

Tracing the Intrusion: Unveiling the Covert Trails of Infostealer Malware Ecosystems

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- Introduction
- What damage can infostealers do
- Case study Major Cyber attack
- Traffers & their Ecosystem
- Delivery Mechanisms & Evolution
- Trends
- Motivation
- Mitigation & Concluding Notes



5 Most Dangerous Cyber Attacks according to SANS

- SEO Boosted attacks
- Malvertising
- Developers as target
- Offensive uses of Al
- Weaponizing AI for Social Engineering



Introduction

- Infostealer What is it?
- What enables it?
- Infostealer capabilities
 - Packers Hides payload
 - Loaders Drops payload
 - Defender, AMSI and EDR Bypasses
 - Exploiting **CVEs** They are on track with latest security trends!
 - Updated with exfiltrating data of most used software.



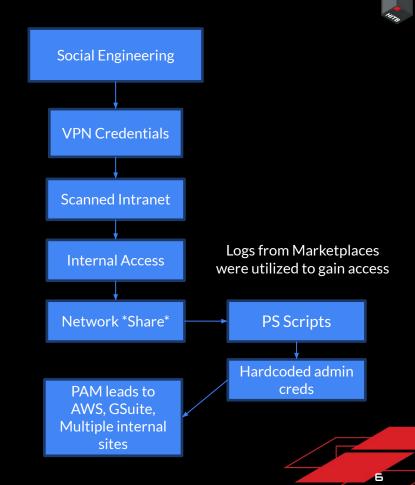
What happens if you are infected

- Data gets compromised across synced devices.
- Exploited multiple times by multiple threat actors.
- Victim's browser is mimicked and IP impersonation to bypass 2FA, IP based login





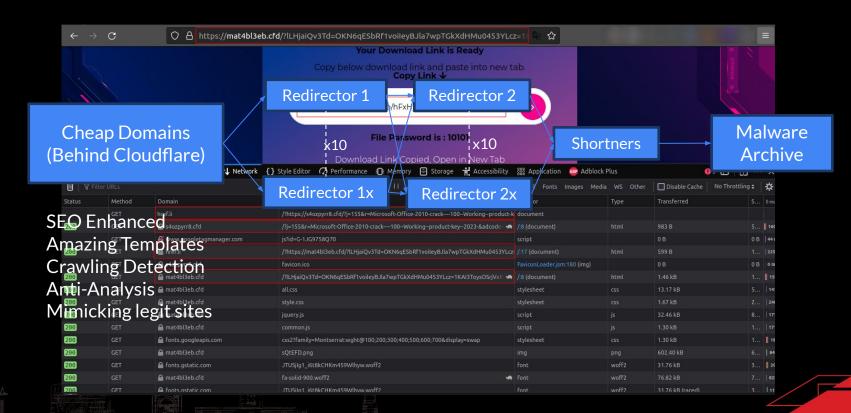
- Cyber attack was on a organization with ~\$30B Revenue
- Minimal Skill
- Maximum Damage
- Used by every TA

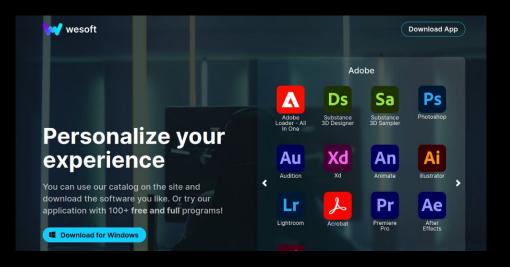


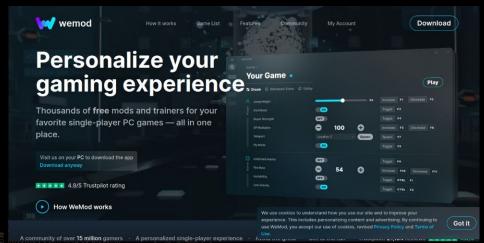
Traffer Ecosystem Malware Developer Log Checker Crypter **Traffer Admin** Developer Buyers **Traffer Resources** Market Telegram Bot with capabilities of: 1.Automated Builds 2.User Manual 3.SEO Panel, 4.Log Checker Software 5.Proxy kit 6.Youtube Uploader **Traffers**



