

**A Quick Look at:  
LummaC2/Lumma Stealer**

## **Document Control**

Version Number	Date	Change Summary
0.1	11 Feb 2024	Initial draft.

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## **What is LummaC2/Lumma Stealer?**

The Lumma stealer gets its name from the threat actor “Shamel” – who originally offered the stealer for sale on various different underground markets, “Shamel” used the alias “Lumma” in making the posts. “Shamel” is also responsible for the 7.62mm Stealer [1]. The stealer first emerged in 2022, appearing in [tweets](#) from August/September 2022.

Lumma primarily targets cryptocurrency wallets, browser extensions and two factor authentication. Lumma is able to pull information from compromised targets including: system data, installed program data, cookies, usernames, passwords, credit card numbers, connection history, cryptocurrency wallet data [2].

Lumma is priced from \$250 (The “Experienced” edition) up to \$1000 (the “Corporate” edition). The source code for Lumma was also available to purchase for a time for \$20000 [2]. Payments are processed via Coinbase using a wide range of cryptocurrency options [3].

## **Distribution of Lumma**

Lumma has typically been distributed under the guise of cracked/fake popular software. This has been seen in the form of a fake crack for Nitro Pro, other variants include claiming to be popular software like VLC or Sony VEGAS Pro, or even as a fake browser update [4]. However, as recently as Jan 2024, Lumma has been seen distributed via malicious URLs on YouTube videos, the videos offer free software to users and encourage them to download a malicious zip file [5].

Lumma has also seen distribution via Discord. A user will receive a message from someone, asking them to test out their new game and offering to pay for their time. Upon accessing the link sent, the Lumma download is triggered multiple times, and if executed, it will talk back to its C2 server and attempt to exfiltrate sensitive information from the machine [6].

Lumma has also been seen targeting YouTubers in spear-phishing campaigns [7]. The download links to the software are typically for well known, trusted file hosting services like SharePoint/OneDrive, Mediafire and DropBox.

## **Execution of Lumma**

Once the stealer has acquired a foothold on a victim machine via direct execution, the malware reaches out to a command and control server to transfer pilfered data. The stealer itself is heavily obfuscated, using many techniques including Control Flow Flattening to make it very hard to determine exactly what is going on.

When a connection is established, Lumma sends a POST request to its C2 server with a hardcoded user agent and a parameter “act=life” to check in. Next, another POST request is sent with the Lumma ID and parameter “act=receive-message”, which will then upload a compressed version of any stolen data to the C2 server at URI “/api.” [8] Lumma is still being actively developed and updated to better evade anti-virus detections.

## **Stealer Sample 1**

Stealer sample acquired from:

[https://bazaar\[.\]abuse\[.\]ch/sample/](https://bazaar[.]abuse[.]ch/sample/)

19fe9b958bd9c9280d07754ab903022a3dc9fc380a6964733a1dcc016aba8150/

Stealer SHA-256: 19fe9b958bd9c9280d07754ab903022a3dc9fc380a6964733a1dcc016aba8150

### **Integrity Checking**

Once extracted, the sample is confirmed to be a Windows PE32 Executable with command: `file [filename]`. The integrity is confirmed by running `sha256sum [filename]` where the output returns: 19fe9b958bd9c9280d07754ab903022a3dc9fc380a6964733a1dcc016aba8150.

## **Threat Actors, Associated Accounts and Other Intel**

### **Telegram**

<b>Display Name</b>	<b>Link</b>	<b>Description</b>	<b>State</b>
@LummaC2Link Figure 1 Figure 2	hxxps[://]t[.]me/s/ LummaC2Link	Channel with master list of Lumma telegram contacts.	ONLINE
@LummaC2Stealer Figure 3 Figure 4	hxxps[://]t[.]me/ LummaC2Stealer	Main channel for Lumma stealer, posts updates.	ONLINE
@LummaC2Team Figure 5	hxxps[://]t[.]me/ LummaC2Team	Main public channel for the Lumma C2 Team, no preview available.	ONLINE
@lummaseller126 Figure 6	hxxps[://]t[.]me/ lummaseller126	Main account for the primary(?) verified seller of Lumma.	ONLINE
Lumma C2 – reviews Figure 7	hxxps[://]t[.]me/ +zq0CE4r-- ZEyM2Fi	Channel to post reviews for Lumma.	ONLINE
@lummanowork Figure 8	hxxps[://]t[.]me/ lummanowork	Bug reporting user account for Lumma.	ONLINE
@LummaC2Blacklist Figure 9 Figure 10	hxxps[://]t[.]me/ LummaC2Blacklist	Blacklist of scammers/false sellers of Lumma.	ONLINE

