

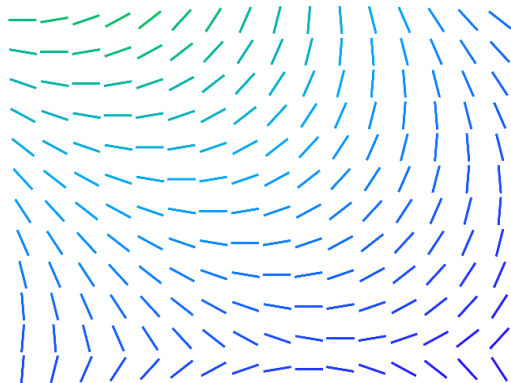
Trellix Global Defenders: Cyberattacks Targeting Ukraine and HermeticWiper Protections

trellix.com/en-us/about/newsroom/stories/threat-labs/defenders-blog-on-cyberattacks-targeting-ukraine.html



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**Threat
Intelligence**

By [Taylor Mullins](#) · February 28, 2022

Trellix is monitoring the ongoing cyberattacks targeting the Ukraine and any threat activity targeting entities outside of the Ukraine. Trellix is continuing to add protections to our products via the Global Threat Intelligence (GTI) feed and content updates as new malware variants and behavior indicators are discovered. The Trellix Advanced Programs Group (APG) is also monitoring the threat actors currently targeting the Ukraine and the threat tools being observed in those attacks, monitoring for usage of these tools in your environment can be a proactive step in detecting compromise of your infrastructure.

Analysis from the Trellix Advanced Threat Research (ATR) team into the activity of wipers being deployed within the Ukraine leads them to believe that there is a likely a connection between Whispergate, and the newly identified HermeticWiper.

Last 30 days – Threat Activity in the Ukrainian Region

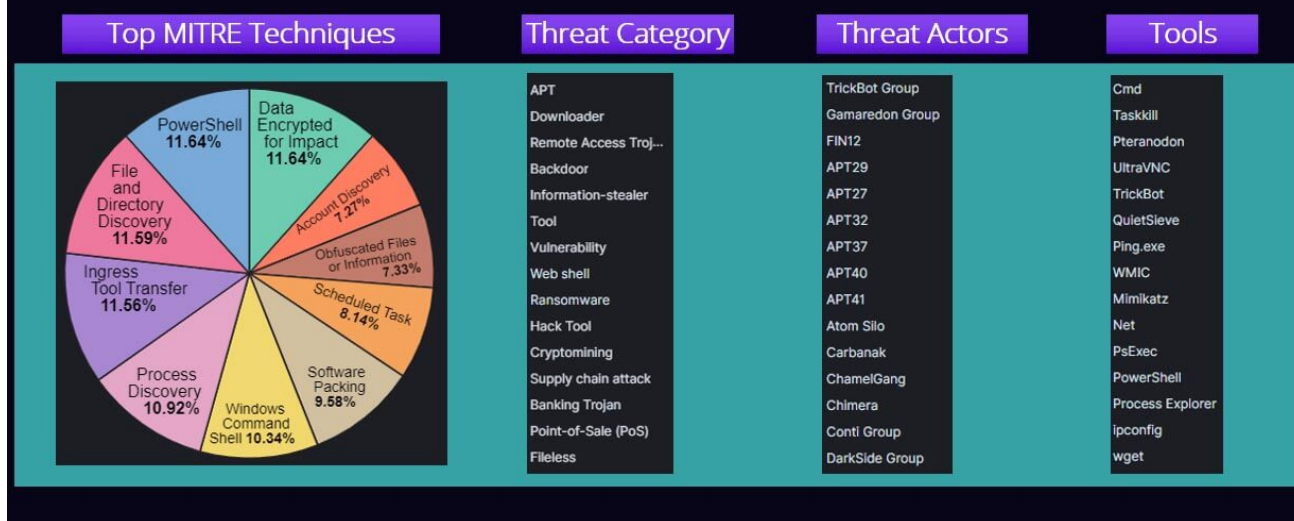


Figure 1. Breakdown of Activity in the Ukrainian Region in the past 30 Days. Source: Trellix APG Team

Recommended Steps to Prevent Initial Access

Organizations should look to review the Initial Access Tactics, techniques, and procedures (TTPs) associated with Russian nation state activity to proactively protect their environment from infiltration.

