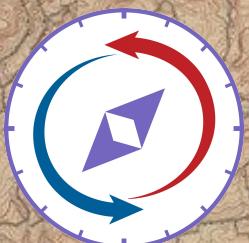


GRIMMCon 0x7



Control Validation Compass



Intelligence for Improved Security Validation

Scott Small

Cybersecurity practitioner /
consultant / therapist /
field guide

OSINT & tech for risk reduction

twitter.com/IntelScott

github.com/TropChaud





MITRE ATT&CK™

Catalog of adversary behavior



Ends

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement
Drive-by	and Scripting Interpreter	Account Manipulation	Access Elevation Control Mechanism	Access Elevation Control Mechanism	Adversary in the Middle	Account Discovery	Exploitation of Remote Services
Compromised Public Facing Application	Container Administration Command	BITS Jobs	Access Token Manipulation	Access Token Manipulation	Brute Force	Application Window Discovery	Internal Spearphishing
External Remote Services	Deploy Container	Boot or Logon Autostart Execution	Boot or Logon Initialization Scripts	BITS Jobs	Credentials from Password Stores	Browser Bookmark Discovery	Lateral Tool Transfer
Hardware Additions	Exploitation for Client Execution	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Build Image on Host	Exploitation for Credential Access	Cloud Infrastructure Discovery	Remote Service Session Hijacking
Phishing	Inter-Process Communication	Browser Extensions	Create or Modify System Process	Debugger Evasion	Forced Authentication	Cloud Service Dashboard	Remote Services
Replication through Removable Media	Nativia API	Compromised Client Software Binary	Domain Policy Modification	DeobfuscateDecode Hives or Information	Forge Web Credentials	Cloud Service Discovery	Replication through Removable Media
Supply Chain Compromise	Scheduled Task/Job	Create Account	Escape to Host	Deploy Container	Input Capture	Cloud Storage Object Discovery	Software Deployment Tools
Trusted Relationship	Shared Modules	Create or Modify System Process	Event Triggered Execution	Direct Volume Access	Modify Authentication Process	Container and Resource Discovery	Train Shared Content
Valid Accounts	Software Deployment Tools	Event Triggered Execution	Exploitation for Privilege Escalation	Domain Policy Modification	Multi-Factor Authentication Interception	Debugger Evasion	User Alternative Authentication Material
	System Services	External Remote Services	Hijack Execution Flow	Execution Guardrails	Multi-Factor Authentication Request Generation	Domain Trust Discovery	
	User Execution	User Hijack	Process Injection	Exploitation for Defense Evasion	Network Sniffing	Files and Directory Discovery	
	Windows Management Instrumentation	Implant Internal Image	Scheduled Task/Job	File and Directory Permissions Modification	OS Credential Dumping	Group Policy Discovery	
		Modify Authentication Process	Valid Accounts	Hide Artifacts	Steal Application Access Token	Network Service Discovery	
		Office Application Startup		Hijack Execution Flow	Steal or Forge Kerberos Tickets	Network Share Discovery	
		Pre OS Root		Impair Defenses	Steal Web Session Cookies	Network Sniffing	
		Scheduled Task/Job		Indicator Removal on Host	Unsecured Credentials	Password Policy Discovery	
		Server Software		Indirect Command	Credentials	Peripheral	

Means



Hunting for Post-Exploitation Stage Attacks with Elastic Stack and the MITRE ATT&CK Framework:

<https://www.youtube.com/watch?v=PdCQChYrxXg>

Reconnaissance	Resource Development	Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Command and Control	Exfiltration	Impact
Active Scanning	Acquire Infrastructure	Drive-by Compromise	Command and Scripting Interpreter	Abuse Elevation Control Mechanism	Abuse Elevation Control Mechanism	Brute Force	Account Discovery	Exploitation of Remote Services	Archive Collected Data	Application Layer Protocol	Automated Exfiltration	Account Access Removal	
Gather Victim Host Information	Compromise Accounts	Exploit Public-Facing Application	Code Injection	Access Token Manipulation	Access Token Manipulation	Credentials from Password Stores	Application Window Discovery	Internal Spearphishing	Audio Capture	Layer Protocol	Data Transfer	Data Destruction	
Gather Victim Identity Information	Compromise Infrastructure	External Remote Services	Administrator Command	BITS Jobs	BITS Jobs	Exploiters for Credential Access	Browser Bookmark Discovery	Lateral Tool Transfer	Automated Collection	Communication Through Removable Media	Size Limits	Encryption for Impact	
Gather Victim Network Information	Develop Capabilities	Hardware Additions	External Logon Autostart Execution	Browser Extensions	Build Image on Host	Forced Authentication	Cloud Infrastructure Discovery	Clipboard Data	Data Encoding	Over Alternative Protocol	Exfiltration Over C2 Channel	Exfiltration for Impact	
Gather Victim Org Information	Establish Accounts	Inter-Process Communication	External Logon Initialization Scripts	Create or Modify System Process	Decompress/Decompress Files or Archives	Forge Web Credentials	Cloud Service Dashboard	Remote Services	Data Obfuscation	Over Other Network Medium	Exfiltration Over Physical Medium	Data Manipulation	
Phishing for Information	Phishing	Native API	Comprromise Client Software Binary	Domain Policy Modification	Deploy Container	Input Capture	Cloud Service Discovery	Dynamic Resolution	Data from Cloud Storage Object	Over Web Service	Defacement	Disk Wipe	
Search Closed Sources	Obtain Capabilities	Scheduled Task/Job	Create Account	Escape to Host	Direct Volume Access	Man-in-the-Middle	Container and Resource Discovery	Taint Shared Content	Data from Configuration Repository	Scheduled Transfer	Endpoint Denial of Service	Firmware Corruption	
Search Open Technical Databases	Stage Capabilities	Shared Modules	Create or Modify System Process	Event Triggered Execution	Domain Policy Modification	Malicious Authentication Process	Domain Trust Discovery	Data from Local System	Data from Information Repositories	Transfer Data to Cloud Account	File Corruption	Network Denial of Service	
Search Open Websites/Domains	Trusted Relationship	Software Deployment Tools	Event Triggered Execution	Exploitation for Privilege Escalation	Execution Guardrails	Execution Sniffing	File and Directory Discovery	Data from Network Shared Drive	Data from Network Shared Drive	Multi-Stage Channels	Infect System Recovery	Resource Hijacking	
Search Victim-Owned Websites	Valid Accounts	System Services	External Remote Services	Hijack Execution Flow	Hijack Execution Flow	OS Credential Dumping	Network Service Scanning	Data from Removable Media	Data from Removable Media	Non-Application Layer Protocol	Non-Standard Port	Service Stop	
		User Execution	Hijack Execution Flow	Process Injection	Hide Artifacts	Real Application Access Token	Network Share Discovery	Data Staged	Data from Standard Port	Protocol Tunneling	Protocol Hijacking	System Shutdown/Reboot	
		Windows Management Instrumentation	Implant Internal Image	Scheduled Task/Job	Hijack Execution Flow	Steal or Forge Kerberos Tickets	Network Sniffing	Email Collection	Remote Access Software	Proxy	Remote Access Software	Service Stop	
			Modify Authentication Process	Valid Accounts	Impair Defenses	Steal Web Session Cookie	Password Policy Discovery	Input Capture	Traffic Signaling	Traffic Signaling	Traffic Signaling	System Shutdown/Reboot	
			Office Application Startup		Indicator Removal on Host	Two-Factor Authentication Interception	Peripheral Device Discovery	Man in the Browser	Web Service	Screen Capture	Web Service		
			Pre-OS Boot		Indirect Command Execution	Unsecured Credentials	Persistence Group Discovery	Man in the Middle		Video Capture			
			Scheduled Task/Job		Masquerading	Process Discovery	Query Registry						
			Server Software Component		Modify Authentication Process	Registry Discovery	Remote System Discovery						
			Traffic Signaling		Modify Cloud Compute Infrastructure	Software Discovery	System Application Discovery						
			Valid Accounts		Modify Registry	System Location Discovery	System Location Discovery						
					Modify System Image	System Network Configuration Discovery	System Network Configuration Discovery						
					Network Boundary Bridging	System Network Connections Discovery	System Network Connections Discovery						
					Obfuscated Files or Information	System Owner/User Discovery	System Service Discovery						
					Pre-OS Boot	System Time Discovery							
					Process Injection								
					Rogue Domain								



