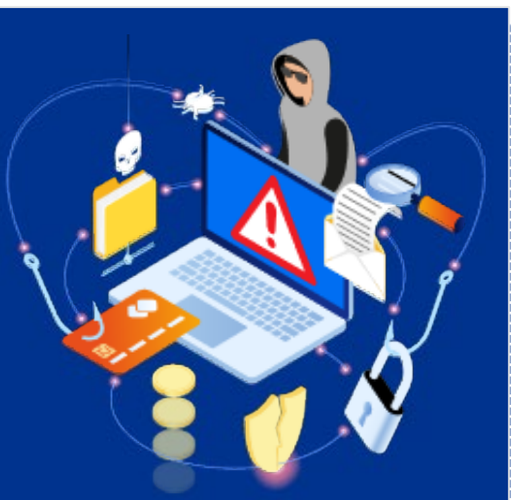
KPMG Cyber Threat Intelligence Platform

Raccoon Stealer Malware V2 - Resurging as a Stealthier Threat



Introduced as a malware-as-a-service in 2019, it quickly gained traction among cybercriminals due to its adaptability. However, in March 2022, its operators abruptly shut down. This hiatus proved temporary as Raccoon Stealer reemerged in June 2022 as version 2, sporting improved infrastructure, heightened capabilities, and enhanced password-stealing functions. Its primary focus is the theft of sensitive user data such as login details, credit card data, cryptocurrency wallets, as well as browser data encompassing history, cookies, and autofill information.

Like its forerunner, Raccoon Stealer v2 spreads via fake software installers or cracked versions of legitimate programs, often circulated through malicious websites or email attachments, tricking victims into downloading and executing them. Once executed, the malware first checks for the presence of other instances to avoid running multiple instances simultaneously. The malware hides essential details, such as configuration specifics and the C2 IP address, by obfuscating strings using methods like Base64 encoding and RC4 encryption. To evade detection by security tools that rely on static analysis, it dynamically resolves imports at runtime. This technique helps the malware avoid being flagged by identifying imported functions, allowing it to operate stealthily in different environments. It establishes communication with a remote C2 server, uses encrypted HTTP POST requests to transmit data such as victim's machine ID, username, and an RC4 decryption key. The C2 server responds with tailored instructions. Further, Raccoon Stealer v2 infiltrates systems, captures valuable information, maintains persistence via scheduled task, and transmits stolen data.

Raccoon Stealer operators can tweak C2 traffic, but unusual network behavior remains harder to hide. Detecting and responding autonomously is key for organizations to stop its advancement.

What should you do?

- Monitor Indicators of Compromise (IoCs) in your environment to identify anomalies.
- Ensure your Windows environment is patched to the brim and is protected with multi-factor authentication.
- Conduct a comprehensive, full spectrum, threat assessment exercise to uncover blind spots and improvement areas.

The KPMG Cyber Threat Intelligence Platform is an industry defining, research-based capability for enhanced visibility into cyber threats.

Our machine ingestible feeds and analysis are the result of automated, sensor-based intelligence metrics with dedicated, expert insights of each threat to provide you the appropriate context on a timely basis in industry standard formats such as STIX/TAXII/MISP.

These feeds are additionally co-related with our industry partners and independent research for additional context. The intelligence obtained is then curated from strategic, tactical and operational perspective to give you a wide-ranging view of cyber threats.

We also assist you with our renowned cyber incident response and threat hunting services in case you identify an active threat in your environment.

We offer a wide-range of services, including:
Strategic threat intelligence report
Machine ingestible threat intelligence feeds
Threat intelligence driven pre-emptive threat hunting exercise
Cyber Incident Response Services

Contact us:

KPMG in India Cyber Response Hotline : +91 9176 471 471

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Indicators of Compromise: IP Addresses	
2.58.56[.]247	55.195.166[.]184
89.39.106[.]64	185.225.19[.]190
109.236.82[.]58	51.195.166[.]175
136.244.65[.]99	178.128.94[.]180
94.158.247[.]24	45.133.216[.]170
179.43.154[.]171	142.132.180[.]233
192.248.184[.]34	

Indicators of Compromise: Domains	
roll-rave[.]site	main-soft[.]site
fall2sleep[.]xyz	heal-brain[.]xyz
tech-lover[.]xyz	violance-rave[.]site
cool-story[.]xyz	

Indicators of Compromise: Hashes
214add3ebdd5b429fda7c00e7f01b864
0cfa58846e43dd67b6d9f29e97f6c53e
1d7d285f77ed5460fe9aada4c04dcfcf
d28ba705f24c9e51564c46aefab26754
6844edfec32e4323ecfedc458f7d3b86
92d3194f6c3511b40def1b3c8f86e585
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