

MALWARE ANLYSIS & PREVENTION STRATEGY



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Our Team

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Reporting

OUR TEAM



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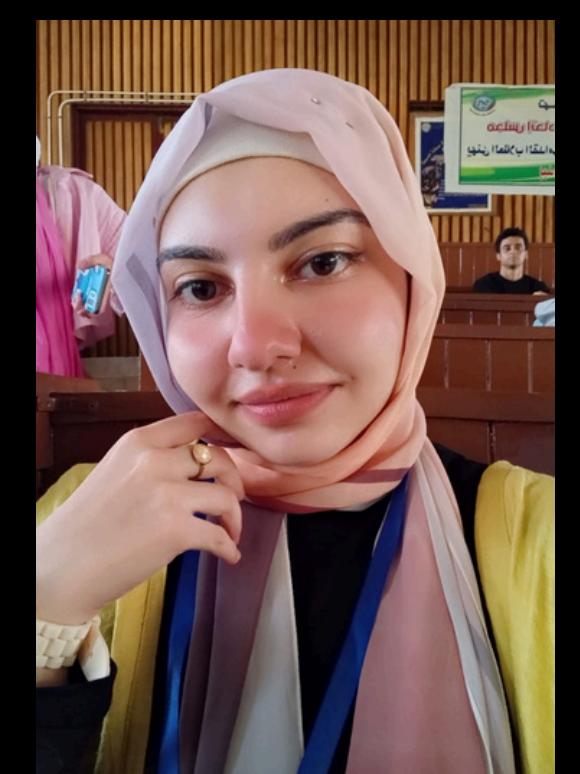
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LET'S START

1-INTRODUCTION

Stresses the importance of malware analysis to counter growing cyber threats. Malware refers to harmful software designed to damage or infiltrate systems. Analyzing it through techniques like static and dynamic analysis helps improve cybersecurity defenses and responses.

CHAPTER 1

Malwares Types & Classification	2
Malware's Circulation	2.1
Malware's Infection	2.2
Malware's Concealment	2.3
Malware's payload Capabilities	2.4
Malware's Real-life Examples	2.5

2-MALWARE'S ANALYSIS: TYPES & CLASSIFICATION

1

CIRCULATION :
spreads rapidly through networks
EX: Virus & Worms

2

INFECTION :
one-time execution or by remaining
for repeated activation
EX: Trojan , Ransomware & Crypto-
malware

3

CONCEALMENT :
involves malware techniques to
evade detection, such as code
obfuscation and using rootkits.

4

PAYOUT CAPABILITIES
This could include stealing
passwords and sensitive data, deleting
essential programs, or
altering system security settings

MALWARE'S CIRCULATION

ACTION

What does it do ?

VIRUS



Inserts malicious code into a program or data file.

WORM

Exploits a vulnerability in an application or operating system

How does it spread to other computers ?

User transfers infected files to other devices

Uses a network to travel from one computer to another

Does it infect a file ?

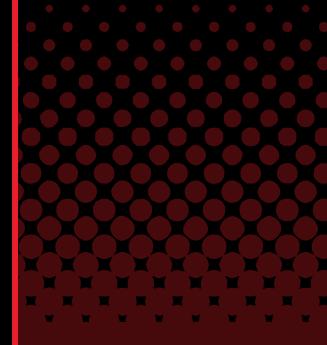
Yes

No

Does there need to be user action for it to spread ?