- Phishing/Spearphishing attacks utilizing shortened URLs of malicious domains.
- Monitor for brute force activity to identify valid account credentials and Microsoft 365 Accounts.
- Enable multifactor authentication (MFA) for all users, without exception.
- Exploiting Public Facing Systems – CISA maintains a full list of CVEs that are known to be exploited: [CISA: KNOWN EXPLOITED VULNERABILITIES CATALOG](#)
- Disabling all ports and protocols that are not essential, especially anything related to remote services.
- unt and block open-source tools not related to business activities that have been seen in prior attacks – UltraVNC, AdvancedRun, wget, and Impacket

Trellix Protections for the HermeticWiper Malware

Trellix is currently monitoring the latest wiper malware dubbed "HermeticWiper" that has been observed in attacks against the Ukraine. Trellix Global Threat Intelligence (GTI) is currently protecting against all known indicators associated with "HermeticWiper" and MVISION Insights will note detections in your environment as well.

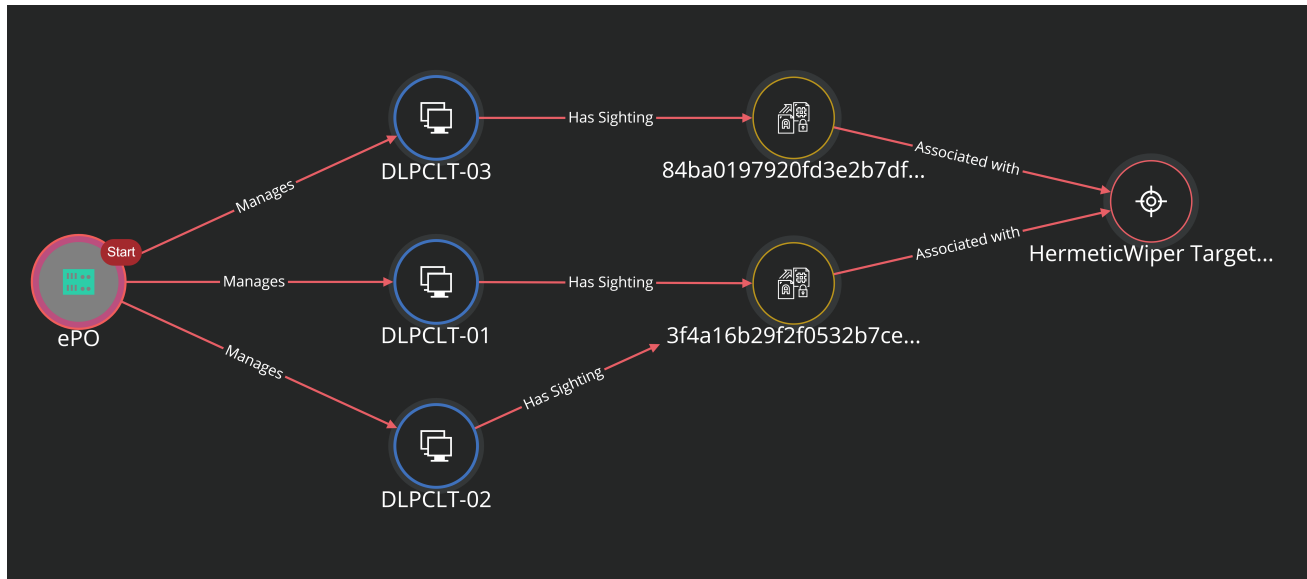


Figure 2. Test system detections of HermeticWiper IOCS. Source: MVISION Insights

DLPCLT-03 Detection Timeline: Past 180 days Detection Date: 28 Aug, 2021 - 24 Feb, 2022

Search for IOCs View All

Showing 1-1 out of 1 rows |< < 1 > >| Show 25 rows

File Name	Feb 24, 2022 8:30 AM -06:00
0385eeab00e946a302b24a91dea4187c1210597...	