### **Documentation**

<b>Document</b>	<b>Link</b>	<b>Description</b>	<b>Stable [Safe] Link</b>
About Lumma Document (ENG)	hxxps[://]telegra[.]ph/ LummaC2---universal- stealer-a-malware-for- professionals-07-27	Document written by the creators outlining the current capabilities of Lumma.	
About Lumma Document (RU)	hxxps[://]telegra[.]ph/ LummaC2---unikalnyj- stiller-instrument-dlya- professionalov-07-05	Document written by the creators outlining the current capabilities of Lumma.	

## Indicators of Compromise

### IP Addresses

82[.]117[.]255[.]80

### Files

## Appendices

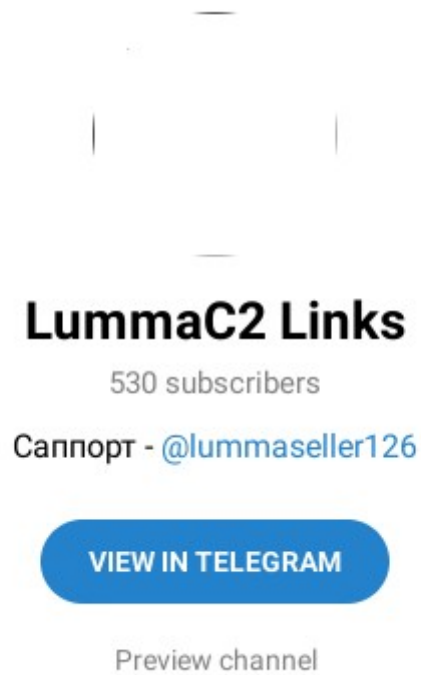


Figure 1: Lumma links Telegram channel.

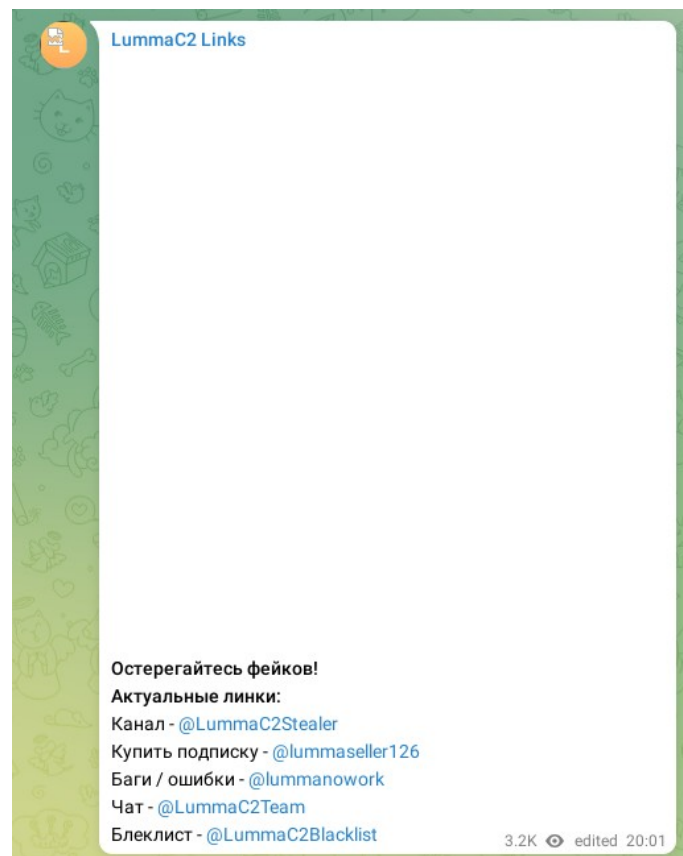


Figure 2: Inside Lumma links Telegram channel.