Attack Surface Map										Impact		
Reconnaissance	Resource Development	Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Command and Control	Exfiltration
Active Scanning	Acquire Infrastructure	Drive-by Compromise	Command and Scripting Interpreter	Account Manipulation	Abuse Elevation Control Mechanism	Brute Force	Account Discovery	Exploitation of Remote Services	Archive Collected Data	Application Layer Protocol	Automated Exfiltration	
Gather Victim Host Information	Compromise Accounts	Exploit Public-Facing Application	Code Injection	BITS Jobs	Access Token Manipulation	Credentials from Password Stores	Application Window Discovery	Internal Spearphishing	Audio Capture	Layer Protocol	Account Access Removal	
Gather Victim Identity Information	Compromise Infrastructure	External Administration Command	Deploy Container	Root or Logon Autostart Execution	Exploit for Credential Access	Browser Bookmark Discovery	Cloud Infrastructure	Lateral Tool Transfer	Automated Collection	Data Transfer	Data Destruction	
Gather Victim Network Information	Develop Capabilities	External Remote Services	Deploy Container	Boot or Logon Initialization Scripts	Forced Authentication	Cloud Infrastructure	Clipboard Data	Remote Service Session Monitoring	Data Encoding	Over Alternative Protocol	Data Encrypted for Impact	
Gather Victim Org Information	Establish Accounts	Hardware Additions	Inter-Process Communication	Create or Modify System Process	Decoy File or Registry Key	Browser Bookmark Discovery	Obfuscation	Search & Reporting	Data Obfuscation	Over C2 Channel	Data Manipulation	
Phishing for Information	Phishing	Replication Through Removable Media	Native API	Comprise Client Software Binary	Domain Policy Modification	Brute Force	Cloud Infrastructure	New Search	Save As ▾	Create Table View	Close	
Search Closed Sources	Obtain Capabilities	Supply Chain Compromise	Scheduled Task/Job	Create Account	Access Token Manipulation	Credentials from Password Stores	Discovery	Last 24 hours ▾	Last 24 hours ▾	Last 24 hours ▾	Last 24 hours ▾	
Search Open Technical Databases	Stage Capabilities	Trusted Relationship	Shared Modules	Escape to Host	Abuse Elevation Control Mechanism	Brute Force	Exploitation of Remote Services	Search & Reporting	Search & Reporting	Search & Reporting	Search & Reporting	
Search Websites/Domains	Valid Accounts	Software Deployment Tools	System Services	Event Triggered Execution	Access Token Manipulation	Cloud Infrastructure	Internal Spearphishing	Analytics	Analytics	Analytics	Analytics	
Search Victim-Owned Websites	User Execution	System Services	User Execution	Event Triggered Execution	Exploit for Credential Access	Cloud Infrastructure	Archive Collected Data	Datasets	Datasets	Datasets	Datasets	
	Windows Management Instrumentation	User Execution	Windows Management Instrumentation	Impair Defense	Forced Authentication	Cloud Infrastructure	Audio Capture	Reports	Reports	Reports	Reports	
				Pre-OS Boot	Decoy File or Registry Key	Network Share Discovery	Data Staged	Alerts	Alerts	Alerts	Alerts	
				Scheduled Task/Job	Hide Artifacts	Network Sniffing	Email Collection	Dashboards	Dashboards	Dashboards	Dashboards	
				Server Software Component	Hijack Execution Flow	Passive Privacy Discovery	Input Capture					
				Traffic Signaling	Two-Factor Authentication Interception	Peripheral Device Discovery	Man in the Browser					
				Valid Accounts	Impair Defense	Unsecured Credentials	Man-in-the-Middle					
							Resource Hijacking					
							Protocol Stop					
							System Shutdown/Reboot					

