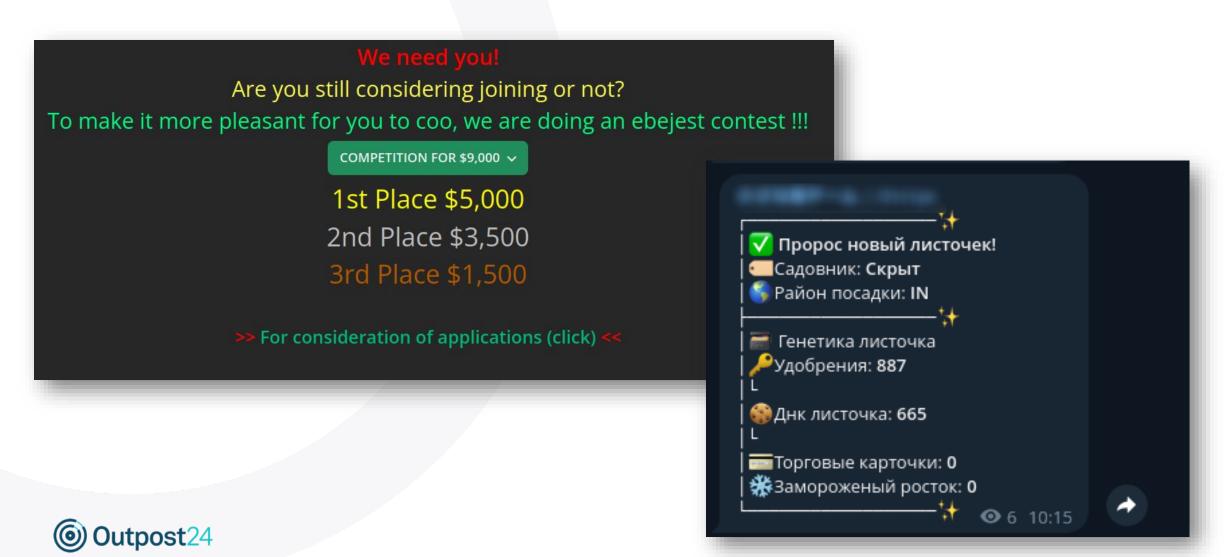
4 cores

60GB disk

1GB/sec port

After purchasing the subscription, you will receive the server installation ZIP package I gave you, which will contain the RPM installation files and one-click installation scripts of the currently working server programs. The JSON file is the corresponding sample configuration.





#### Responsibilities

- Manage the group
- Recruiting new members
- Evaluating current members
- Invests in new tooling
- Creates tutorials for new members
- Selling the credentials

