


# Detecting and Fingerprinting Infostealer Malware-as-a-Service platforms

 [blog.bushidotoken.net/2022/11/detecting-and-fingerprinting.html](https://blog.bushidotoken.net/2022/11/detecting-and-fingerprinting.html)

BushidoToken



Cyber threat intelligence largely involves the tracking and studying of the adversaries outside of your network. Gaining counterintelligence about your adversaries' capabilities and weaponry is one of the final building blocks for managing a strong cyber defense. In the pursuit of performing this duty, I have been studying how to discover adversary infrastructure on the internet. One good way of doing this has been via leveraging the scan data available through the popular Shodan search engine. If you've not used it before, Shodan periodically scans the entire internet and makes it available for users to query through. It is often used to monitor networks, look for vulnerabilities, and ensure the security of an organization's perimeter.

But we can also use Shodan for tracking the adversaries. Through the process of fingerprinting - that is to identify unique attributes of IPs on the internet - we can find command and control (C2) servers and login panels belonging to cybercriminals online.

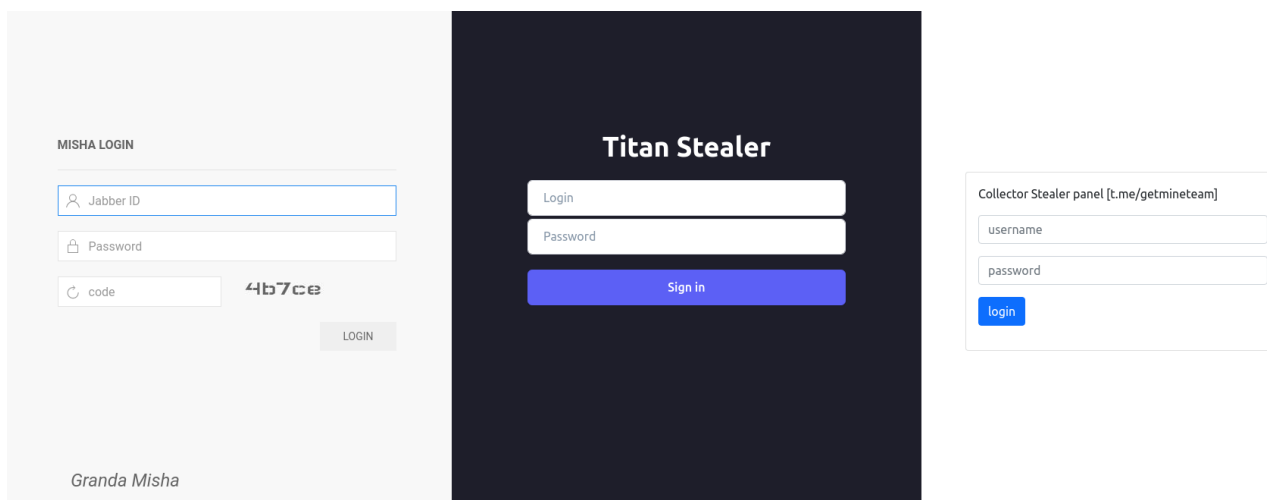
Through this process, I was able to identify dozens of infostealer control panel login pages, as well as three infostealer malware families, called Titan Stealer, Patriot Stealer, and Raxnet Stealer, that have not yet been reported elsewhere online (as far as I could tell).

It all started by searching `http.html:"stealer"` in Shodan. This revealed several login pages for known and unknown infostealer malware. I have since created a page on my GitHub repo to share some Shodan dorks that help reveal adversary infrastructure.



## Misha, Collector, and Titan Stealer

The above Shodan dork revealed dozens of IPs, which if investigated were found to be login panels for infostealer malware families. Misha Stealer and Collector Stealer are two semi well-known malware families. The "Titan Stealer" panel appears to be new with apparently no references online, vendor reports, or social media mentions by other researchers. Looks like one we should track in my books.