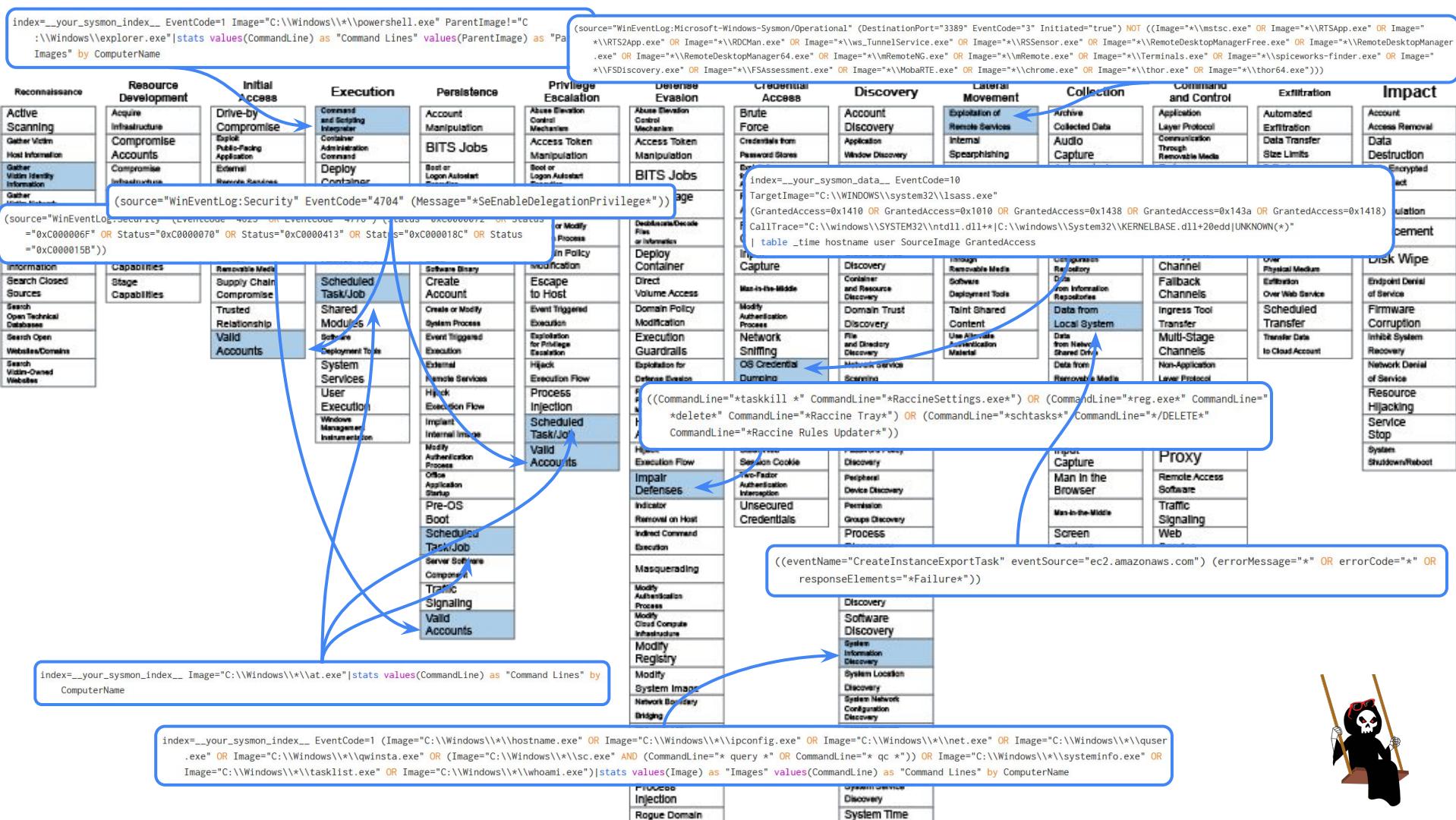
New Search

```
((CommandLine="*taskkill *" CommandLine="*RaccineSettings.exe*") OR (CommandLine="*reg.exe*" CommandLine="delete" CommandLine="*Raccine Tray*") OR (CommandLine="*schtasks*" CommandLine="/DELETE" CommandLine="*Raccine Rules Updater*"))
```