Yes

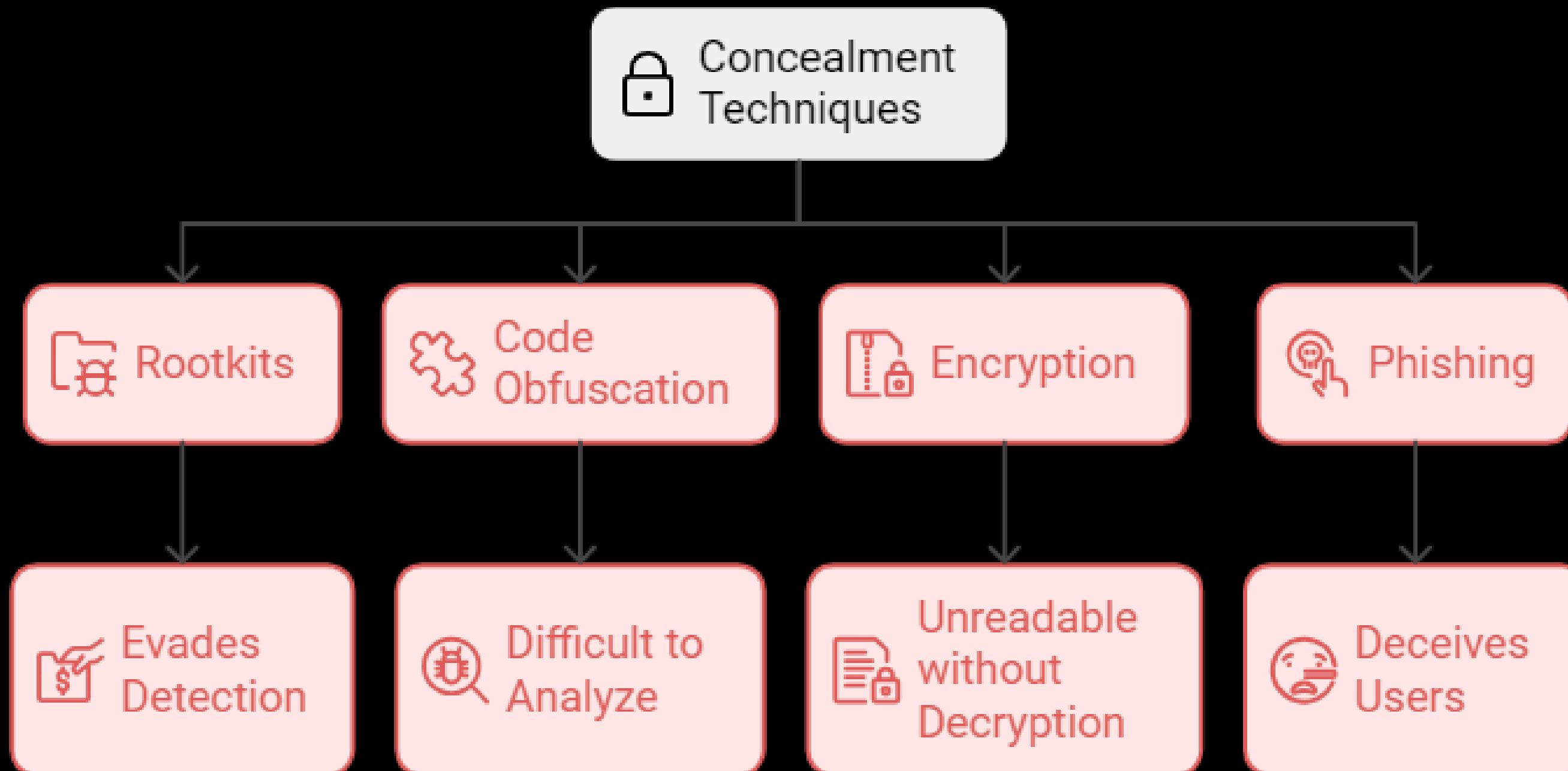
No



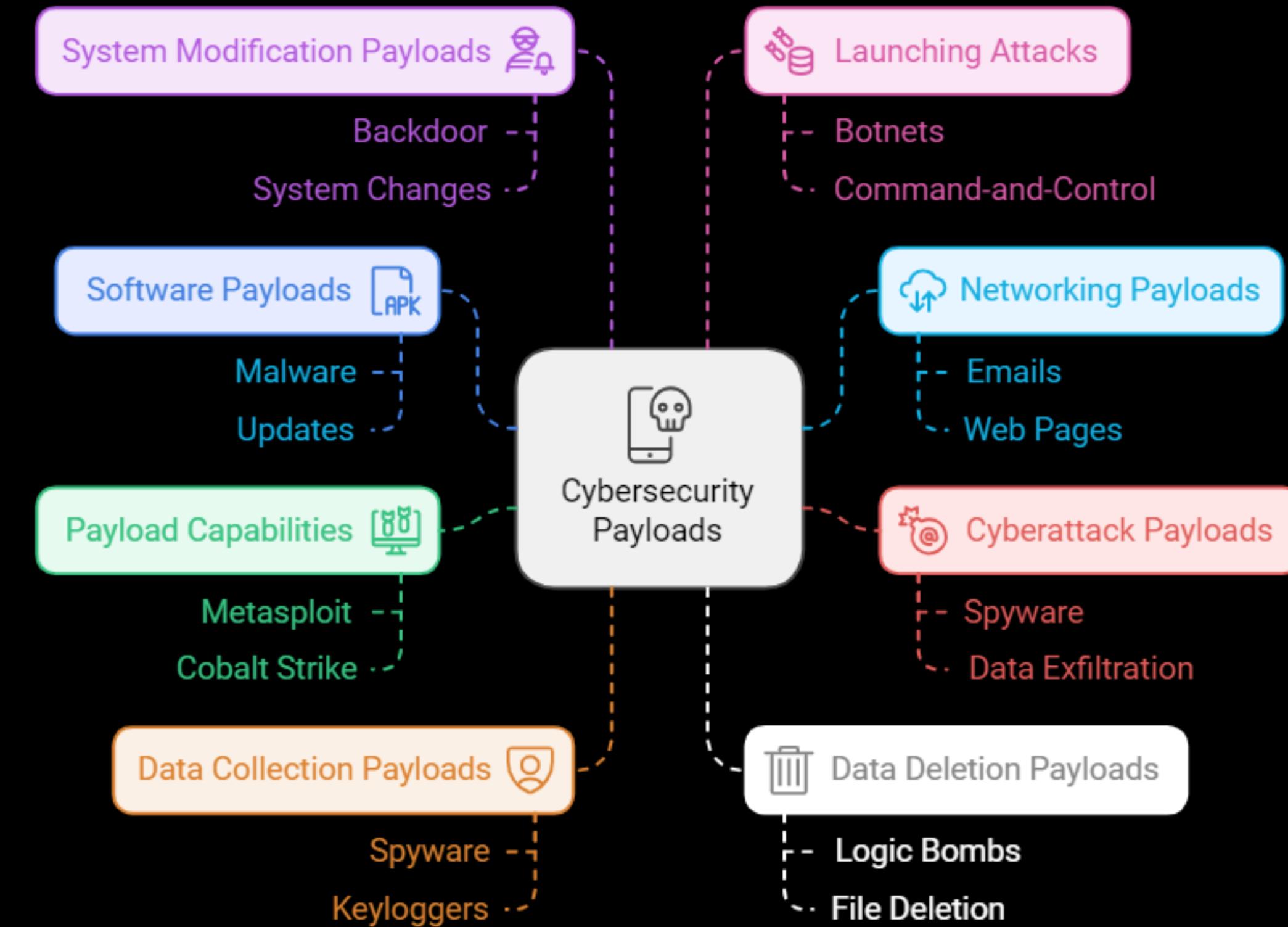
MALWARE'S INFECTION

FEATURE	TROJAN	RANSOMWARE	CRYPTO-MALWARE
Primary Trait	Deception (masquerades as legitimate apps)	Locks system access	Encrypts files, making them unusable
Malicious Activity	Steals data (passwords, credit cards)	Blocks device until ransom is paid	Encrypts files; demands ransom for decryption
Method of Infection	User unknowingly installs malicious software	Embeds into system, launches on boot	Encrypts files after receiving key from C&C
Severity	Medium: Can be detected and removed	High: Prevents system use until payment	Critical: Loss of data unless ransom is paid
Subtypes	Remote Access Trojan (RAT)	Blocker ransomware	Advances include file & network encryption
Impact on Networks	Can spread to other devices in network	Typically isolated to one device	Can infect multiple devices & network storage
Target Devices	Computers and networks	Computers and mobile devices	Computers, networks, cloud storage, mobile devices

MALWARE'S CONCEALMENT



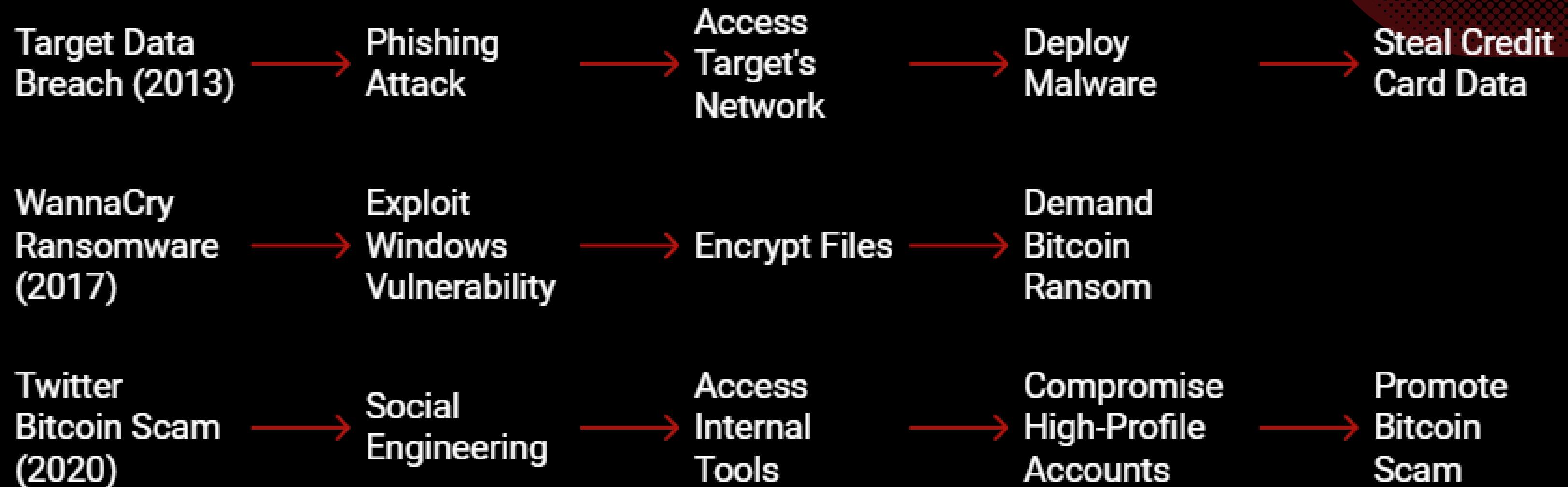
MALWARE'S PAYLOAD CAPABILITIES



2.5 MALWARE'S REAL-LIFE EXAMPLES



SYSTEM HACKED



Video Explanation 1: [\(196\) Target 2013 Data Breach Explained -YouTube](#)

