KPMG Cyber Threat Intelligence Platform

Unit 29155 - GRU's Shadows in Cyber Espionage

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Unit 29155, linked to the Russian GRU, has been conducting cyber warfare since 2020, focusing on espionage and sabotage. They deployed WhisperGate malware against Ukraine on 13 January 2022 and compromised critical infrastructure in Western nations. The FBI, NSA, and CISA link them to attempted coups and assassinations in Europe, aiming to destabilize NATO by exploiting digital vulnerabilities. Their targets include government services, financial institutions, transportation systems, energy, and healthcare sectors in NATO, the EU, and select countries in Central America and Asia.

Reconnaissance is conducted by using tools (Acunetix, Nmap, Amass) to scan for open ports and services, gather subdomain information, enumerate AD, and identify vulnerabilities in target networks. Utilizes CVE exploit scripts from GitHub repositories and use them against victim infrastructure. Initial access is obtained by exploiting vulnerabilities in internet-facing systems such as CVE-2021-33044 on Dahua IP cameras, to bypass authentication. Conducts lateral movement by scanning IoT devices with Shodan, exploiting default credentials on vulnerable IP cameras, performing RCE, and dumping plaintext configuration settings and credentials to access other network devices. Executed reverse shells (Netcat, Meterpeter), modified PHP scripts for persistence, exploited SMB vulnerabilities with EternalBlue, and achieved persistence through ProxyChains routed via SOCKS5. Employed VPNs and VPS infrastructure for anonymity, using reverse TCP connections via Meterpeter and ProxyChains for secure routing. DNS tunneling tools (Iodine) and proxies are used for encrypted communication. Rclone is used to compress and exfiltrate data to cloud storage.

Unit 29155's open-source approach poses a formidable challenge for various security agencies to track them down, highlighting the urgent need for cyber resilience and awareness.

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.

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

KPMG in India Cyber Response Hotline: 1800 2020 502

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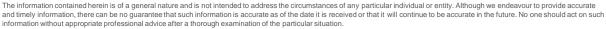












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Indicators of Compromise: IP Addresses	
79.124.8[.]66	179.43.176[.]60
154.21.20[.]82	179.43.187[.]47
194.26.29[.]84	112.51.253[.]153
194.26.29[.]95	90.131.156[.]107
194.26.29[.]98	112.132.218[.]45
45.141.87[.]11	179.43.133[.]202
5.226.139[.]66	179.43.175[.]108
81.17.24[.]130	179.43.189[.]218
194.26.29[.]251	185.245.84[.]227
179.43.142[.]42	185.245.85[.]251
179.43.162[.]55	46.101.242[.]222
179.43.175[.]38	62.173.140[.]223

Indicators of Compromise: Domains	
3237[.]site	interlinks[.]top
smm2021[.]net	

Indicators of Compromise: Hashes

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03af632aa6f87bf9dd4364ee3b612cbb

08dfebc04eb61c9a6d87b6524c1c0f2e

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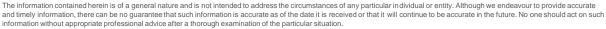












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Indicators of Compromise: Hashes
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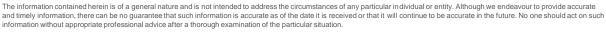












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Indicators of Compromise: Hashes
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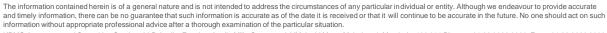












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