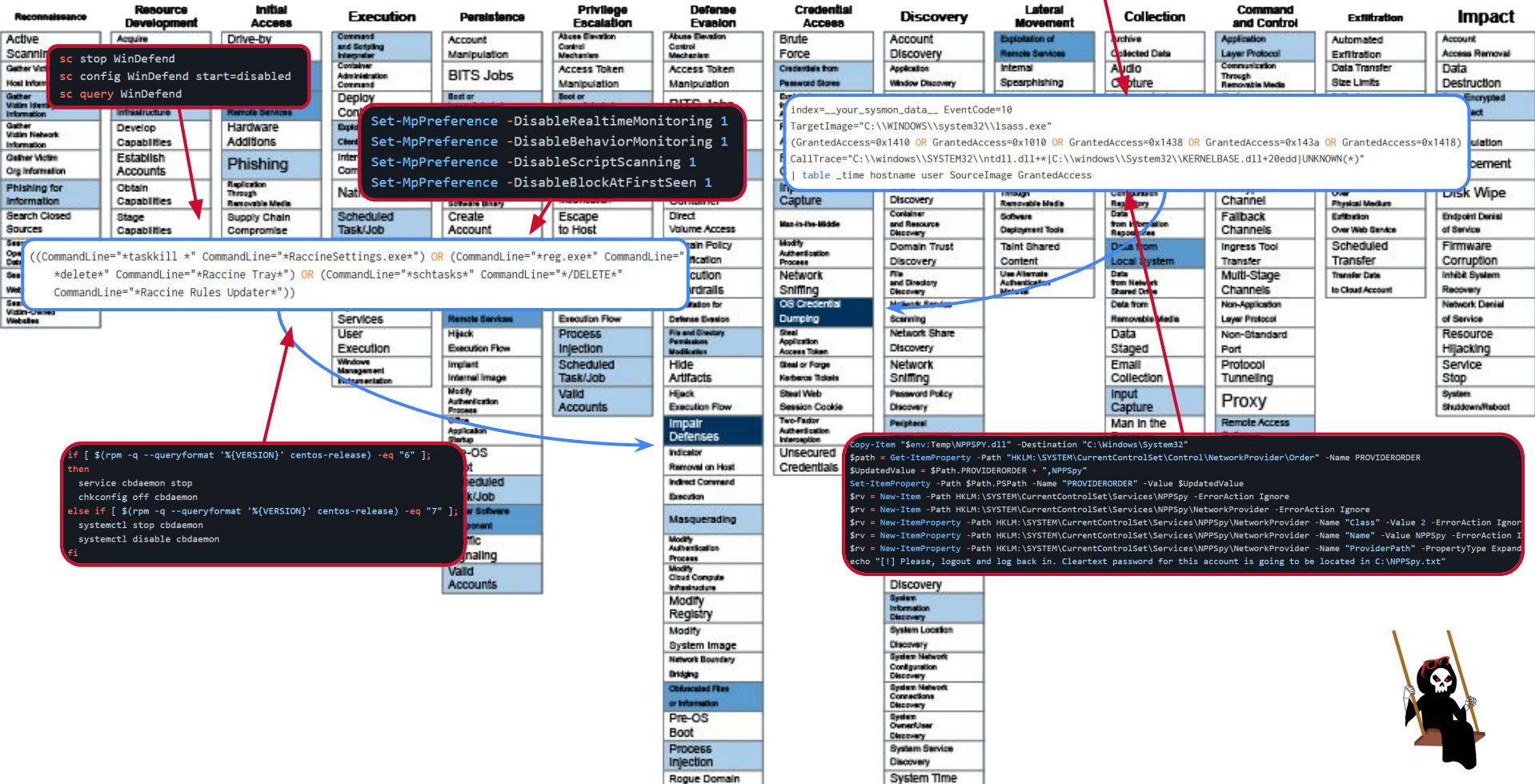
> Search & Reporting

Last 24 hours ▾

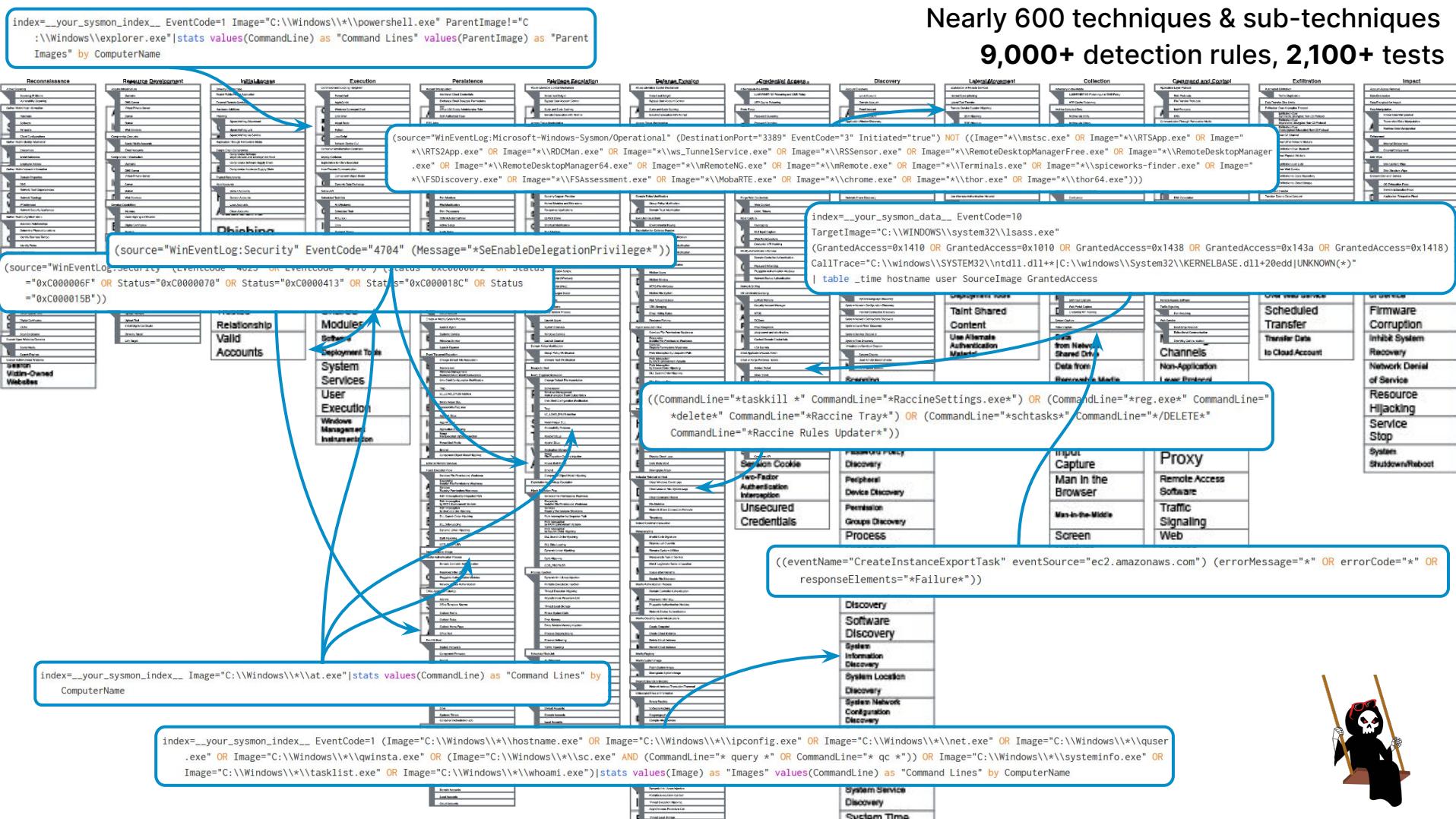




```
$ps = (Get-NetTCPConnection -LocalPort 3389 -State Established -ErrorAction Ignore)
if($ps){$id = $ps[0].OwningProcess} else {$id = (Get-Process svchost)[0].Id}
C:\Windows\System32\rundll32.exe C:\windows\System32\comsvcs.dll, MiniDump $id $env:TEMP\svchost.exe.dmp full
```



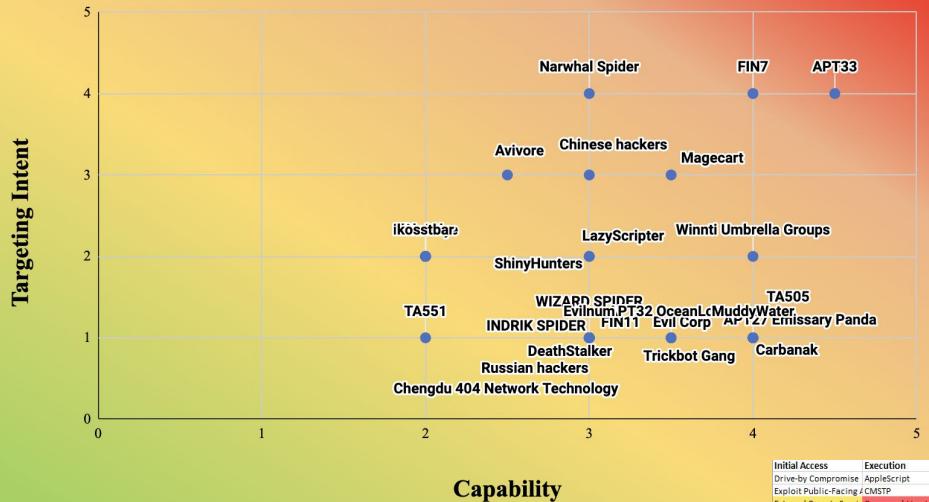
Nearly 600 techniques & sub-techniques
9,000+ detection rules, 2,100+ tests