Delivery 1 - Malicious Domains

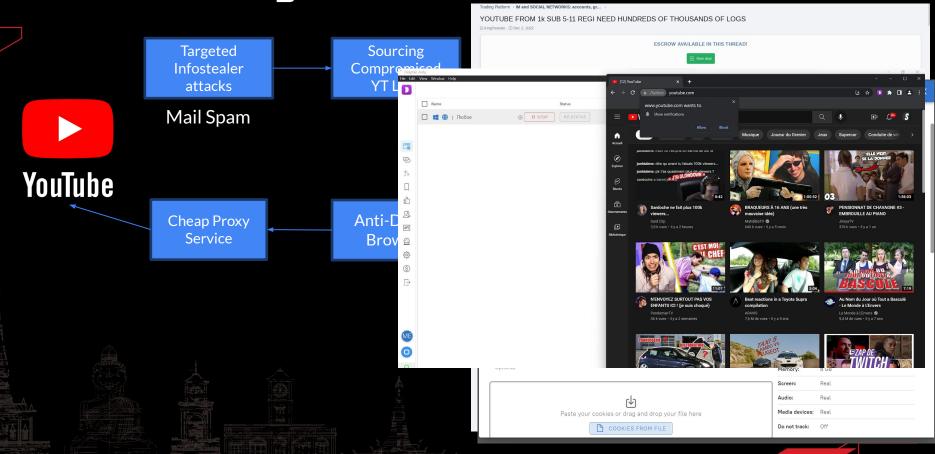




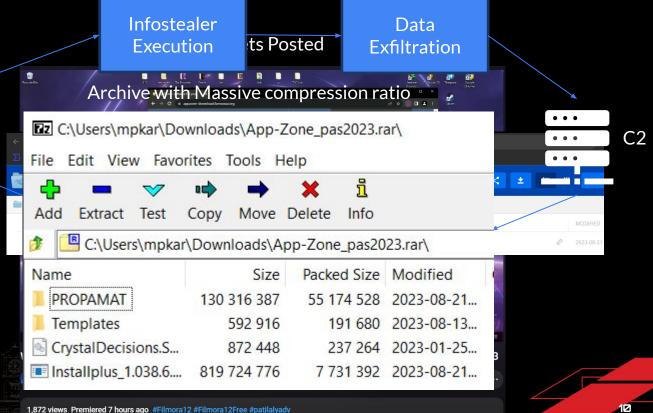




Delivery 2 - 911 Infection chain



Delivery 2 - Contd..







Delivery 3 — Mail Spam





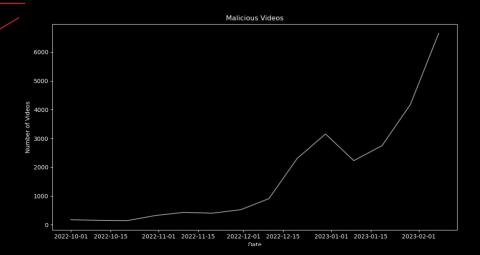


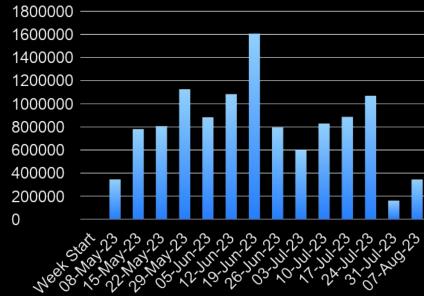
Infection Chains keep Evolving with one Single goal To Steal Data

- Usage of AI Generated Voice overs and Personas to feature in their videos
- Constantly evolving & diverse tactics
- Achieving business continuity by usage of compromised accounts
 - To run their infrastructure of hosting malware
 - Deceive users into believing the content is genuine