## Grand Misha (aka Misha Stealer)

- Shodan Dork

http.title:"misha" http.component:"UIKit"

- URLScan Query
  - <https://urlscan.io/search/#filename:%22misha.css%22>
  - <https://urlscan.io/search/#task.tags:%22misha%22>

## Collector Stealer

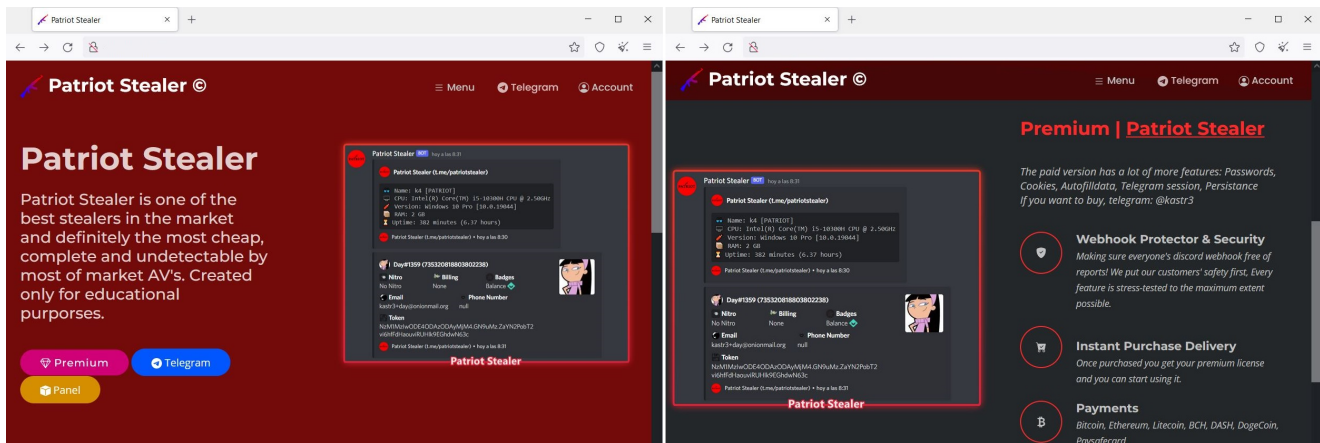
- Shodan Dork
  - [http.html:"Collector Stealer"](http.html:Collector Stealer)
  - [http.html:"getmineteam"](http.html:getmineteam)
- URLScan Query
  - <https://urlscan.io/search/#task.tags:%22collector%22>

## Titan Stealer

- Shodan Dork
  - [http.html:"Titan Stealer"](http.html:Titan Stealer)
- URLScan Query
  - <https://urlscan.io/result/daca0fcd-bbc9-48c8-810d-89fee466b639>