Prioritizing Detections: Risk Profiling



CLIENT and Industry Top Priority Threat Actors



Resistance Isn't Futile - Katie Nickels (Shmoocon 2020):

<https://www.youtube.com/watch?v=b0ShMaKDIDU>

	Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Command And Control	Exfiltration	Impact
Drive-by Compromise	Appliescript	bash_profile and bashrc Token Manipulation	Access Token Manipulation	Account Manipulation	Autentication	Appliescript	Application Discovery	Automated Collection	Audio Capture	Automated Collection	Data Access Removal	Data Destruction
Exploit Public-Facing / C2TP		Accessibility Features	Accessibility Features	Binary Padding	Batch History		Application Windows	Application Deployment	Communication Thru Data Compressed	Communication Thru Data Compressed	Data Compressed	Data Destruction
External Remote Service/Command-line Interface		Account Manipulation	AppCrt DLLs	BITS Jobs	Brute Force	Browser Bookmark	Component Object Model	Clipboard Data	Connection Proxy	Custom Command and Data Transfer	Defacement	Defacement
Hardware Additions	Compiled HTML File	AppCrt DLLs	Application Shimming	Clear Command Histor	Credentials from Web	File and Directory	File Internal Spearphishing	File System	File Transfer	File Transfer	File Transfer	File Transfer
Replication Through Component Object Model	AppCrt DLLs	Application Shimming	Bypass User Account Control	CMSTP	Credentials in Files	File Network Service Scan	File Logon Scripts	File Pass The Hash	File Staged	File Staged	File Staged	File Staged
Spearphishing Attached Control Panel Items		Application Shimming	Bypass User Account Control	CMSTP	Credentials in Registry	Network Share	Network Sniffing	Pass the Hash	Domain Fronting	Domain Fronting	Domain Fronting	Domain Fronting
Spearphishing Link	DYNAMIC DATA EXCHANG	Authentication Packag	DLL Search Order Hijack	Code Signing	Execution Guardrails	Network Sniffing	Pass The Ticket	Network Sniffing	Data Stage	Data Stage	Data Stage	Data Stage
Spearphishing via Serv Execution through API	BITS Jobs	DLL Hijacking	DLL Hijacking	Component After Delivery	Exploitation for Crede	Network Sniffing	Pass The Ticket	Pass The Ticket	Domain Generation AI	Domain Generation AI	Domain Generation AI	Domain Generation AI
Supply Chain Comprom	Execution through Mox Bootstr	Elevated Execution with Compiled HTML File	Force Authentication	Forceful Desktop Proto	Forced Desktop Proto	File Email Collection	File Input Capture	File Peripheral Device Disc	File Remote File Copy	File Remote File Copy	File Remote File Copy	File Remote File Copy
Trusted Relationship	Exploration for Client Brower Extensi	Emond	Component Firmware	Hooking	Input Capture	Input Capture	Input Peripheral Device Disc	Input Remote File Copy	Input Remote File Copy	Input Remote File Copy	Input Remote File Copy	Input Remote File Copy
Valid Accounts	Graphics User Interface Change Default File	Group Policy for Previous Object Model	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects	Group Policy Objects
InstaUAC	Component Firmware	Extra Window Memori	Connection Prox	Trust Prompt	Http Headers	Http Headers	Http Man in the Browser	Http Multi-Stage	Http Multi-Stage	Http Multi-Stage	Http Multi-Stage	Http Multi-Stage
Launchcht!	Component Object Model	Control Panel Item	Control Panel Item	Kerberos	Query Registry	Query Registry	Query Screen Capture	Query Replication Through R	Query Replication Through R	Query Replication Through R	Query Replication Through R	Query Replication Through R
Local Job Scheduling	Create Account	Hooking	Hooking	Keychain	Shared Webroot	Shared Webroot	Shared Webroot	Shared Webroot				
LSASS Driver	DLL Search Order Hijack	Image File Execution C	Obfuscate/Decode	LMNR/NBT-NS Poison	Network Connections	Network Connections	Network Discover	Network Discover	Network Discover	Network Discover	Network Discover	Network Discover
Mstsa	Dylib Hijacking	Launch Daemon	Disabling Security	Network Sniffing	Network Sniffing	Network Sniffing	Network Sniffing					
PowerShell	Emond	New Service	DLL Search Order Hijack	Password Filter DLL	Windows Admin Shares	Windows Admin Shares	Windows Admin Shares	Windows Admin Shares				
Regsvcs / Regasm	External Remote Service	Parent PID Spoofin	DLL Side-Loading	Private Keys	Windows Remote Management	Windows Remote Management	Windows Remote Management	Windows Remote Management				
Regsvr32	File System Permission Path Interception	File System Permission Path Interception	Execution Guardrails	Secured Memory	System Network Config	System Network Config	System Network Config	System Network Config				
Rundll32	Hidden Files and Direct Plist Modificat	Evolution for Defend	Hidden Files and Direct Plist Modificat	Steal Web Session Co	System User/User Discovery	System User/User Discovery	System User/User Discovery	System User/User Discovery				
Scheduled Task	Hooking	Port Monitors	Extra Window Memory	Two-Factor Authentica	System Service Discovery	System Service Discovery	System Service Discovery	System Service Discovery				
Service Automation	Hyper-V	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File
Service Execution	Image File Execution C	Process Injection	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File	File-By-File
Signed Binary Proxy Ex Kernel Modules and Ex-Scheduled Task	Signed Binary Proxy Ex Kernel Modules and Ex-Scheduled Task	File System Logical Offsets										
Signed Script Proxy	Launch Agent	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry	Service Registry
Source	Launch Daemon	Setuid and Setgid	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification	Group Policy Modification
Space after Filename	Launchcht!	SID-History Injection	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories	Hidden Files and Directories
Third-party Software	LC_LOAD_DYLIB Additiv startup item	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users	Hidden Users
Trap	Local Job Scheduling	Sudo	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window	Hidden Window
Trusted Developer Util	Login Item	Sudo Caching	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL	HISTCONTROL
User Execution	Logon Scripts	Valid Accounts	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options	Image File Execution Options
Windows Management	LSASS Driver	Web Shell	Indicator Blocking	Indicator Removal From Tools	Indicator Removal From Tools	Indicator Removal From Tools	Indicator Removal From Tools					
Windows Remote Man	Modify Existing Service		Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio	Indirect Command Executio
XSL Script Processing	Microsoft Word DLL		Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate	Install Root Certificate
	New Service		Path Interception	Path Interception	Path Interception	Path Interception	Path Interception	Path Interception	Path Interception	Path Interception	Path Interception	Path Interception
	Office Application Startup		PList Modification	PList Modification	PList Modification	PList Modification	PList Modification	PList Modification	PList Modification	PList Modification	PList Modification	PList Modification
	Port Knocking		Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!	Launchcht!
	Port Monitors		LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking	LC_MAIN Hijacking
			Masquerading	Masquerading	Masquerading	Masquerading	Masquerading	Masquerading	Masquerading	Masquerading	Masquerading	Masquerading