Video Explanation 2: [WANNACRY: The World's Largest Ransomware Attack Documentary - YouTube](#)

Video Explanation 3: [The Teenager Who Hacked Twitter And Stole Millions In Bitcoin \(youtube.com\)](#)

CHAPTER 2

What's SIEM ?

Pros & cons of SIEM

Open source SIEMs

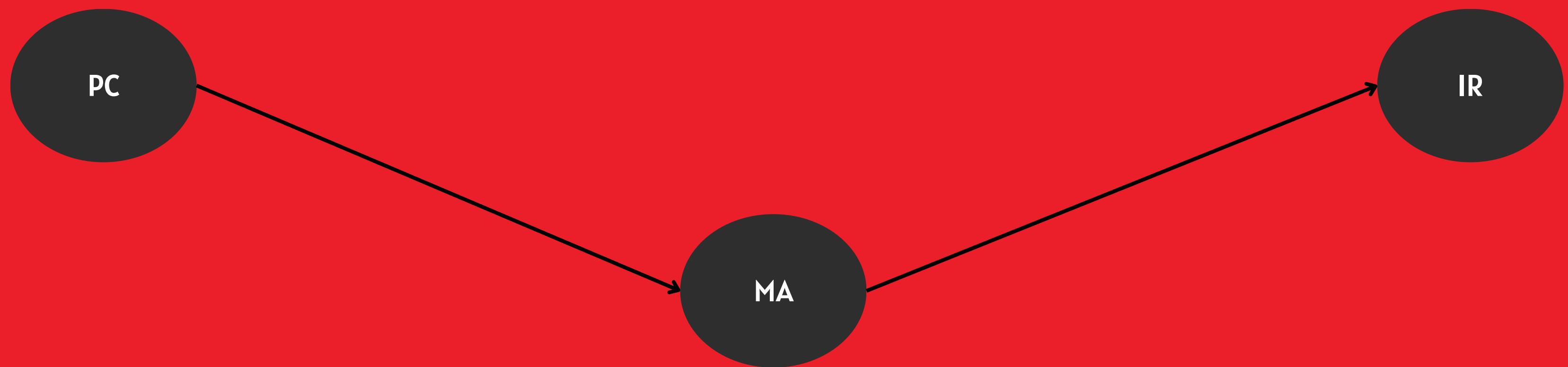
What's Wazuh ?

How to build Wazuh ?

Integrating Wazuh with Windows Defender Rules

CyberSecurity Frame Work

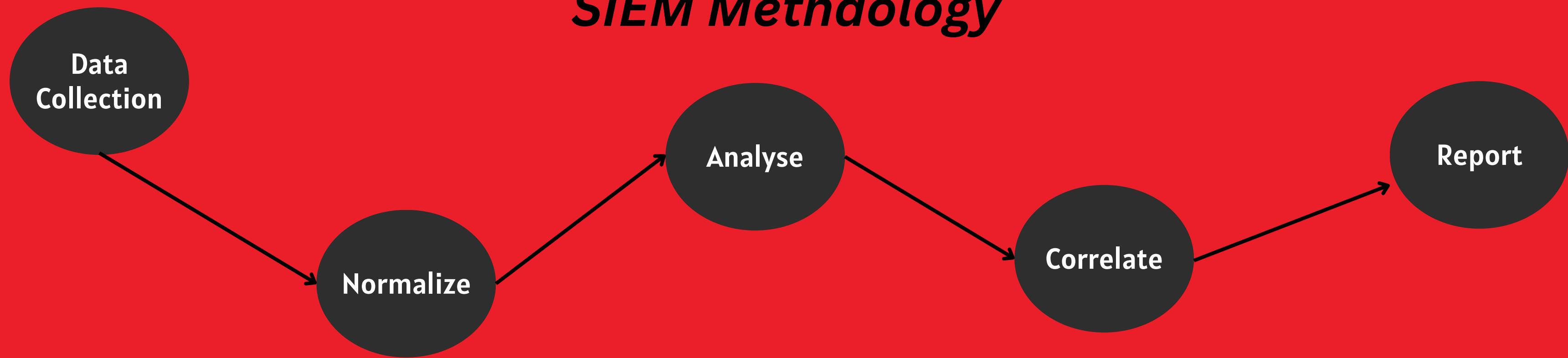
to reach the maximum effort of secure enterprise for any service provider must applying a three main aspects



What's SIEM ?

SIEM (Security Information and Event Management) combines Security Information Management (SIM) and Security Event Management (SEM) to offer real-time visibility by collecting, analyzing, and correlating security data from various sources.