Event Details

Campaign	HermeticWiper Targeting Ukraine
Status	Resolved

Basic Properties

Primary Actor MD5	--
MD5	84ba0197920fd3e2b7dfa719fee09d2f
SHA256	0385eeab00e946a302b24a91dea4187c1210597b8e17cd9e2230450f5ece21da
File Path	C:\Users\McAfee\Downloads\0385eeab00e946a302b24a91dea4187c1210597b8e17cd9e2230450f5ece21da.exe
File Name	0385eeab00e946a302b24a91dea4187c1210597b8e17cd9e2230450f5ece21da.exe
PE Product Name	--
PE Product Version	--
PE Publisher Name	--

Detection Details

Product Name	ENS
Product Version	10.7.0.3437
AMCore Content Version	--

IOC Details

IOCs MD5 : 84ba0197920fd3e2b7dfa719fee09d2f

Figure 3. Event details of successful containment of HermeticWiper by ENS.

HermeticWiper Threat Intelligence from MVISION Insights

MVISION Insights will provide the current threat intelligence and known indicators for HermeticWiper. MVISION Insights will alert to detections and process traces that have been observed and systems that require additional attention to prevent widespread infection. MVISION Insights will also include Hunting Rules for threat hunting and further intelligence gathering of the threat activity and adversary behind the campaign.