## Patriot Stealer

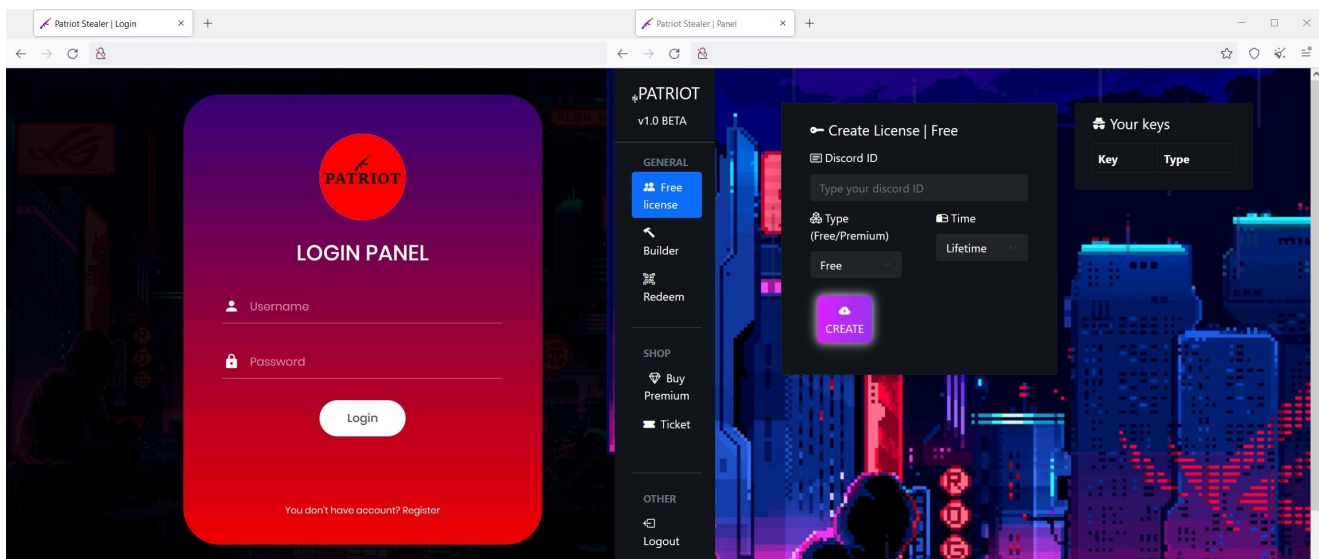
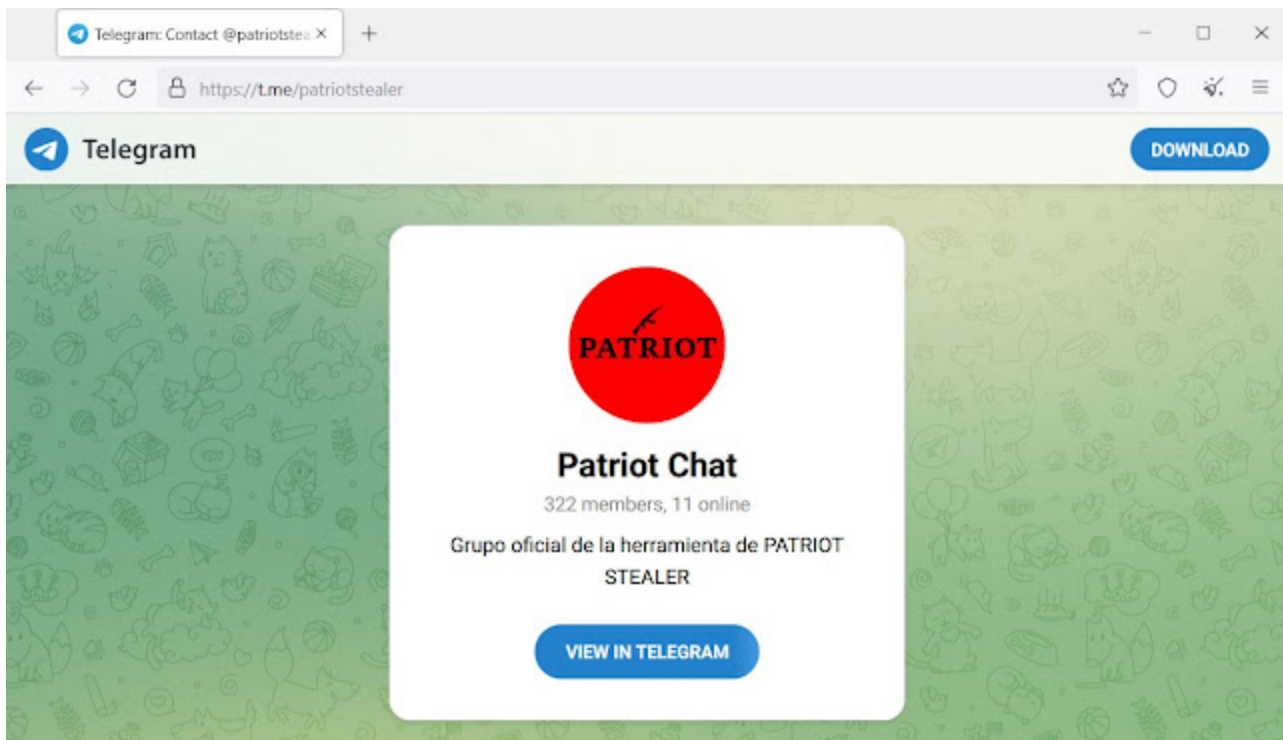
The same Shodan Dork [http.html:"stealer"](http.html:stealer) also revealed an unreported and new Malware-as-a-Service (MaaS) platform marketing itself as "Patriot Stealer". The paid version of the infostealer malware is reportedly capable of stealing "passwords, cookies, Autofilldata, Telegram session, Persistence" and if you want to buy it you should speak to "@kastr3" on Telegram. Interestingly, the malware leverages Discord webhooks to report to the operator when a victim has been infected and data has successfully been stolen.