SIEM Methodology



PROS & CONS OF SIEM

PROS

Centralized Management

Faster Response

Advanced Threat Detection

Regulatory Compliance

CONS

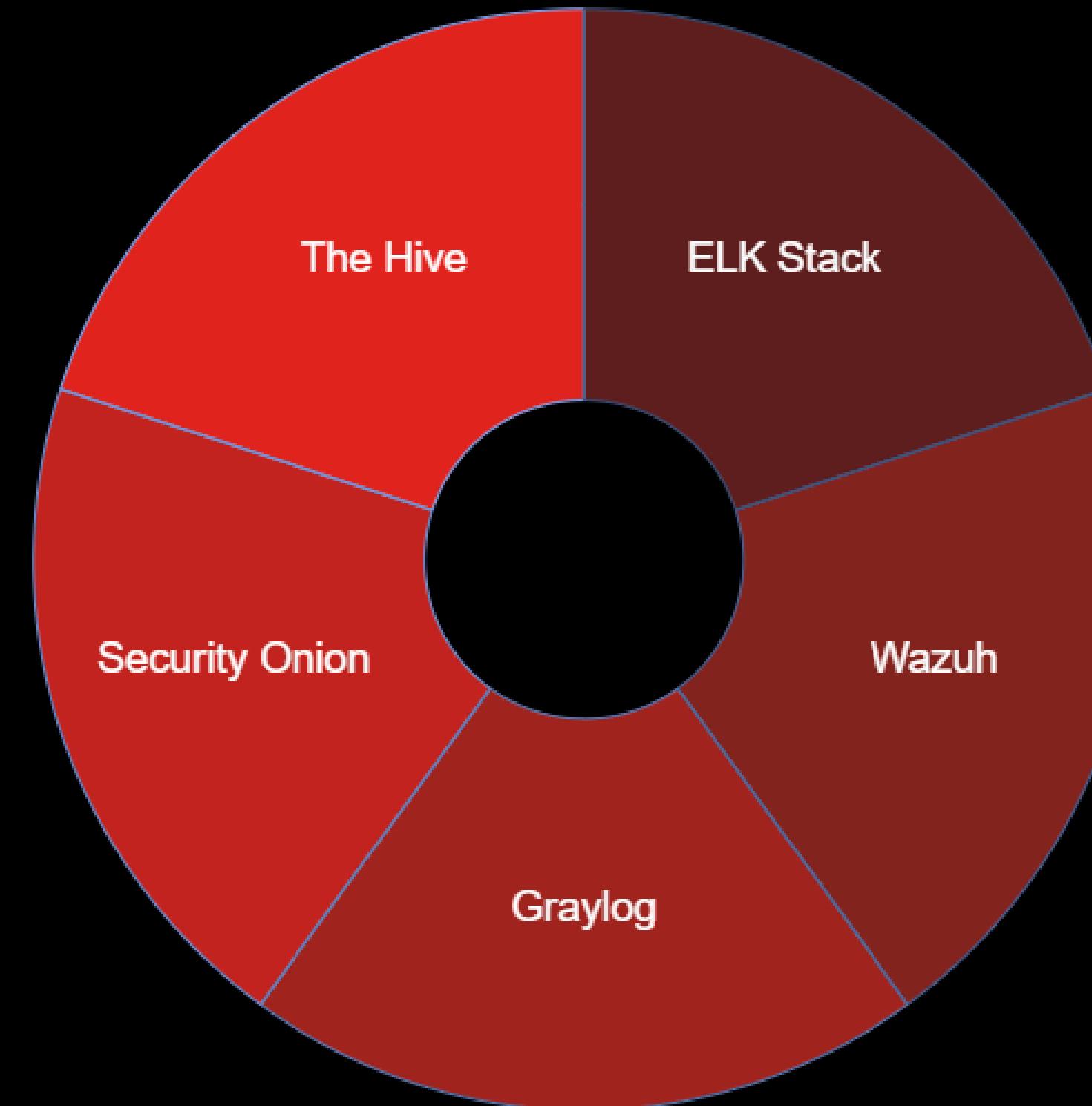
High Cost

Complexity

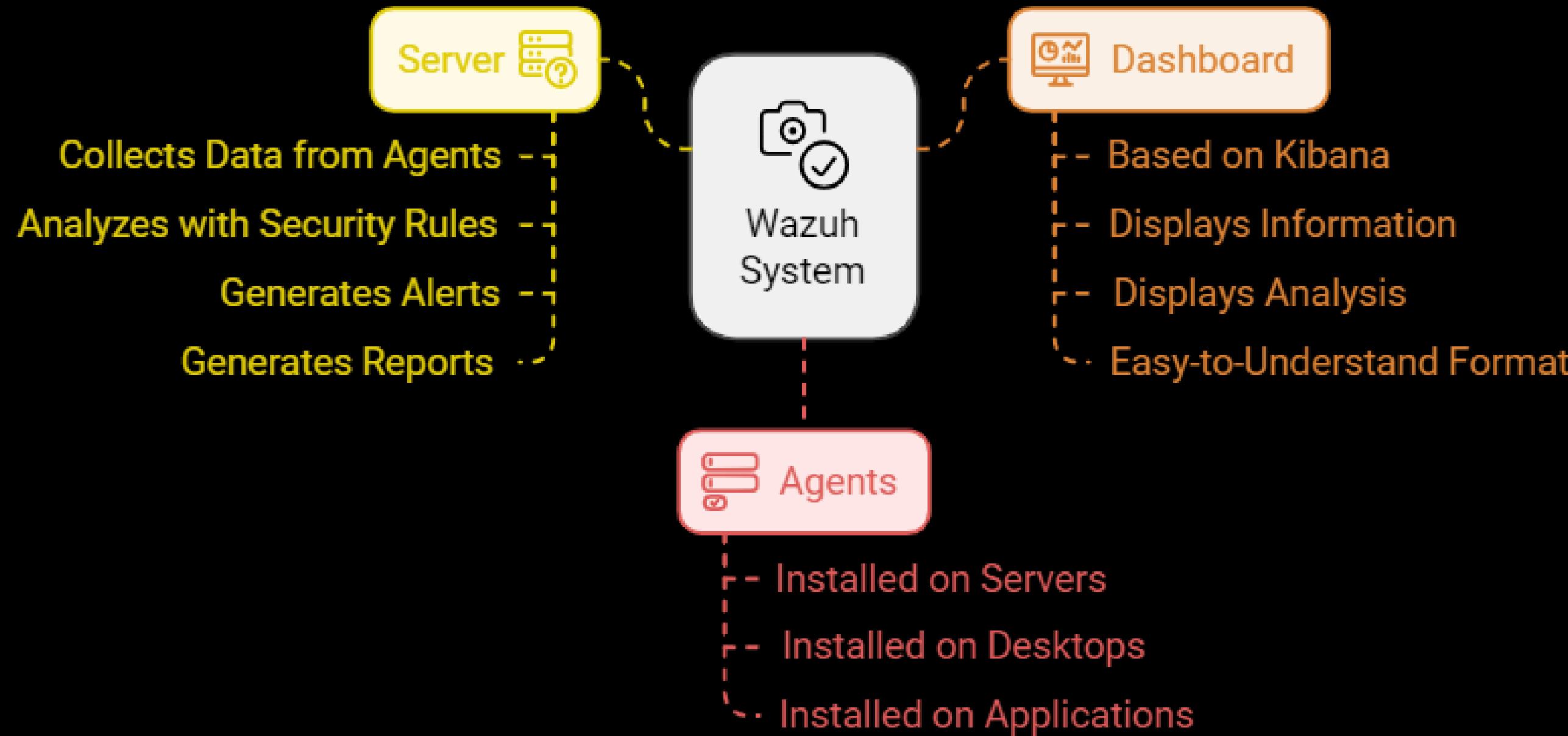
Resource Intensive

False Positives Alerts

OPEN SOURCE SIEMS



WHAT'S WAZUH?



HOW TO BUILD WAZUH ?

1-System

Requirements: Linux OS (e.g., Ubuntu, CentOS); 2 CPUs, 4GB RAM, 20GB disk.

2-Install Wazuh Server: Add repository, install Wazuh, Elastic Stack (Elasticsearch, Kibana, Filebeat), configure manager & API.

3-Install Agents:

Deploy Wazuh agents on endpoints (Windows, Linux, macOS) and configure log forwarding.

4-Set Up Kibana: Install the Wazuh Kibana plugin and access the dashboard for monitoring.

5-Configure Alerts: Customize alert rules and integrate threat intelligence.