README.md

Splunk Security Content



Welcome to the Splunk Security Content

This project gives you access to our repository of A on tactics, techniques and procedures (TTPs), map Martin Cyber Kill Chain, and CIS Controls. They incl Splunk Phantom playbooks (where available)—all de respond to threats.

Get Content

The latest Splunk Security Content can be obtained

SSE App

Grab the latest release of Splunk Security Essential it from [splunkbase](#), it is a Splunk Supported App. S content release, this is the preferred way to get co

```
1 name: AdsiSearcher Account Discovery
2 id: de7fcadc-04f3-11ec-a241-acde48001122
3 version: 1
4 date: '2021-08-24'
5 author: Teoderick Contreras, Mauricio Velazco, Splunk
6 type: TTP
7 datamodel: []
8 description: The following analytic utilizes PowerShell Script Block Logging (EventCode=4104)
9 to identify the `[Adsi searcher]` type accelerator being used to query Active Directory
10 for domain groups. Red Teams and adversaries may leverage `[Adsi searcher]` to enumerate
11 domain users for situational awareness and Active Directory Discovery.
12 search: ``powershell` EventCode=4104 Message = "*[adsi searcher]*" Message = "*objectcategory=user*"
13 Message = "*.*.findAll()*" | stats count min(_time) as firstTime max(_time) as lastTime
14 by EventCode Message ComputerName User | `security_content_ctime(firstTime)` | `security_content_ctime(lastTime)`
15 | `adsi searcher_account_discovery_filter`'
16 how_to_implement: The following Hunting analytic requires PowerShell operational logs
17 to be imported. Modify the powershell macro as needed to match the sourcetype or
18 add index. This analytic is specific to 4104, or PowerShell Script Block Logging.
19 known_false_positives: Administrators or power users may use this command for troubleshooting.
20 references:
21 - https://attack.mitre.org/techniques/T1087/002/
22 - https://www.blackhillsinfosec.com/red-blue-purple/
23 - https://devblogs.microsoft.com/scripting/use-the-powershell-adsi-searcher-type-accelerator-to-search-active-directory/
24 tags:
25 analytic_story:
26 - Industry
27 - Active Directory Discovery
28 confidence: 50
29 context:
30 - Source:Endpoint
31 - Stage:Discovery
32 dataset:
33 - https://media.githubusercontent.com/media/splunk/attack\_data/master/datasets/attack\_techniques/T1087.002/AD\_Discovery/wi
34 impact: 50
35 kill_chain_phases:
36 - Reconnaissance
37 message: powershell process having commandline $Message$ for user enumeration
38 mitre_attack_id:
39 - T1087.002
40 - T1087
41 observable:
42 - name: ComputerName
```

techID	techName	splunk
T1001	Data Obfuscation	
T1001.001	Junk Data	
T1001.002	Steganographhv	
T1001.003	Protocol Impersonation	
T1003	OS Credential Dumping	41
T1003.001	LSASS Memory	14
T1003.002	Security Account Manage	12
T1003.003	NTDS	7
T1003.004	LSA Secrets	
T1003.005	Cached Domain Credenti	
T1003.006	DCSvnc	
T1003.007	Proc Filesystem	
T1003.008	/etc/passwd and /etc/sha	1
T1005	Data from Local System	1
T1006	Direct Volume Access	
T1007	System Service Discover	
T1008	Fallback Channels	
T1010	Application Window Disc	
T1011	Exfiltration Over Other N	
T1011.001	Exfiltration Over Bluetooth	
T1012	Query Registry	1
T1014	Rootkit	
T1016	System Network Configur	3
T1016.001	Internet Connection Disc	1
T1018	Remote System Discover	15
T1020	Automated Exfiltration	5
T1020.001	Traffic Duplication	
T1021	Remote Services	19
T1021.001	Remote Desktop Protoco	2
T1021.002	SMB/Windows Admin Sh	6
T1021.003	Distributed Component C	5
T1021.004	SSH	

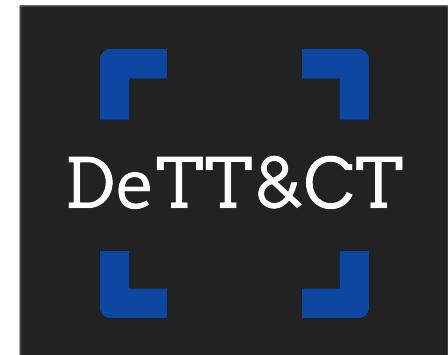


<https://github.com/SigmaHQ/sigma>



The screenshot shows the GitHub repository page for Sigma. At the top, there's a green "passing" status badge for "Sigma Rule Tests". Below it is the Sigma logo, which consists of a blue stylized "S" icon followed by the word "SIGMA". The main heading is "Sigma", described as a "Generic Signature Format for SIEM Systems". A section titled "What is Sigma" provides a brief overview: "Sigma is a generic and open signature format that allows you to describe relevant log events in a straightforward manner. The rule format is very flexible, easy to write and applicable to any type of log file. The main purpose of this project is to provide a structured form in which researchers or analysts can describe their once developed detection methods and make them shareable with others." Another section notes that Sigma is for log files, while Snort is for network traffic and YARA is for files. The repository contains one item: a link to the Sigma rule specification in the Wiki.