From the Discord language setting in the screenshot on the website and from the description of the group's Telegram channel it appears the developer(s) of the Patriot Stealer are Spanish-speaking threat actors.

## Patriot Stealer

- Shodan Dork
  - `http.favicon.hash:274603478`
  - `http.html:"patriotstealer"`
- URLscan Query  
<https://urlscan.io/result/43a51776-e283-4522-ab29-ea5c7efc174a/>
- Telegram Channel  
[hxxps://t.me/patriotstealer](https://t.me/patriotstealer)



## RAXNET Bitcoin Stealer

Again, the trusty Shodan Dork `http.html:"stealer"` uncovered another new and unreported infostealer malware called "RAXNET Bitcoin Stealer" that targets cryptocurrency users by replacing destination wallet addresses with the cybercriminal's own wallet addresses. The main features of this Malware-as-a-Service (MaaS) allegedly includes "Fully Undetectable, AV-bypass, Private Key Stealer, Online Logs Panel" and has several pricing models from \$80 to \$150, including "similarity mode" and the "builder" of the malware. The MaaS operators also offer "spreading methods" for \$75. Other notable services related to this MaaS were "resell rights", "full video tutorials", "24/7 support", and a "refund policy."

The screenshot shows the RAXNET Bitcoin Stealer website. The page has a blue header with navigation links: "Buy Bitcoin Stealer", "Telegram @PureTX", "Videos", and "Contact US". A status bar indicates "Detection 0/26" and "Status: FUD". The main content area is a blue banner with the text "RAXNET Bitcoin Stealer" and "The most advanced Cryptocurrency & Altcoin stealer on the market. Fully Undetectable, AV-Bypass, Private Key Stealer, Online Logs Panel". Below this are buttons for "[SIMILARITY MODE] - \$80", "[SIMPLE MODE] - FREE", and "BUILDER - \$150 (Main Tool)". There are also links for "VIDEO", "ONLINE DEMONSTRATION", and a Telegram icon. On the right, a screenshot of the malware's configuration interface is shown, titled "RAXNET | CRYPTOHAXNET | punity@protonmail.com | Telegram: @PureTX". The interface includes fields for "Your BTC-1xx Address", "Your BTC-3xx Address", "Your BTC-bc1 Address", "Your ETHEREUM Address", and "Your MONERO-XMR Address". It also has checkboxes for "Run on Windows Start" and "Anti-Taskmgr", and a "Simple Build" button. At the bottom, there are instructions for LEGACY, SEGWIT, and BECH32 addresses.

## RAXNET Bitcoin Stealer

- Shodan Dork  
`http.favicon.hash:-1236243965`
- URLscan Query  
`https://urlscan.io/result/c4f7f543-46f5-4051-b3cb-3699d4b99c5c/`
- Domain  
`cryptohax[.]net`
- Telegram  
`@PureTX (hxxps://t.me/PureTX)`
- E-mail  
`punity@protonmail.com`

- YouTube
  - <https://www.youtube.com/@bitstorm101> (Joined 17 Nov 2022)
  - <https://www.youtube.com/@punxi49> (Joined 21 Jun 2020)
  - <https://www.youtube.com/watch?v=oNGlubac9sk> (video tutorial)
  - <https://www.youtube.com/watch?v=D9iT4VJev28> (video tutorial)

The screenshot shows a website for 'Bitcoin Stealer 2022 - BTC Clipp'. The main content area features a product listing for '1. THE BUILDER (Bitcoin Stealer Main Tool)' priced at \$150. Below the price, there is a list of features and benefits, each preceded by a checkmark. A video player is embedded on the left side of the page, showing a screenshot of the software interface with a play button overlay. The interface shows a table with columns for 'COIN', 'YOUR RECEIVING ADDRESS', 'DATE & TIME', 'COUNTRY', and 'OS'. The table contains several rows of data, including Bitcoin addresses and dates. The website also has a navigation bar with links for 'Buy Bitcoin Stealer', 'Telegram @PureTX', 'Videos', and 'Contact US'. A status bar at the top indicates 'Detection 0/26' and 'Status: FUD ✓'.