6-Ongoing Monitoring: Continuously monitor events via Kibana and keep the system updated.

INTEGRATING WAZUH WITH WINDOWS DEFENDER RULES

01

Wazuh:

Open-source security platform for threat detection, incident response, and compliance.

02

Windows Defender:

Built-in antivirus software on Windows, generating logs and alerts.

03

Goal:

Configure rules in Wazuh to monitor Windows Defender alerts.

04

Prerequisites:

- Wazuh agent installed on Windows.
- Wazuh manager installed and running.
- Ensure Windows Defender logs are enabled in Windows Event Viewer.

WINDOWS DEFENDER ALERTS → WAZUH AGENT → WAZUH MANAGER

STEPS TO CONFIGURE RULES

01

Enable Defender Logs:

- Open Event Viewer → Applications and Services → Microsoft → Windows → Windows Defender.

02

Deploy the Wazuh Agent on Windows:

- Download Wazuh agent from the official site.
- Configure it to connect to Wazuh Manager.

03

Edit Wazuh Rules:

- Go to the Wazuh Manager's rules folder:
- `/var/ossec/etc/rules/` (on Linux Wazuh Manager).
- Add or modify the Defender rule (`windows_defender_rules.xml`).

04

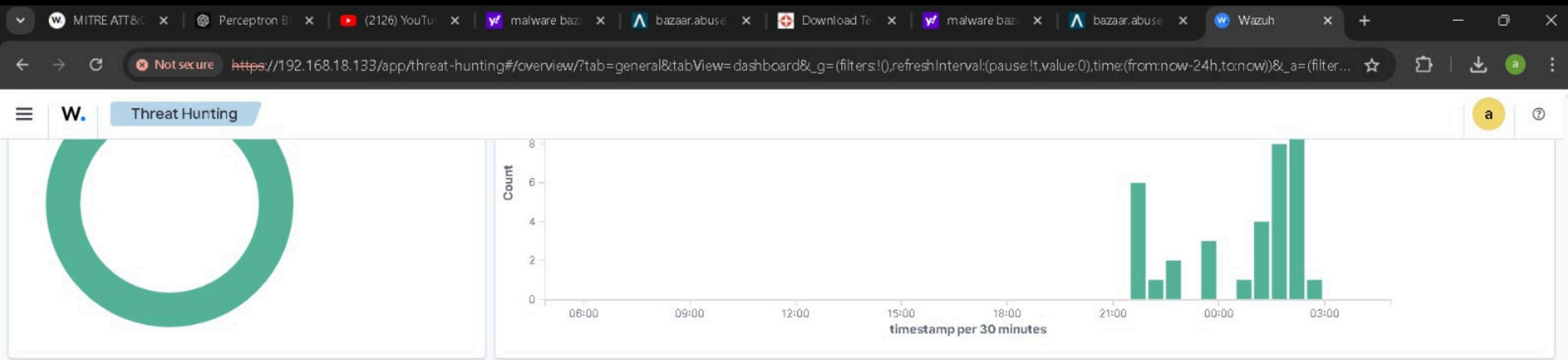
Restart Wazuh Manager:

Use "`sudo systemctl restart wazuh-manager`" to apply changes.

05

Monitor Alerts:

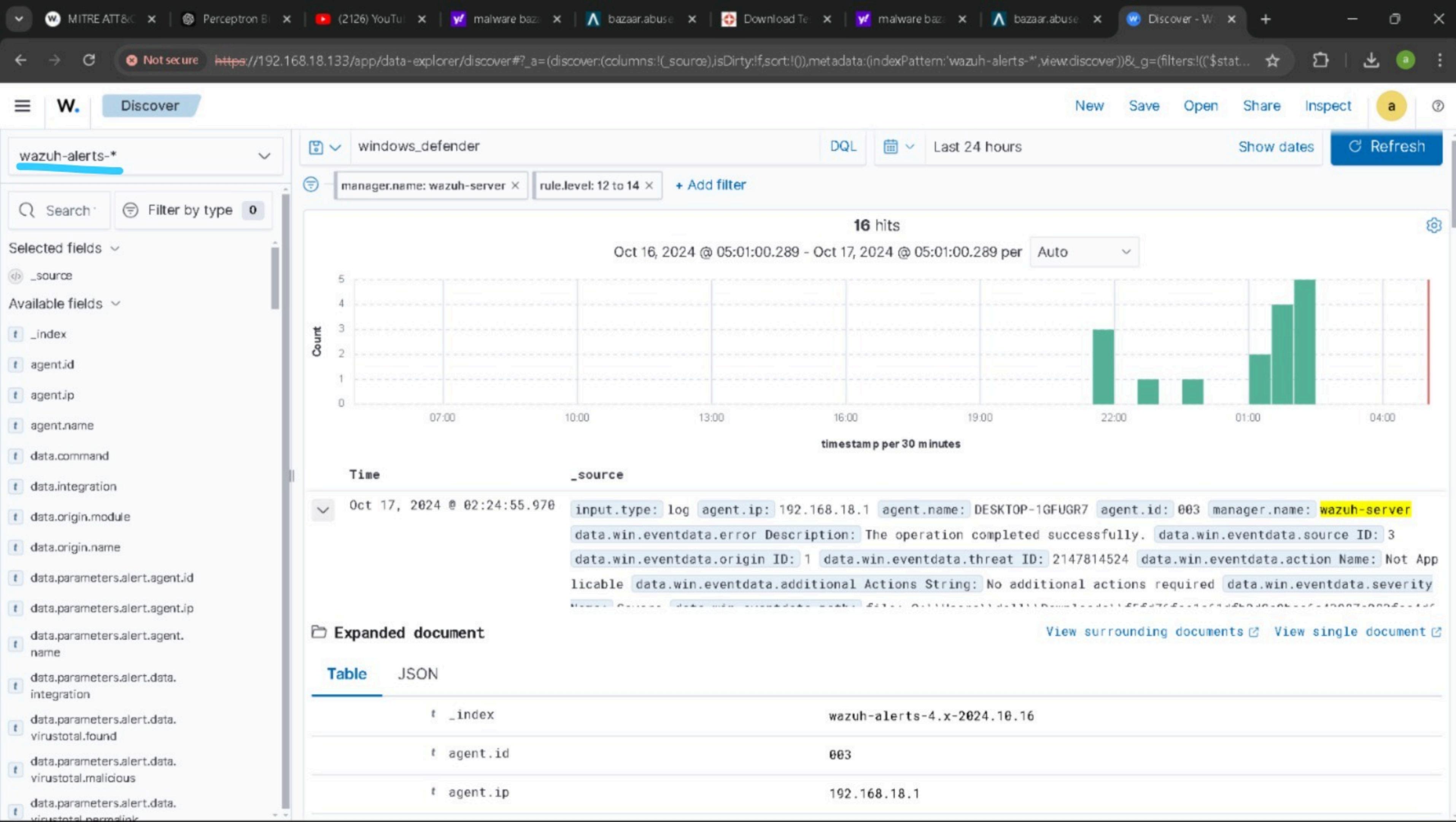
Check alerts in Wazuh Dashboard.