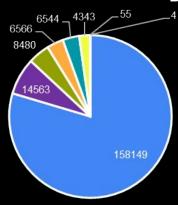








Infostealers Detected (May-Aug 23)



- ■Not Detected
- Vidar

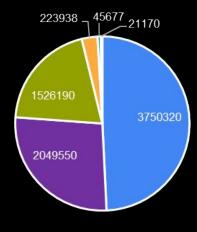
RedLine

- LummaStealer
- ■Raccoon Infostealer ■Recordbreaker

Stealc

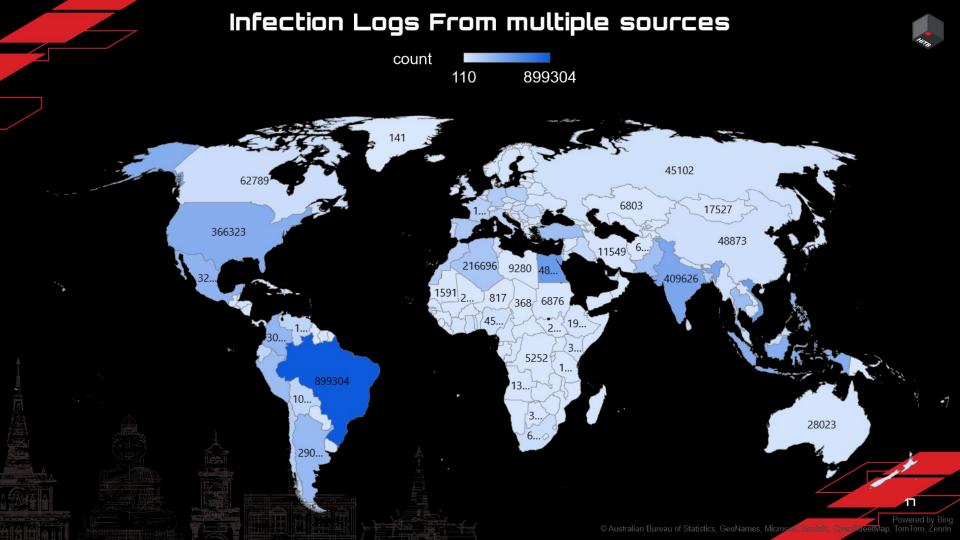
Other

Infostealer Families Prevalent in market





Data Logs on Sale in Darkweb Marketplaces Logs on sale* 117416 8635 2 934 385 5837





Motivation?

- Lot of scope to earn for a skilled TA
- Zero to Hero training by TA for TA
- Less knowledge of the public around malicious software
- Money 🤑
 - Potential > \$100k USD

English



Best traffers of all time (logs):

- 1. @moriwWs | Logs: 5454
- 2. @LEORIC1337 | Logs: 3019
- 3. @WhyMelol123 | Logs: 2757
- 4. @FlexFun228 | Logs: 2686
- 5. @reimann_money | Logs: 2275
- 6. @nickosUWU | Logs: 2260
- 7. @ZEDSS0 | Logs: 2016
- 8. @laveelii | Logs: 1858
- 9. @ozabo4en | Logs: 1756
- 10. @zhilsholi | Logs: 1756
- 11. @Averdar | Logs: 1654
- 12. @o1p3n | Logs: 1647
- 13. @krxstkrxst | Logs: 1573
- 14. @zoro_one | Logs: 1463
- 15. @pak_1111 | Logs: 1442



- Continuous Evolution & Automation in proliferation requires same proactive Automated Detection and Mitigations
- IoCs & YARA rules seem useless due to the sheer volume of infection chains possible in terms of Domains, samples, C2s.
 - Enforcing MFA & Strict session limits (For internal websites)
 - Organizations following BYOD policy should add windows policies locally which can prevent storage of passwords on browser.
 - Regular awareness training.
 - Paid software should be made available.



THANK YOU!