MVISION Insights Campaign Names: HermeticWiper Targeting Ukraine

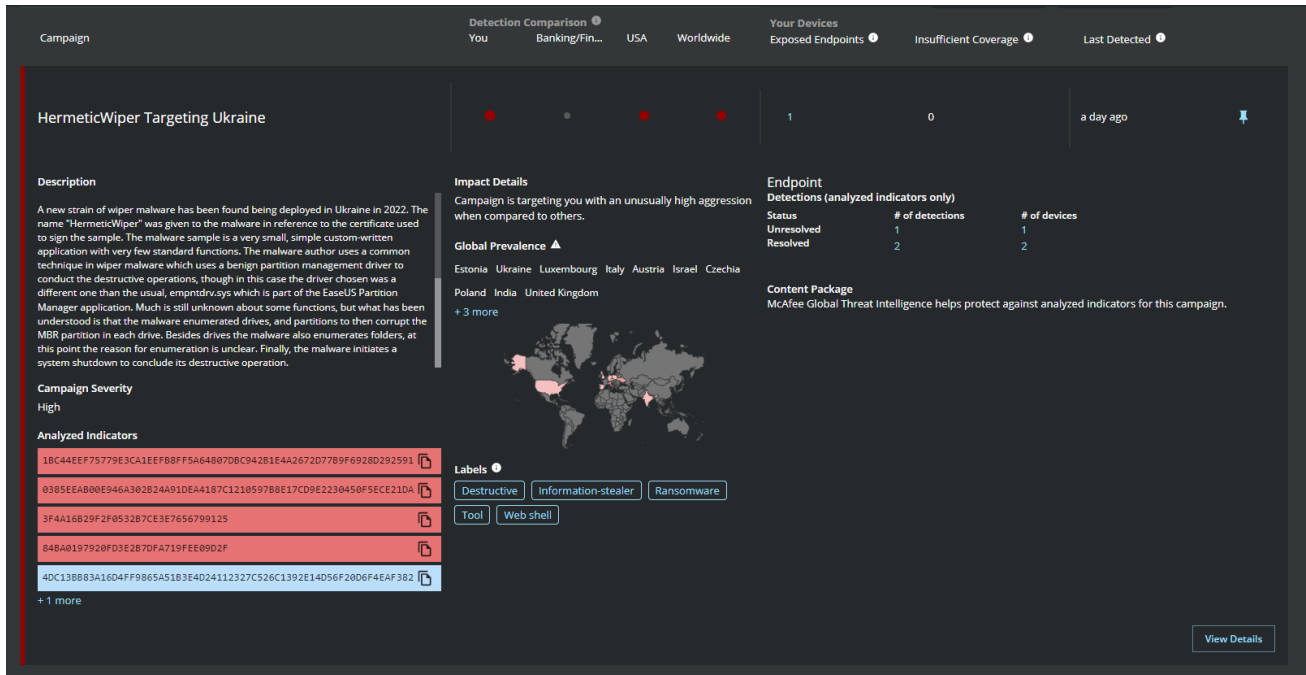


Figure 4. HermeticWiper campaign description and detections

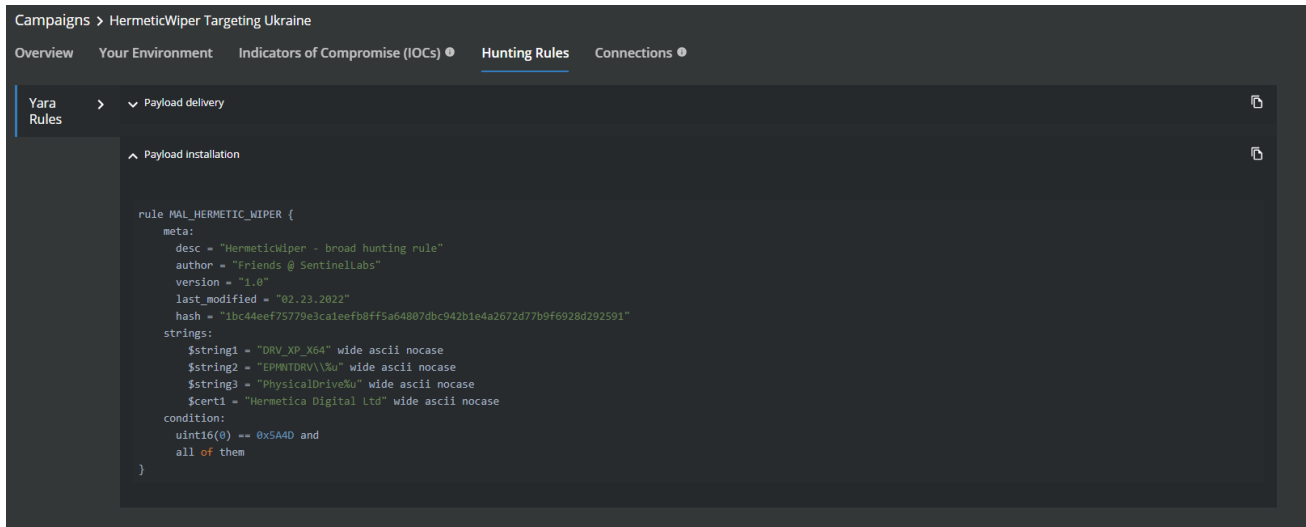


Figure 5. Hunting Rules for HermeticWiper Malware

ATT&CK Matrix for Enterprise

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Command and Control	Exfiltration	Impact
Spearphishing Attachment	Malicious File	Office Template Macros	Scheduled Task	Code Signing	OS Credential Dumping	Browser Bookmark...	Application Access Token	Archive Collected Data	Application Layer Protocol	Automated Exfiltration	Data Destruction
Cloud Accounts	Native API	Scheduled Task	Shortcut Modification	Deobfuscate/Decr Files or...	Steal Web Session Cookie	File and Directory...	Component Object Model an...	Archive via Custom Method	Asymmetric Cryptography	Data Transfer Size Limits	Data Encrypted...
Compromise Hardware...	PowerShell	Shortcut Modification	Windows Service	File Deletion	/etc/passwd and /etc/shadow	Process Discovery	Distributed Component...	Archive via Library	Bidirectional Communication	Exfiltration Over Alternative Protocol	Disk Structure...
Compromise Software...	Scheduled Task	Web Shell	.bash_profile and .bashrc	Modify Registry	ARP Cache Poisoning	Query Registry	Exploitation of Remote Services	Archive via Utility	Commonly Used Port	Exfiltration Over Asymmetric...	Inhibit System...
Compromise Software Suppl...	Windows Command Shell	Windows Service	Abuse Elevation Control Mechanism	Obfuscated Files or Information	AS-REP Roasting	System Information...	Internal Spearphishing	ARP Cache Poisoning	Communication Through...	Exfiltration Over Bluetooth	System Shutdown/R...
Default Accounts	AppleScript	.bash_profile and .bashrc	Access Token Manipulation	Rundll32	Bash History	Account Discovery	Lateral Tool Transfer	Audio Capture	Connection Proxy	Exfiltration Over C2 Channel	Account Access...