techID	techName	splunk	sigma
T1001	Data Obfuscation		
T1001.001	Junk Data		
T1001.002	Steganographhv		
T1001.003	Protocol Impersonation		3
T1003	OS Credential Dumping	41	14
T1003.001	LSASS Memory	14	62
T1003.002	Security Account Manage	12	27
T1003.003	NTDS	7	18
T1003.004	LSA Secrets		12
T1003.005	Cached Domain Credenti		8
T1003.006	DCSync		8
T1003.007	Proc Filesvstem		1
T1003.008	/etc/passwd and /etc/sha	1	
T1005	Data from Local System	1	7
T1006	Direct Volume Access		1
T1007	System Service Discoverv	2	3
T1008	Fallback Channels		2
T1010	Aplication Window Disc		1
T1011	Exfiltration Over Other N		
T1011.001	Exfiltration Over Bluetoo		
T1012	Querv Registrv	1	11
T1014	Rootkit		
T1016	Svstem Network Configu	3	8
T1016.001	Internet Connection Disc	1	
T1018	Remote System Discover	15	14
T1020	Automated Exfiltration	5	5
T1020.001	Traffic Duplication		
T1021	Remote Services	19	2
T1021.001	Remote Desktop Protoco	2	11
T1021.002	SMB/Windows Admin Sh	6	30
T1021.003	Distributed Component C	5	8
T1021.004	SSH		

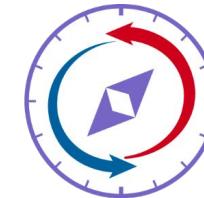


<https://github.com/raboban-k-cdc/DeTECT>



Prioritizing Detections: A Compass to Guide You

Control Validation Compass



controlcompass.github.io

Open source tool pointing cybersecurity teams to **9,000+** publicly-accessible technical and policy controls and **2,100+** offensive security tests, aligned with over **500** common attacker techniques (ATT&CK)



Control Validation Compass



[Lookup by Technique](#) [Lookup by Controls](#) [Threat Alignment](#) [Resources](#)

Instantly identify relevant controls directly aligned with threats that matter to you

Click [Line It Up!](#) below to immediately begin exploring controls & tests available for an example threat: [Trickbot](#), a [prolific malware](#). Or click the Controls, Threat Intelligence, or Advanced Options dropdowns to reveal numerous ways to customize your input threat intelligence and your output results.

▼ Controls

Toggle the controls & testing capabilities used in your environment or otherwise relevant to you. Click the triangles to reveal more options within each category.

Uncheck all boxes Check all boxes

Defensive Capabilities

- Network & Endpoint Telemetry - Native Controls
 - Splunk Threat Hunting Splunk App Elastic Stack
 - EQL Analytics Library Sentinel detection mappings LogPoint

- Network & Endpoint Telemetry - External Rule Repositories

- Network Telemetry

- Endpoint Telemetry

- Cloud

Offensive Capabilities

- Unit Tests

▼ Threat Intelligence

Add your own threat intelligence in [ATT&CK Navigator](#) "layer" format (learn more [here](#)). This utility simply matches techniques from our [dataset](#) against your input. *No input data is transferred or stored anywhere - this site has no database (see the relevant code [here](#))*.

```
{  
  "name": "layer",  
  "versions": {  
    "attack": "10",  
    "navigator": "4.5.5",  
    "layer": "4.3"  
  },  
  "domain": "enterprise-attack",  
  "description": "",  
  "filters": {  
    "category": "Exploit",  
    "technique": "T1059",  
    "subTechnique": "T1059.001",  
    "confidence": "Low",  
    "volume": "Low",  
    "severity": "Low",  
    "risk": "Low",  
    "status": "Active",  
    "lastUpdate": "2023-01-01T00:00:00Z",  
    "lastRun": "2023-01-01T00:00:00Z",  
    "lastSuccess": "2023-01-01T00:00:00Z",  
    "lastFailure": "2023-01-01T00:00:00Z",  
    "lastRunStatus": "Success",  
    "lastFailureReason": null  
  }  
}
```

▼ Advanced Options

[Line It Up! ▶](#)

The following volume of detections & tests are available from the selected control sets, aligned with your threat intelligence input. Consider strengthening controls at the top of the list - these are techniques included in your intelligence but which have the lowest volume of out-of-the-box detections & tests.

Sort Low-to-High by: Rules & Tests Total Rules Total Tests Total Identifier

Sort High-to-Low by: Rules & Tests Total Rules Total Tests Total Identifier

Detection Rules

► [T1059.001 \(PowerShell\)](#): 225

► [T1059.003 \(Windows Command Shell\)](#): 172

► [T1562.001 \(Disable or Modify Tools\)](#): 111

Offensive Tests

► [T1059.001 \(PowerShell\)](#): 60

► [T1059.003 \(Windows Command Shell\)](#): 35

► [T1562.001 \(Disable or Modify Tools\)](#): 37

controlcompass.github.io



Sourcing TTP-Focused Intelligence

attack.mitre.org

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healthcare

Leviathan, MUDCARP, Kryptonite Panda, Gadolinium, BRONZE MOHAWK, TEMP.Jumper, APT40, TEMP.Periscope, Group G0065
... affiliated front company.[1] Active since at least 2009, Leviathan has targeted the following sectors: academia, aerospace/aviation, biomedical, defense industrial base, government, healthcare, manufacturing, maritime, and transportation across the US, Canada, Europe, the Middle East, and Southeast Asia.[1][2][3] ID: G0065 © Associated Groups: MUDCARP, Kryptonite Panda, Gadoliniu...

APT41, WICKED PANDA, Group G0096
... archers have assessed as Chinese state-sponsored espionage group that also conducts financially-motivated operations. Active since at least 2012, APT41 has been observed targeting healthcare, telecom, technology, and video game industries in 14 countries. APT41 overlaps at least partially with public reporting on groups including BARIUM and Winnti Group.[1][2] ID: G0096 © Assoc...

Deep Panda, Shell Crew, WebMasters, KungFu Kittens, PinkPanther, Black Vine, Group G0009
... Deep Panda Deep Panda is a suspected Chinese threat group known to target many industries, including government, defense, financial, and telecommunications. [1] The intrusion into healthcare company Anthem has been attributed to Deep Panda. [2] This group is also known as Shell Crew, WebMasters, KungFu Kittens, and PinkPanther. [3] Deep Panda also appears to be known as Black V...

