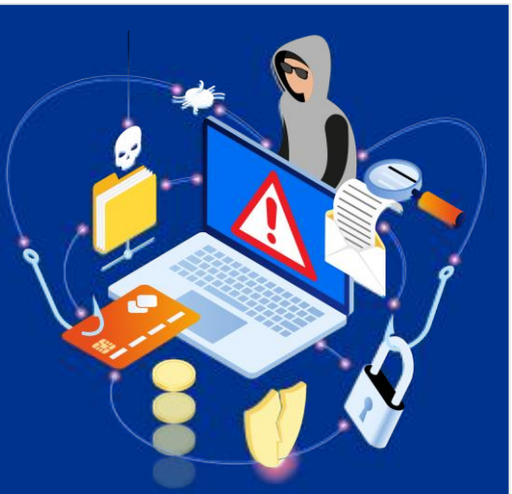
KPMG Cyber Threat Intelligence Platform



Noodle RAT - The Cross-Platform Menace

TLP : Clear

Noodle RAT (aka ANGRYREBEL & Nood RAT) is a complex cross-platform remote access trojan (RAT) used by Chinese-speaking threat actors for espionage and cybercrime. Identified in 2022, it has been active since at least 2016 but was misclassified as variants of Gh0st RAT or Rekoobe. It is notable for its ability to function on both Windows and Linux systems and was observed in various campaigns across countries such as - Thailand, India, Japan, Malaysia, and Taiwan.

Initial access is achieved by delivering loaders via social engineering, and by exploiting vulnerabilities for remote access. For Windows, the payload is deployed using MULTIDROP or MICROLOAD; MULTIDROP delivers the payload directly and MICROLOAD uses Oleview.exe for injection. For Linux, the payload is deployed as an exploit against public-facing applications, copied to /tmp/CCCCCCCC, and process names are modified. For persistence, Windows uses scheduled tasks or registry modifications, while Linux uses process name spoofing by overwriting argv and cron jobs. Communication with C2 for Windows is done by TCP, SSL, and HTTP with RC4 combined with XOR and AND encryption, while for Linux, it uses TCP and HTTP with RC4 and XOR and AND for command processing, and HMAC_SHA1 with AES128-CBC for reverse shell sessions. Commands are executed such as file management, in-memory module execution, and TCP proxying for Windows, and reverse shell, file management, scheduling, and SOCKS tunneling for Linux. Data is exfiltrated using a C2 server and payloads are downloaded for further functionality. Evasion is performed using self-deletion and anti-detection methods on Windows, and process name spoofing on Linux to hide and remove traces of the malware.

NoodleRat's modular design make it a formidable threat, but its impact can be curtailed by vigilant monitoring for unusual network behavior.

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	
42.51.40[.]184	1.117.165[.]141
101.42.139[.]110	

Indicators of Compromise: Hashes
cb131b05dc3e42fad5caeadccbee378b
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