38 hits
Oct 16, 2024 @ 03:54:05.732 - Oct 17, 2024 @ 03:54:05.732

Export Formated 699 columns hidden Density 1 fields sorted Full screen

	↓ timestamp	agent.id	agent.name	rule.mitre.id	rule.mitre.tactic	rule.description	rule.level	rule.id
	Oct 17, 2024 @ 00:38...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62128
	Oct 17, 2024 @ 00:20...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62124
	Oct 17, 2024 @ 00:20...	003	DESKTOP-1GFUGR7			Windows Defender: An...	12	62123
	Oct 17, 2024 @ 00:04...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62124
	Oct 17, 2024 @ 00:04...	003	DESKTOP-1GFUGR7			Windows Defender: An...	12	62123
	Oct 16, 2024 @ 23:52...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62128
	Oct 16, 2024 @ 22:31...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62124
	Oct 16, 2024 @ 22:31...	003	DESKTOP-1GFUGR7			Windows Defender: An...	12	62123
	Oct 16, 2024 @ 22:30...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62128
	Oct 16, 2024 @ 21:37...	003	DESKTOP-1GFUGR7			Windows Defender: An...	3	62124
	Oct 16, 2024 @ 21:37...	003	DESKTOP-1GFUGR7			Windows Defender: An...	12	62123



Not secure https://192.168.18.133/app/threat-hunting#/overview/?tab=general&tabView=dashboard&_g=(filters:!0,refreshInterval:(pause:1t,value:0),time:(from:now-24h,to:now))&_a=(filter...)

Threat Hunting

16 Oct 16, 2024 @ 03:54:05.732

Export Formated 699 columns hidden Density 1 fields sorted Full screen

timestamp	agent.id	agent.name	rule.mitre.id
Oct 17, 2024 @ 01:24:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 01:04:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 01:04:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 01:03:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 01:03:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 00:52:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 00:52:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 00:51:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 00:20:...	003	DESKTOP-1GFUGR7	
Oct 17, 2024 @ 00:04:...	003	DESKTOP-1GFUGR7	
Oct 16, 2024 @ 22:31:...	003	DESKTOP-1GFUGR7	
Oct 16, 2024 @ 21:37:...	003	DESKTOP-1GFUGR7	
Oct 16, 2024 @ 20:47:...	003	DESKTOP-1GFUGR7	
Oct 16, 2024 @ 20:47:...	003	DESKTOP-1GFUGR7	
Oct 16, 2024 @ 20:31:...	003	DESKTOP-1GFUGR7	

Document Details

View surrounding documents ▾ View single document ▾

t	data.win.eventdata.action ID	9
t	data.win.eventdata.action Name	Not Applicable
t	data.win.eventdata.additional Actions ID	0
t	data.win.eventdata.additional Actions String	No additional actions required
t	data.win.eventdata.category ID	8
t	data.win.eventdata.category Name	Trojan
t	data.win.eventdata.detection ID	{E5D80998-7BC6-45E7-A93C-5E1AD01152B2}
t	data.win.eventdata.detection Time	2024-10-17T01:33:48.303Z
t	data.win.eventdata.detection User	DESKTOP-1GFUGR7\ dell
t	data.win.eventdata.engine Version	AM: 1.1.24080.9, NIS: 1.1.24080.9
t	data.win.eventdata.error Code	0x00000000
t	data.win.eventdata.error Description	The operation completed successfully.
t	data.win.eventdata.execution ID	1
t	data.win.eventdata.execution Name	Suspended

LET'S TAKE A BREAK



CHAPTER 3

Malware Prevention Strategy

User Awareness Training

MALWARE PREVENTION STRATEGY

A multi-layered strategy protects against malware across various attack vectors.

01

Update Software:

Regularly patch operating systems and applications to fix vulnerabilities.

02

Antivirus & Antimalware:

Use security tools to detect and block malicious programs.

03

Firewalls & IDS:

Monitor network traffic to prevent unauthorized access.

04

Employee Training:

Educate staff on spotting phishing and unsafe practices.

05

Network Segmentation:

Isolate critical systems to limit malware spread.

06

Limit User Access:

Apply the least privilege principle to reduce entry points.

07

Regular Backups:

Ensure frequent backups for quick recovery.

08

Email & Web Filtering:

Block malicious emails and restrict access to harmful websites.

09

Threat Intelligence:

Stay informed about emerging malware threats.

USER AWARENESS TRAINING

1- Think before click

01

Look for Red Flags: Suspicious email addresses, urgent language, unexpected attachments.

02

Verify Links: Hover over links before clicking to check for fake URLs.

03

Report It: If unsure, report phishing attempts to your IT team immediately



3.2-USER AWARENESS TRAINING

2-Build a Strong Password

01

Use at least 12 characters with a mix of letters, numbers, and symbols.

02

Avoid common words and personal info.

03

Enable MFA (Multi-Factor Authentication) for extra security.



3.2-USER AWARENESS TRAINING

3-Stay Safe While Surfing the Web

01

Check for HTTPS: Always use secure websites.

02

Avoid Suspicious Links: Don't click on unknown or pop-up links.

03

Update Your Browser: Keep your browser up-to-date for protection.



3.2-USER AWARENESS TRAINING

4-Keep Your Devices Secure

01

Update Software Regularly: Always install the latest security patches.

02

Use Antivirus Software: Regular scans keep malware away.

03

Lock Your Device: Always lock your screen when stepping away.



3.2-USER AWARENESS TRAINING

5-Handle Data with Care!

01

Encrypt Sensitive Data both in transit and at rest.

02

Share Securely: Use secure methods (VPN, encrypted email) for sharing sensitive info.

03

Access Control: Only authorized personnel should have access to sensitive data.