Fox Kitten, UNC757, PIONEER KITTEN, Parisite, Group G0117
... the Middle East, North Africa, Europe, Australia, and North America. Fox Kitten has targeted multiple industrial verticals including oil and gas, technology, government, defense, healthcare, manufacturing, and engineering.[1][2][3][4] ID: G0117 © Associated Groups: UNC757, PIONEER KITTEN, Parisite Version: 1.0 Created: 21 December 2020 Last Modified: 20 April 2021 Version Perm...

FIN4, Group G0085
FIN4 FIN4 is a financially-motivated threat group that has targeted confidential information related to the public financial market, particularly regarding healthcare and pharmaceutical companies, since at least 2013.[1][2] FIN4 is unique in that they do not infect victims with typical persistent malware, but rather they focus on capturing credentials au...

load more results

Phishing for Information (3)	Obtain Capabilities (6)	Planning (3)	Communication (3)	Extensions	Scripts (5)	Deploy Container	Forced Authentication	Cloud Service Discovery	Remote Services (6)	Hijack Clipboard
Search Closed Sources ...	Stage Capabilities ...	Replication Through Removable Media	Native API	Compromise Client Software Binary	Create or Modify System Process (4)	Direct Volume Access	Forge Web Credentials (2)	Cloud Storage Object Discovery	Replication Through	Data from Cloud E...
		Scheduled Task/Job ...			Domain Policy					



Sourcing TTP-Focused Intelligence

<https://apt.etda.or.th/cgi-bin/aptsearch.cgi>



Groups Tools Search Statistics



Home > Search

Threat Group Cards: A Threat Actor Encyclopedia

Database search

Actor	Source country
	...
	Victim country
	...
	<input type="checkbox"/> or Worldwide
Victim sector	✓ ...
Motivation	Aerospace
Free text search	Automotive
	Aviation
	Casinos and Gambling
	Chemical
	Construction
	Critical infrastructure
	Defense
	Education
	Embassies
	Energy
	Engineering
	Entertainment
	Financial
	(can use '*' and '?' wildcards)

Tool	Category
	...
	Type
	...
	Free text search
	(can use '*' and '?' wildcards)

Digital Service Security Center
Electronic Transactions Development Agency

Report incidents



Sourcing TTP-Focused Intelligence

<https://www.cisa.gov/uscert/ncas/alerts>



Alerts and Tips Resources

National Cyber Awareness System > Alerts > Russian State-Sponsored and Criminal Cyber Threats to Critical Infrastructure

Alert (AA22-110A)

Russian State-Sponsored and Criminal Cyber Threats to Critical Infrastructure

Original release date: April 20, 2022 | Last revised: May 09, 2022

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Summary

The cybersecurity authorities of the United States^{[1][2][3]}, Australia^[4], Canada^[5], New Zealand^[6], and the United Kingdom^{[7][8]} are releasing this joint Cybersecurity Advisory (CSA). The intent of this joint CSA is to warn organizations that Russia's invasion of Ukraine could expose organizations both within and beyond the region to increased malicious cyber activity. This activity may occur as a response to the unprecedented economic costs imposed on Russia as well as materiel support provided by the United States and U.S. allies and partners.



Sourcing TTP-Focused Intelligence

<https://cse.google.com/cse?cx=003248445720253387346:turlh5vi4xc>

About 6 results (0.24 seconds)

Conti Unpacked: Understanding Ransomware Development as a ...

[AlienVault Open Threat Exchange > pulse](#)



T1001 - Data Obfuscation , T1471 - Data Encrypted for Impact , T1407 - Download New Code at Runtime , T1424 - Process Discovery , T1489 - Service Stop ...

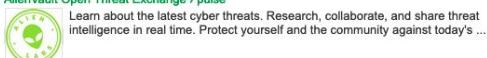
21-036 (August 10, 2021) - Threat Encyclopedia

[www.trendmicro.com > vinfo > vulnerability > 21-036-august-10-2021](#)

Aug 10, 2021 ... 1003244* - Identified Suspicious Obfuscated JavaScript (ATT&CK T1203, T1001) 1006391* - Identified Suspicious Obfuscated JavaScript - 1 ...

PRODAFT - SilverFish Group Threat Actor Report - AlienVault - Open ...

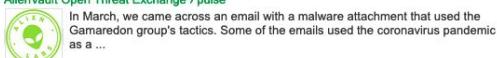
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Gamaredon APT Group Use Covid-19 Lure in Campaigns ...

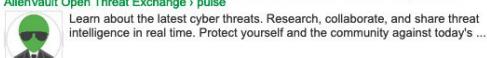
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In March, we came across an email with a malware attachment that used the Gamaredon group's tactics. Some of the emails used the coronavirus pandemic as a ...

SolarWinds advanced cyberattack: What happened and what to do ...

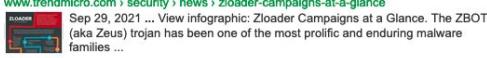
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Zloader Campaigns at a Glance - Security News - Trend Micro SE

[www.trendmicro.com > security > news > zloader-campaigns-at-a-glance](#)



Sep 29, 2021 ... View infographic: Zloader Campaigns at a Glance. The ZBOT (aka Zeus) trojan has been one of the most prolific and enduring malware families ...

[Q Search for T1001 on Google](#)



Thank You!

Resources

Control Validation Compass

- Web App: <https://controlcompass.github.io/>
- Dataset & source code:
<https://github.com/ControlCompass/ControlCompass.github.io>

Cyber Adversary Heatmaps

- <https://github.com/tropChaud/Cyber-Adversary-Heatmaps>
- <https://twitter.com/IntelScott>

ATT&CK

- [Getting Started with ATT&CK](#)
- [Hunting with MITRE ATT&CK](#)
- [Hunting for Post-Exploitation Stage Attacks with Elastic Stack and the MITRE ATT&CK Framework](#)

Threat Profiling

- [Using Threat Intelligence to Focus ATT&CK Activities](#)
- [A Practical Approach to Prioritizing Defenses](#)

Control Validation / Assessment Resources

- [Prelude](#)
- [VECTR](#)
- [AttackIQ Academy](#)

Risk

- [The Risk Business](#)