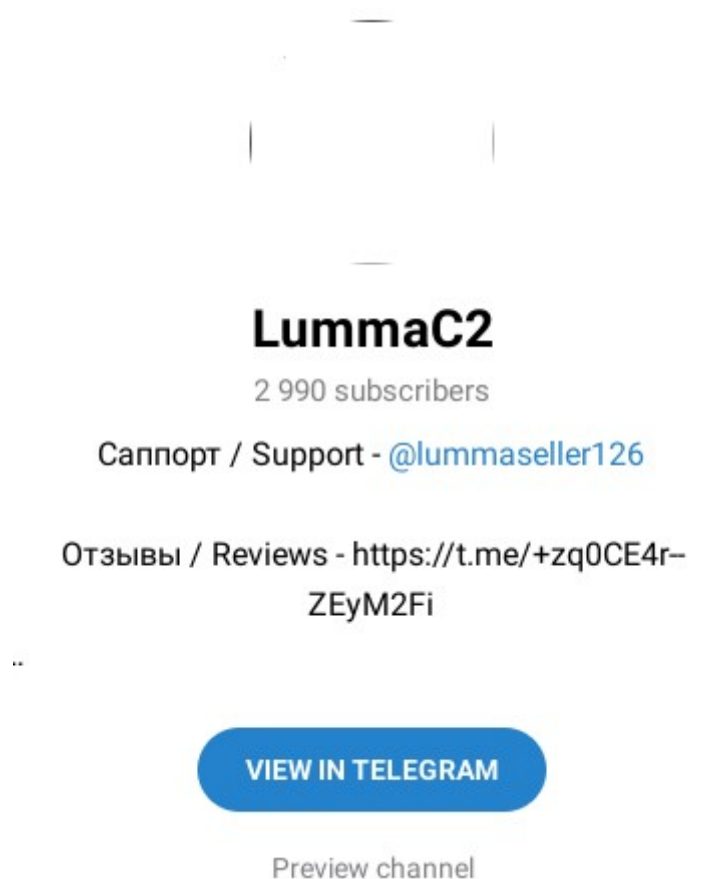


Figure 3: Lumma Stealer Telegram channel.

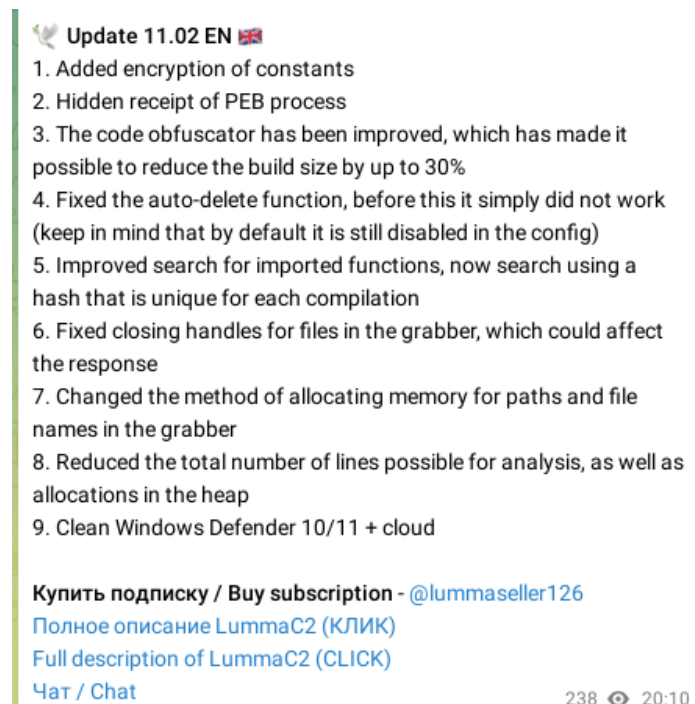


Figure 4: Most recent update notes from Luma stealer Telegram channel.





## LummaC2 | Public

2 212 members, 101 online

Канал / Channel - [@LummaC2Stealer](#)

Купить подписку / Buy subscription-  
[@lummaseller126](#)

Баги / Bugs - [@lummanowork](#)

Правила в закрепе....

VIEW IN TELEGRAM

Figure 5: Lumma C2 Team Telegram channel.



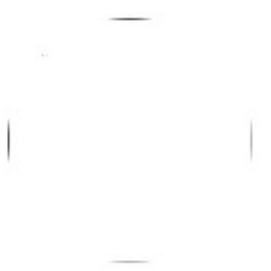
## LummaC2 Seller

[@lummaseller126](#)

Баги и ошибки - [@lummanowork](#) / Канал -  
<https://t.me/LummaC2Stealer>

SEND MESSAGE

Figure 6: Lumma seller Telegram channel.