REPORTING

Malware Incident Response

Incident Response Framework

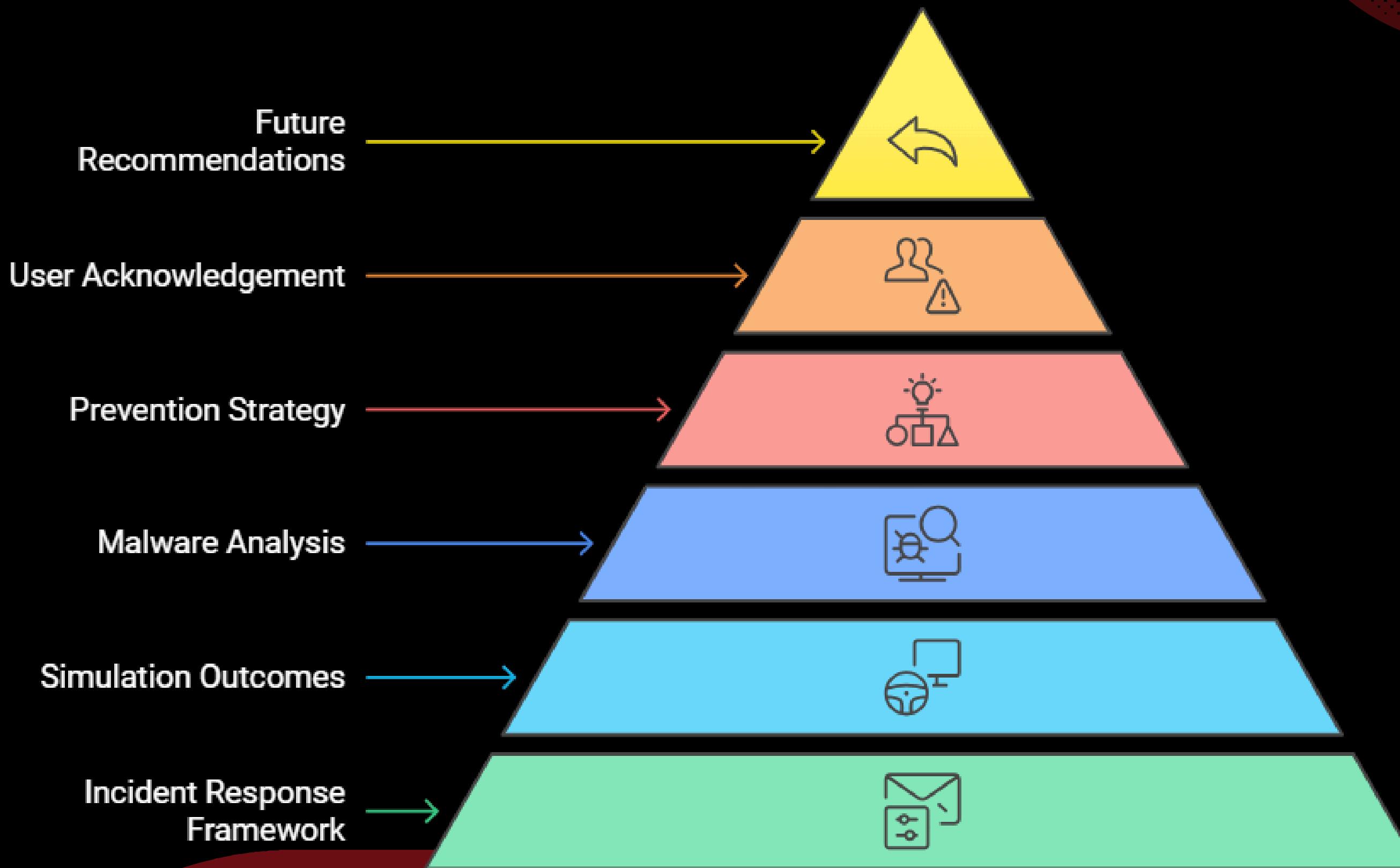
Simulation

Malware Analysis

User Acknowledgement

Future Recommendations

MALWARE INCIDENT RESPONSE



INCIDENT RESPONSE FRAMEWORK

01

Preparation : prepared incident response teams and playbooks for malware incidents.

02

Identification : behavioral analysis to identify known malware and detect suspicious activities like unusual file executions and network connections.

03

Containment: Isolating the affected device to prevent further infection.

04

Eradication: Removing the malware and cleaning the infected system.