**1. THE BUILDER (Bitcoin Stealer Main Tool)**

The Builder will allow you to build UNLIMITED .exe files that contain your addresses, in both Simple & Similarity Mode. Builder is auto-updated with new features.

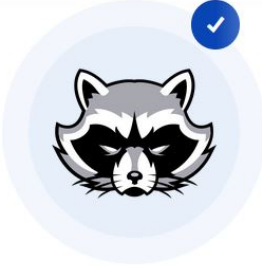
**Select Version to purchase:**

- ✓ Build UNLIMITED files in Simple & Similarity Mode (Full Version)
- ✓ Resell rights included (sell .exe to others for profit)
- ✓ Address Generator Included (Generates Offline)
  - The Builder only needs the lists of Public Addresses.
  - Private Keys remain secret to you only.
  - We teach you how to generate them with Video Tutorials
- ✓ Full Video Tutorials (customers only)
- ✓ Periodic Updates for new Features
- ✓ Host Included for Online Panel
- ✓ Online Panel Files (Host requires .php)
- ✓ Easy to use GUI
- ✓ 24/7 Support
- ✓ Refund Policy - Don't like it?
  - We issue you a full refund in the first 24 hours from the purchase, if you did not like our software.

Bitcoin Stealer 2022 - BTC Clipp x +

https://cryptohax.net

Detection 0/26 Status: FUD ✓ Buy Bitcoin Stealer Telegram @PureTX Videos Contact US

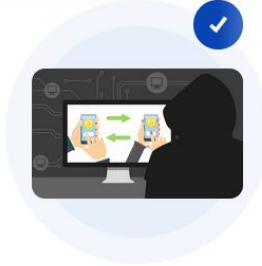


**Spread the file**

Upload the Virus on the internet and infect as many Crypto users as possible. If you don't know how to spread, then you should buy our **Crypto Spreading Methods**. (5 methods included)

[\\$75 - Buy SPREADING METHODS](#)

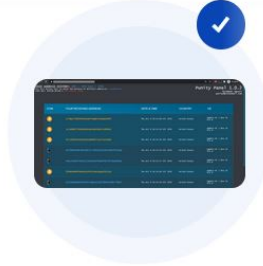
Crypto-Targeted Audience, methods used by us.



**Wait for transactions**

All the victim has to do is copy a BTC address in clipboard and our Stealer will replace it with your address instantly, without him noticing.

This will result in him pasting your address instead, and make the payment to you.



**Check your Online Logs Panel**

When a victim successfully had his address replaced, the replaced-with address (yours) will show up in the Online Logs Panel, for you to check.


Any address in the Online Panel = your address

You can click on them to check for Balance.

Bitcoin Stealer 2022 - BTC Clipp x Telegram: Contact @puretx x +

https://t.me/puretx

Telegram DOWNLOAD



**PureTX**  
@puretx

[SEND MESSAGE](#)

## Analysis

The cybercriminal underground continues to evolve, and Malware-as-a-Service (MaaS) offerings have been a significant contributing factor for an increase in cybercrime. Aspiring cybercriminals no longer require the technical skills to perform such attacks, but as little as

\$150 dollars to run a malware campaign with a multi-featured cybercrime tool allegedly with "24/7 support" from English- and Spanish-speaking malware developers as part of the as-a-Service business model.

This research also highlights that the infrastructure of cybercriminals often includes several common denominators, such as email addresses and Telegram channels to communicate with customers, websites and YouTube channels to advertise products, as well as cryptocurrency wallets to receive payments.

Stealing credentials on a wide scale can be useful for a plethora of attacks. The threat actor who actually stole the credentials is also not always going to be the one who leverages them. This is due to the growing popularity of selling stolen credentials on cybercrime forums and marketplaces.

## **Lessons from the Conti Leaks**

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### **Overview of Russian GRU and SVR Cyberespionage Campaigns 1H 2022**

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#### **Gamer Cheater Hacker Spy**

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