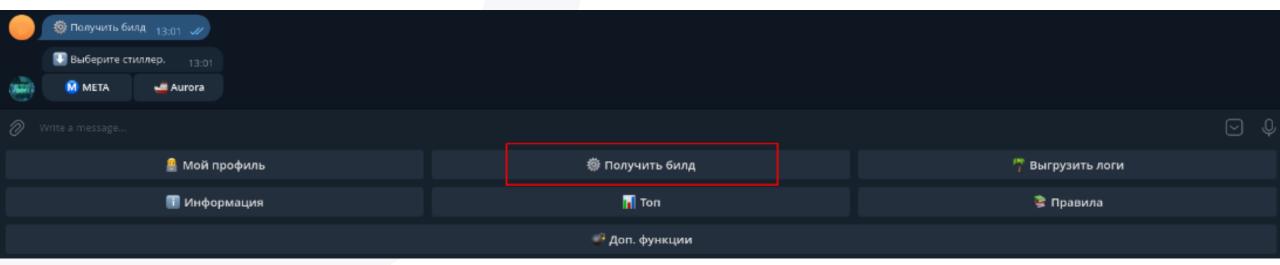




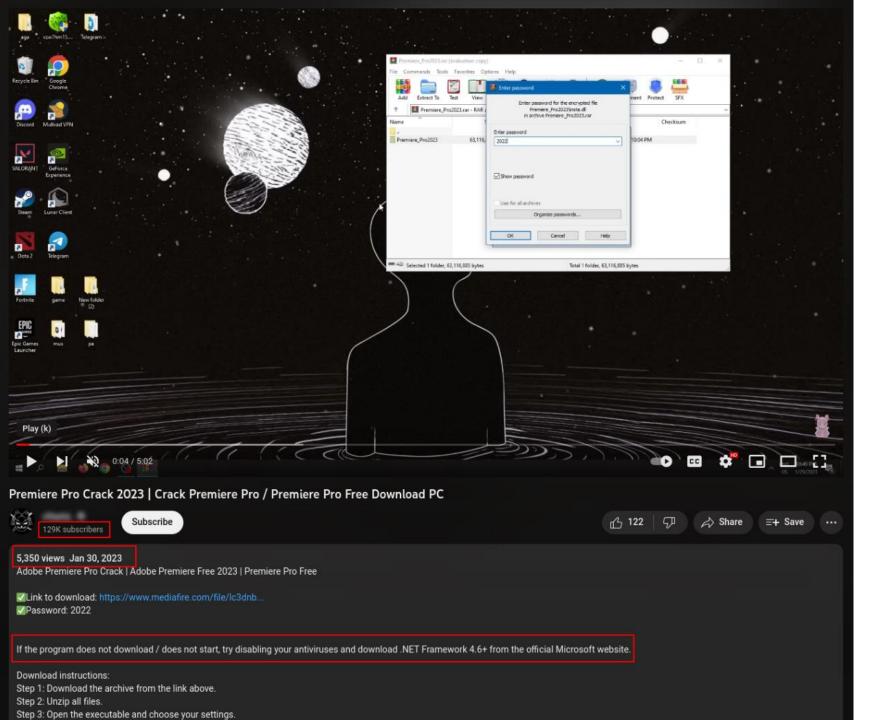
# Traffer groups – Traffers

#### **Characteristics:**

- Sole goal of stealing credentials
- Typically low technical skill
- Leverages SEO, social media



