

# UPDATE ON THE CYBER DOMAIN

Issue 3/22 (March)

## OVERVIEW

1. Over the past month, even as cyber attacks against Ukraine continued to proliferate, ransomware operators have persisted in their global targeting campaigns against CIIIs. In cyber defence developments, Google observed that vendors were fixing zero-day vulnerabilities faster than before.

### Recent APT Activities

2. Globally, APTs continued to conduct cyber espionage against a range of victims, update their toolsets to avoid detection, as well as conduct disruptive cyber attacks against their traditional adversaries. As part of the ongoing Russia-Ukraine conflict, APT Gamaredon reportedly conducted spear-phishing campaigns to harvest credentials. Separately, APT Charming Kitten was reported to be deploying a new backdoor called PowerLess in its cyber campaigns, whilst APT TunnelVision continued to exploit the Log4j vulnerability to infect unpatched VMware users with ransomware in disruptive attacks.

### Cybersecurity Trends

3. Cyber Attacks targeting Ukraine. Multiple Ukrainian financial, government and defence entities had recently fell victim to waves of Distributed-Denial-of-Service (DDoS) attacks, webpage defacements, data leaks, and destructive wiper malware attacks.

- a. DDoS Attacks. Reportedly conducted between 15 to 18 Feb and on 23 Feb, the DDoS attacks rendered the websites of several Ukrainian government and financial institutions inaccessible. Victims included the websites for the defence and foreign affairs ministries, as well as Ukraine's two national banks, PrivatBank and Oschadbank. Many other Ukrainian entities apparently took their websites offline to avoid becoming victims of DDoS attacks.



# Contact Details

For any queries and/or clarifications, please contact ACICE, at [ACICE@defence.gov.sg](mailto:ACICE@defence.gov.sg).

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# ANNEX A

## News Articles

1. Russian Gamaredon APT Targeting Ukraine Since October  
[Link: [https://securityaffairs.co/wordpress/127729/apt/actinium-gamaredon-ukraine.html?utm\\_source=rss&utm\\_medium=rss&utm\\_campaign=actinium-gamaredon-ukraine](https://securityaffairs.co/wordpress/127729/apt/actinium-gamaredon-ukraine.html?utm_source=rss&utm_medium=rss&utm_campaign=actinium-gamaredon-ukraine)]
2. Cyberspies Linked to Memento Ransomware Use New PowerShell Malware  
[Link: <https://www.bleepingcomputer.com/news/security/cyberspies-linked-to-memento-ransomware-use-new-powershell-malware>]
3. VMware Horizon Servers Are Under Active Exploit by Iranian State Hackers  
[Link: <https://arstechnica.com/information-technology/2022/02/iranian-state-hackers-are-using-log4shell-to-infect-unpatched-vmware-servers/>]
4. Ukrainian military agencies, state-owned banks hit by DDoS attacks  
[Link: <https://www.bleepingcomputer.com/news/security/ukrainian-military-agencies-state-owned-banks-hit-by-ddos-attacks/> ]
5. Ukraine Says It's Targeted by 'Massive Wave of Hybrid Warfare'  
[Link: <https://www.bleepingcomputer.com/news/security/ukraine-says-it-s-targeted-by-massive-wave-of-hybrid-warfare-/>]
6. European Oil Port Terminals Hit by Cyberattack  
[Link: <https://www.securityweek.com/european-oil-port-terminals-hit-cyberattack>]
7. BlackByte Ransomware Attacks Target U.S. Critical Infrastructure, FBI Warns  
[Link: [https://cyware.com/news/blackbyte-ransomware-attacks-target-us-critical-infrastructure-fbi-warns-c639cd32/?web\\_view=true](https://cyware.com/news/blackbyte-ransomware-attacks-target-us-critical-infrastructure-fbi-warns-c639cd32/?web_view=true)]

8. BlackCat (ALPHV) Ransomware Linked to BlackMatter, DarkSide Gangs  
[Link: <https://www.bleepingcomputer.com/news/security/blackcat-alphv-ransomware-linked-to-blackmatter-darkside-gangs/>]
9. FBI Shares Lockbit Ransomware Technical Details, Defense Tips  
[Link: <https://www.bleepingcomputer.com/news/security/fbi-shares-lockbit-ransomware-technical-details-defense-tips/>]
10. Google Project Zero: Vendors Are Now Quicker at Fixing Zero-Days  
[Link: <https://www.bleepingcomputer.com/news/security/google-project-zero-vendors-are-now-quicker-at-fixing-zero-days/>]