Report on Volatile Cedar

Overview

Volatile cedar is an intrusion-set, which operates also under the name of Volatile Cedar and Lebanese Cedar. The primary motivation of the set is information theft and espionage, followed by information theft and espionage. It was observed for the first time on 8 February 2021 and for the last time on 20 April 2022. The description of Volatile Cedar is: [Volatile Cedar] is a Lebanese threat group that has targeted individuals, companies, and institutions worldwide. [Volatile Cedar] has been operating since 2012 and is motivated by political and ideological interests.

Stats

The group is related to these malwares:
- 6 backdoors (Caterpillar, JuicyPotato, RottenPotato, SharPyShell, ASPXSpy and Explosive)
- 2 downloaders (Caterpillar and SharPyShell)
- 2 info stealers (Caterpillar and Explosive)
- 1 reconnaissance (Caterpillar)

It is related to these tools:
- 2 reconnaissances (DirBuster and GoBuster)

Volatile cedar is related to these attack-patterns:
- 1 command-and-control (T1105 - Ingress Tool Transfer)
- 1 initial-access (T1190 - Exploit Public-Facing Application)
- 1 persistence (T1505.003 - Web Shell)
- 2 reconnaissances (T1595.003 - Wordlist Scanning and T1595.002 - Vulnerability Scanning)

Relationships

Volatile Cedar

Volatile cedar targets these identities [Unknown Government] and [Unknown Education] and these locations Jordan and United States. The group uses these malwares Caterpillar WebShell and Explosive and this tool Adminer. It uses this attack-pattern T1505.003 - Web Shell.

Caterpillar WebShell

The malware uses this attack-pattern T1110 - Brute Force. It is used by this intrusion-set Volatile Cedar.

Mitre Matrix

Source	Name	Tactic	ATT&CK Code	Description
Volatile Cedar	T1505.003 - Web Shell	persistence		Adversaries may backdoor web servers with web shells to establish persistent access to systems. A Web shell is a Web script that is placed on an openly accessible Web server to allow an adversary to use the Web server as a gateway into a network. A Web shell may provide a set of functions to execute or a command-line interface on the system that hosts the Web server.(Citation: volexity_0day_sophos_FW) In addition to a server-side script, a Web shell may have a client interface program that is used to talk to the Web server (e.g. [China Chopper](https://attack.mitre.org/software/S0020) Web shell client).(Citation: Lee 2013)
Caterpillar WebShell	T1110 - Brute Force	credential-access		Adversaries may use brute force techniques to gain access to accounts when passwords are unknown or when password hashes are

				obtained. Without knowledge of the password for an account or set of accounts, an adversary may systematically guess the password using a repetitive or iterative mechanism. Brute forcing passwords can take place via interaction with a service that will check the validity of those credentials or offline against previously acquired credential data, such as password hashes. Brute forcing credentials may take place at various points during a breach. For example, adversaries may attempt to brute force access to [Valid Accounts](https://attack.mitre.org/techniques/T1078) within a victim environment leveraging knowledge gathered from other post-compromise behaviors such as [OS Credential Dumping](https://attack.mitre.org/techniques/T1003), [Account Discovery](https://attack.mitre.org/techniques/T1087), or [Password Policy Discovery](https://attack.mitre.org/techniques/T1201). Adversaries may also combine brute forcing activity with behaviors such as [External Remote Services](https://attack.mit

				re.org/techniques/T1133) as part of Initial Access.

IOCs

Source	Type	Value
Volatile Cedar	ipv4-addr	23.29.115.180

Useful Resources

Useful material to know better the group can be found at: https://attack.mitre.org/groups/G0123, https://www.clearskysec.com/wp-content/uploads/2021/01/Lebanese-Cedar-APT.pdf and https://media.kasperskycontenthub.com/wp-content/uploads/sites/43/2015/03/20082004/volatile-cedar-technical-report.pdf.