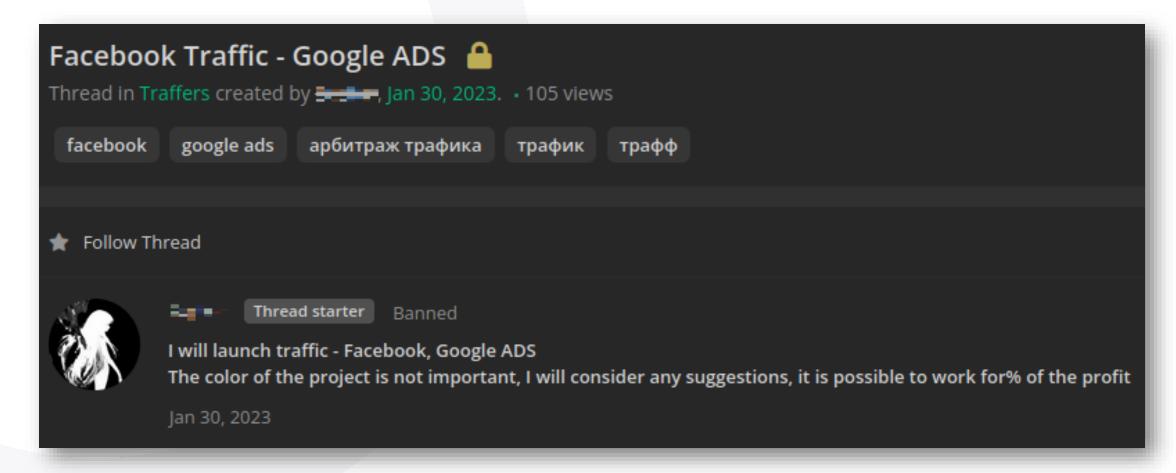




#### **Characteristics:**

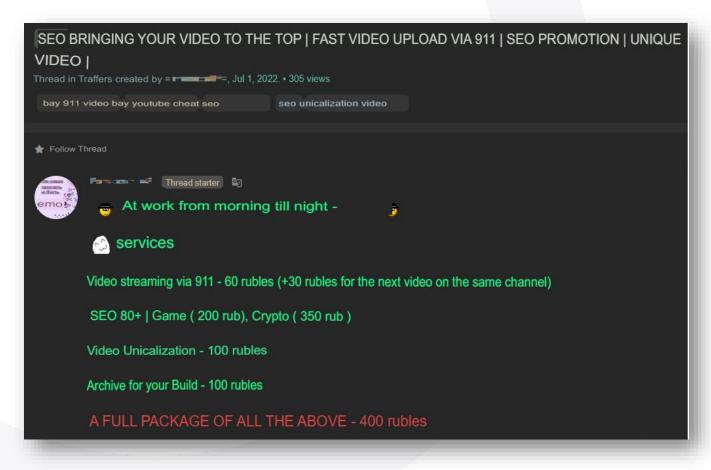
- Sole goal of stealing credentials
- Typically low technical skill
- Leverages SEO, social media, google ads