Domain Accounts	At (Linux)	Accessibility Features	Accessibility Features	Abuse Elevation Control...	Brute Force	Application Window...	Logon Scripts	Automated Collection	Data Encoding	Exfiltration Over Command and...	Application Exhaustio...
Drive-by Compromise	At (Windows)	Account Manipulation	AppCert DLLs	Access Token Manipulation	Cached Domain Credentials	Cloud Account	Pass the Hash	Clipboard Data	Data Obfuscation	Exfiltration Over Other Network...	Application or System...
Exploit Public-Facing...	Command and Scripting...	Add Office 365 Global Administrat...	Appinit DLLs	Application Access Token	Cloud Instance Metadata API	Cloud Groups	Pass the Ticket	Confluence	Dead Drop Resolver	Exfiltration Over Physical Medium	Data Manipulator
External Remote	Command-Line	Add-ins	Application	Asynchronous	Credential API	Cloud	RDP Hijackin	Credential API	DNS	Exfiltration Over	Defacement

Figure 6. MITRE ATT&CK Framework for HermeticWiper Malware

Detecting Malicious Activity with MVISION EDR

MVISION EDR is currently monitoring for the activity associated with HermeticWiper and will note the MITRE techniques and any suspicious indicators related to the adversarial activity. Detecting and preventing HermeticWiper from spreading throughout your environment is critical due to the destructive nature of the malware, once the HermeticWiper has infected a system it will remove the System Drivers and Windows files leaving the system inoperable.

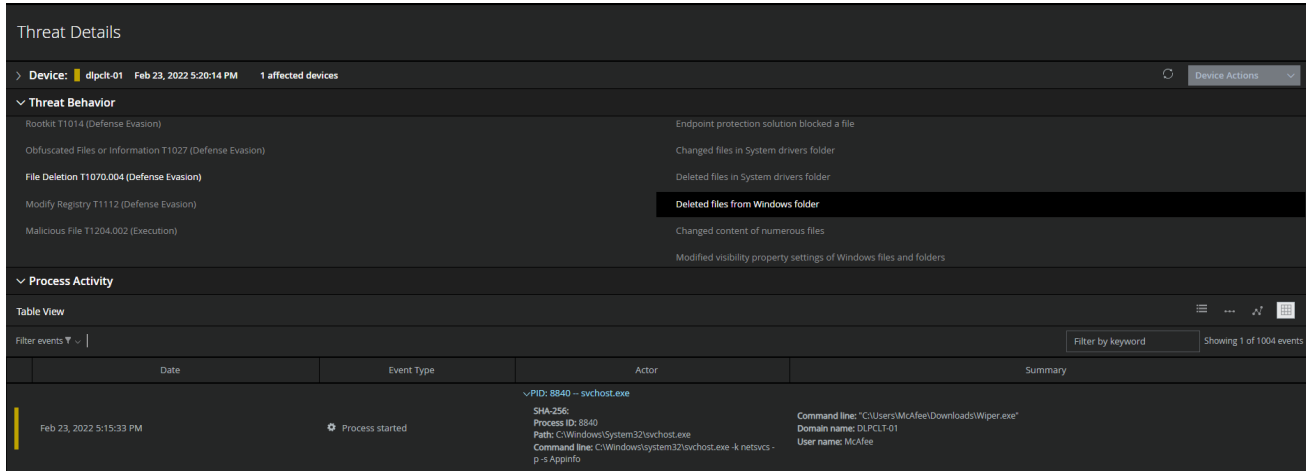


Figure 7. MITRE Techniques and Threat Behavior noting deletion of System Drivers and Windows files



Figure 8. Once the deletion of data is complete, a reboot executes, and the system is no longer operable

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