## LummaC2 - отзывы

206 subscribers

Актуальные линки - [@LummaC2Link](#)

JOIN CHANNEL

*Figure 7: Lumma reviews Telegram channel.*



## LummaC2 Bugs

@lummanowork

SEND MESSAGE

*Figure 8: Lumma bug reporting Telegram user.*

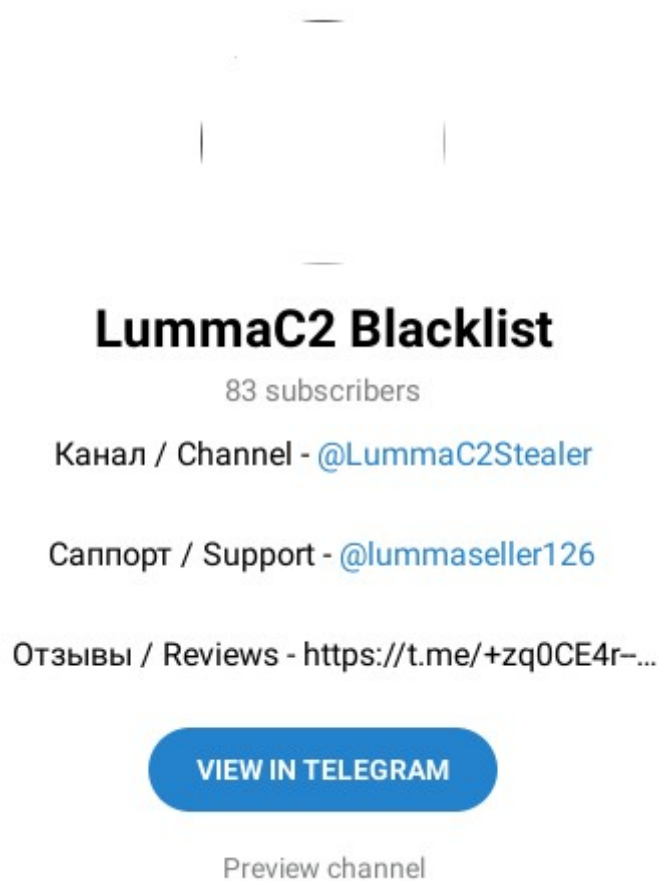


Figure 9: Lumma blacklist Telegram channel.

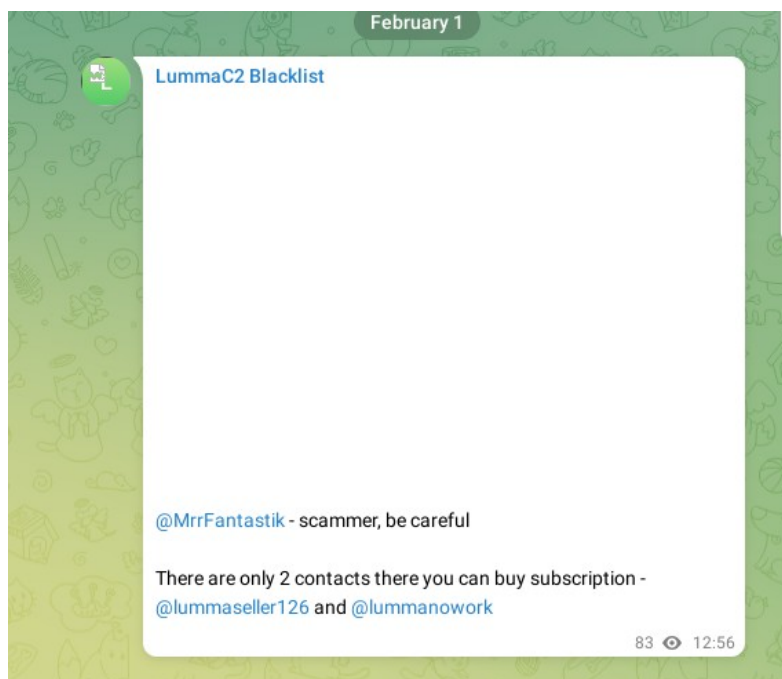


Figure 10: Inside Lumma blacklist telegram channel.

## Bibliography

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- 4: eSentire Threat Response Unit, Fake Browser Updates Distribute LummaC Stealer, Amadey and PrivateLoader Malware , 2023
- 5: Cyware Alerts - Hacker News, Researchers Disclose New Lumma Stealer Campaign Distributed via YouTube., 2024
- 6: Carl Malipot, Beware: Lumma Stealer Distributed via Discord CDN, 2023
- 7: Jiho Kim, Sebin Lee, Lumma Stealer targets YouTubers via Spear-phishing Email, 2023
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