## Traffer groups – Traffers



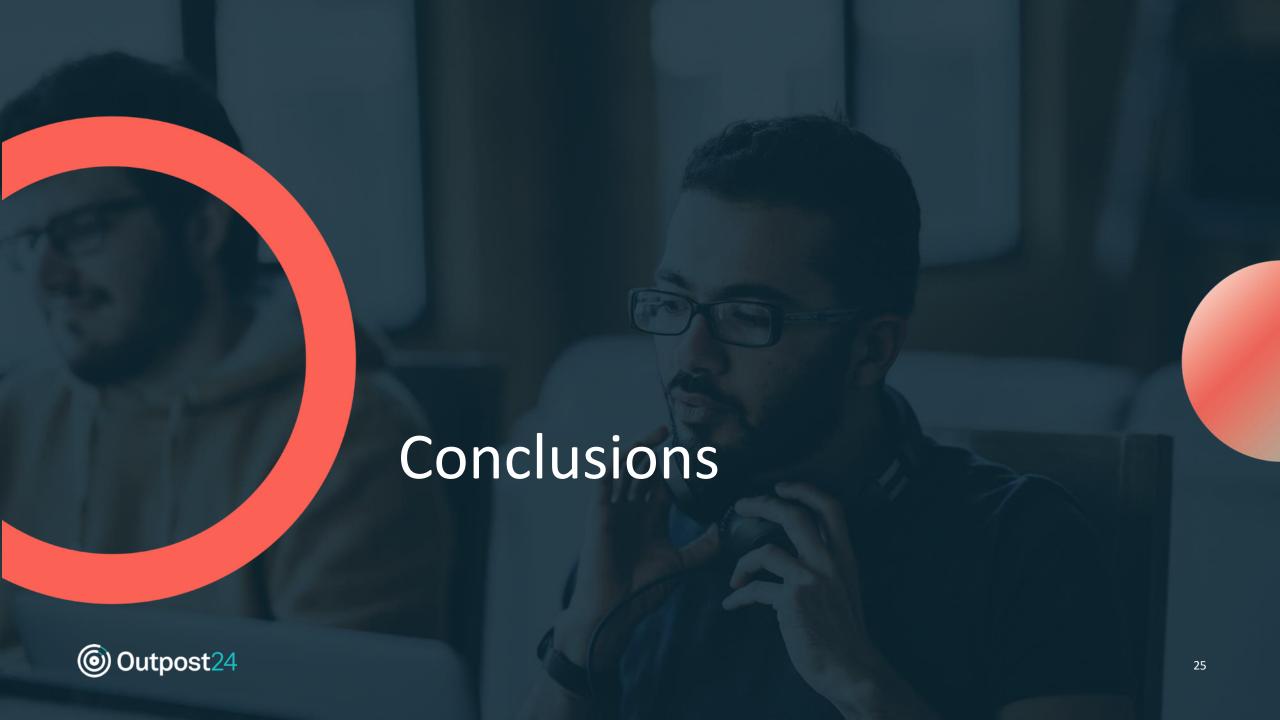


# Traffer groups – Traffers





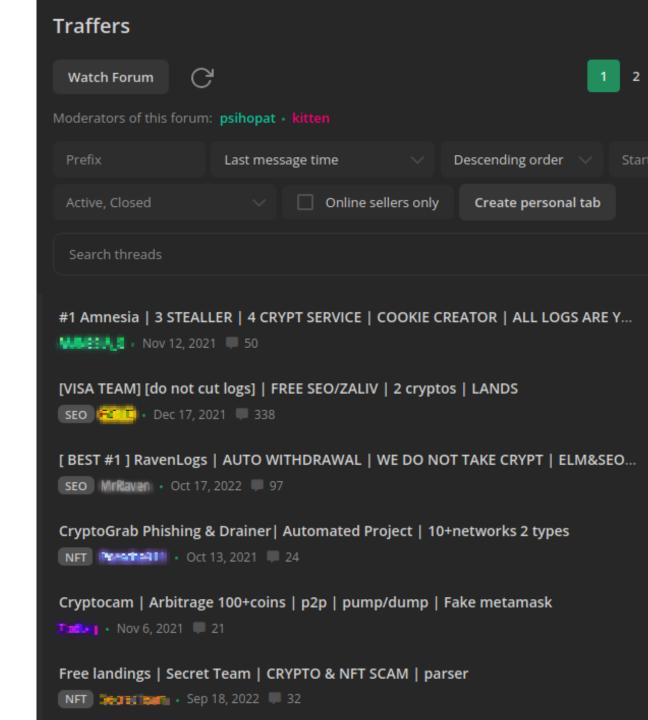




# Conclusions – Impact on the ecosystem

- Proliferation of credential stealers
- Dedicated services for traffers
- Forums and platforms change to support this new business model
- Lower entry barrier for cybercriminals





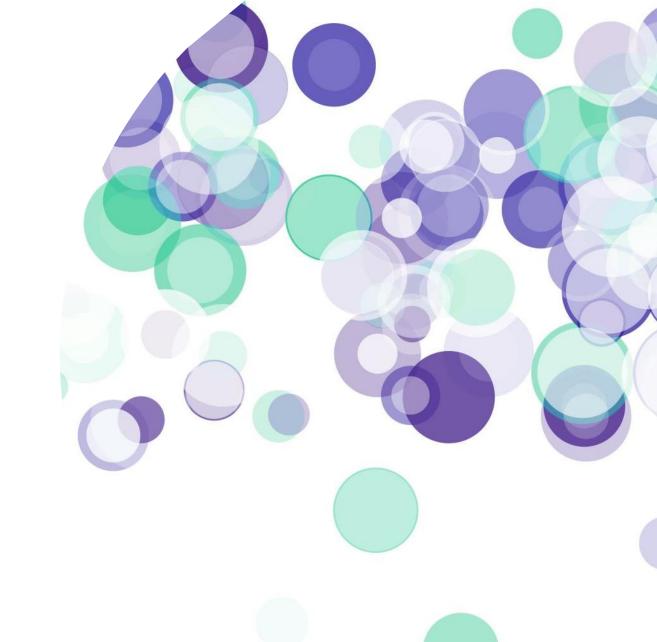
#### **Conclusions - Recommendations**

#### Prevention

- Reinforce cyberhygene habits
- Device authentication

#### Mitigation

- 2FA
- Credential monitoring
- Password auditing
- Access audit





# Thank you for listening in!



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