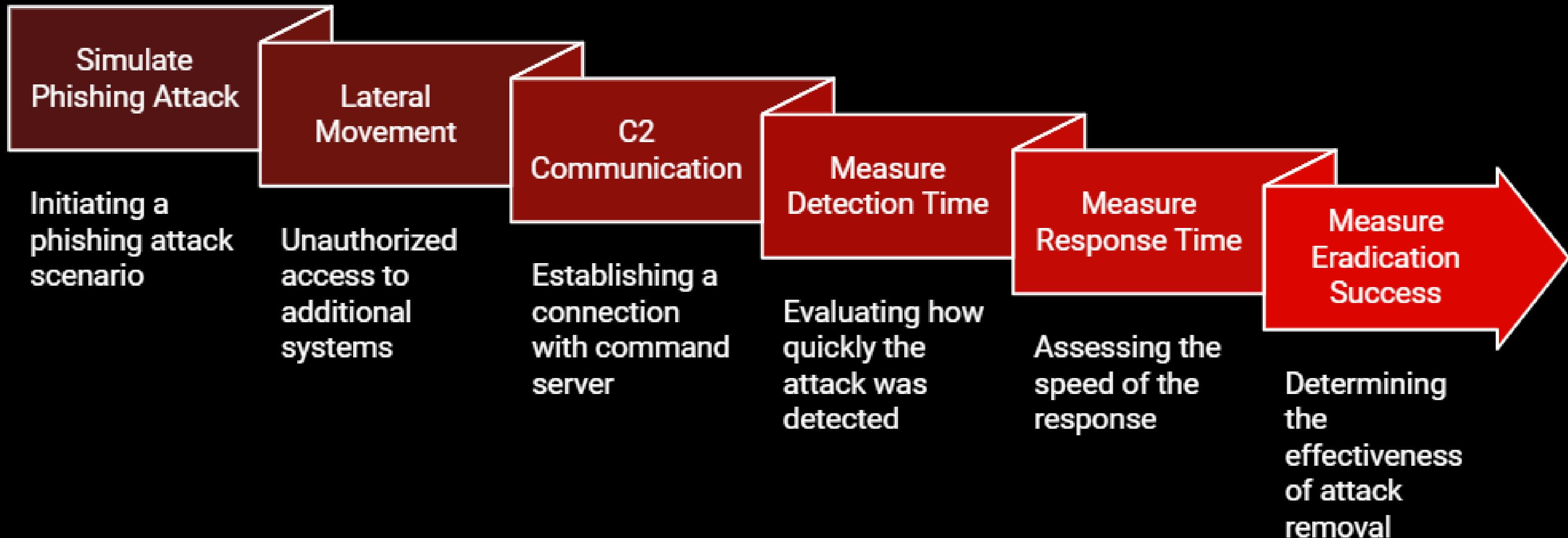
05

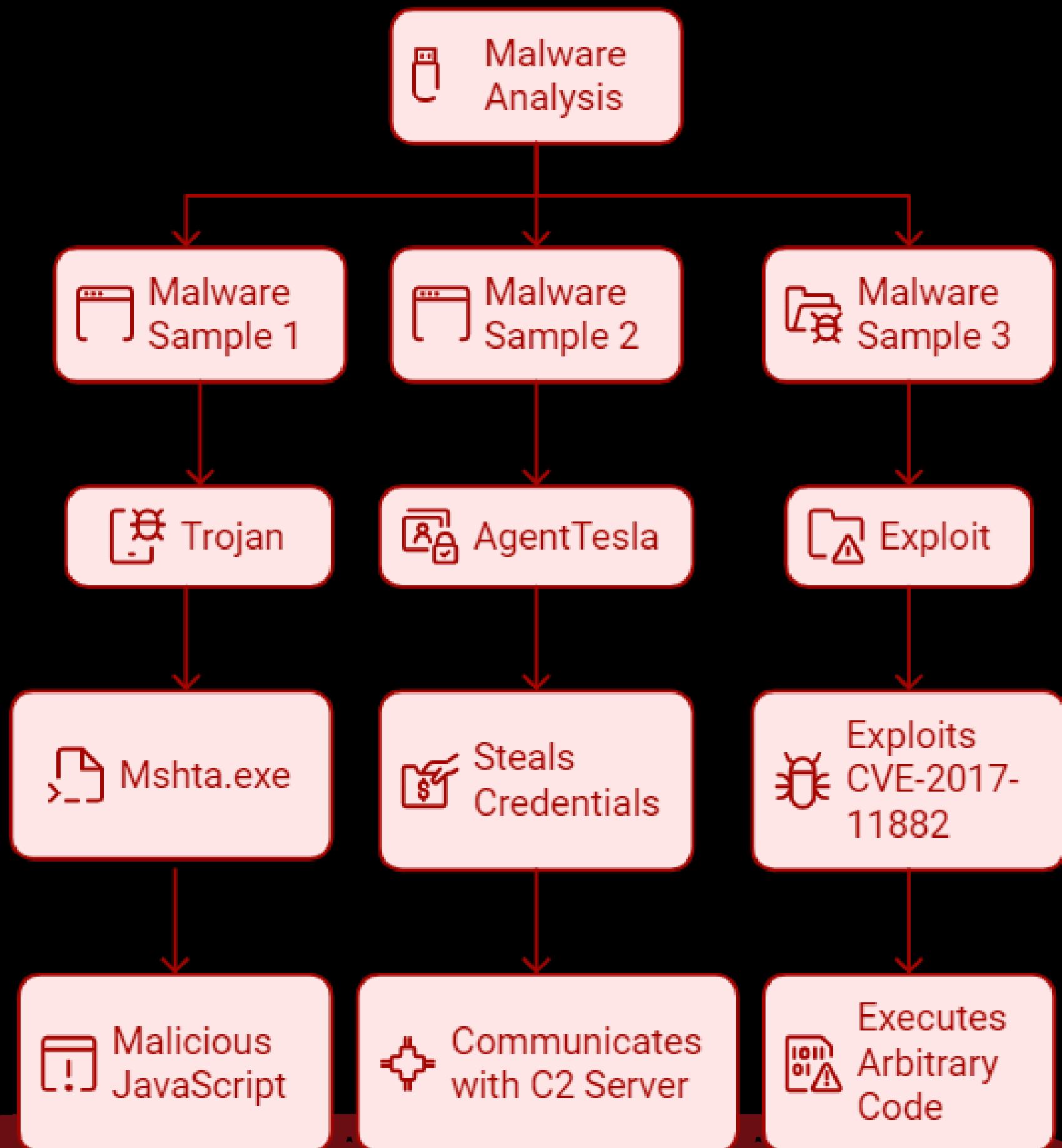
Recovery: Restoring the system from a clean backup, followed by validation.

06

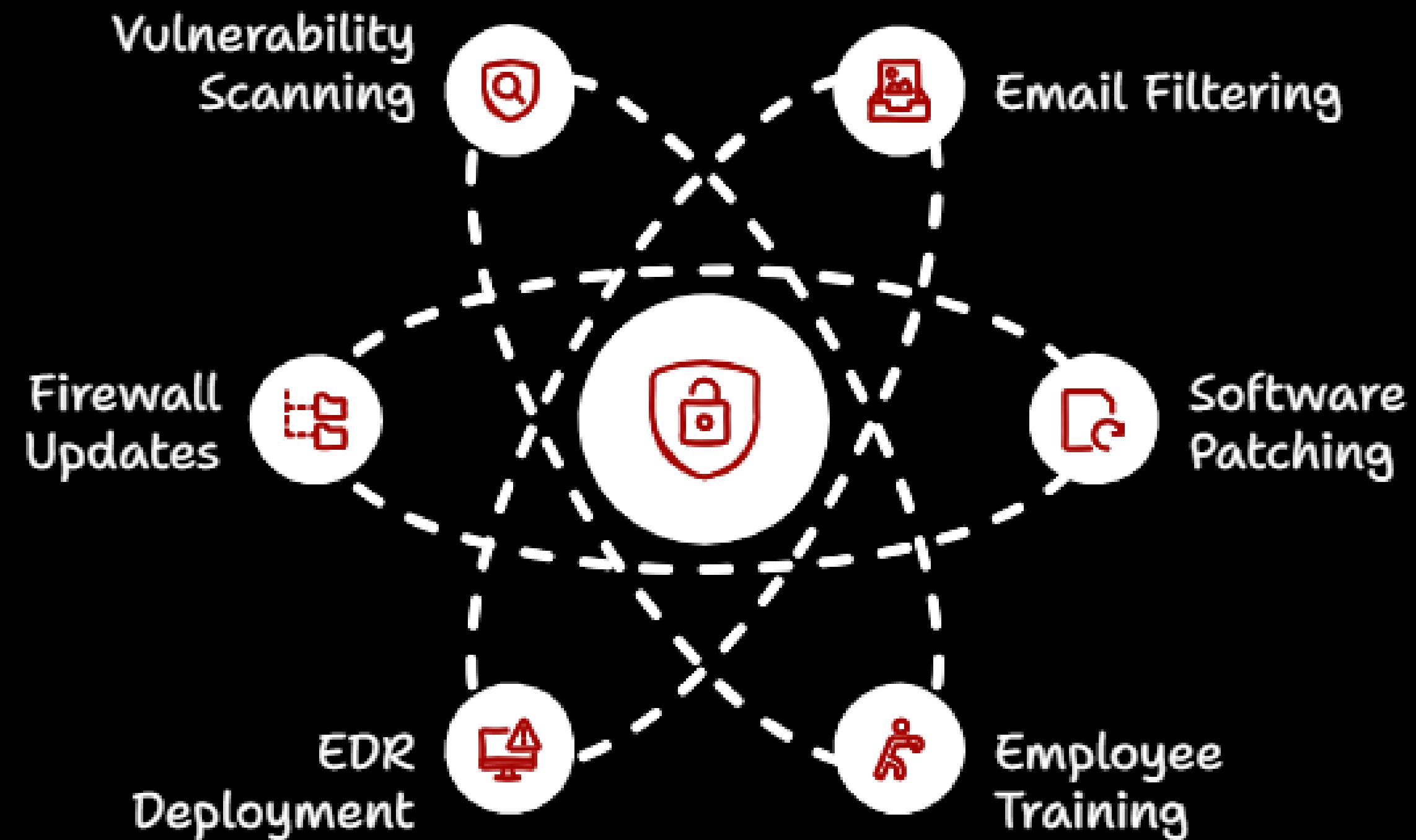
Lessons Learned: Identifying gaps in the response process and refining playbooks.

SIMULATION





PREVENTION STRATEGY



USER ACKNOWLEDGEMENT

Outline Next Steps

Detail the actions to be taken next

Explain Containment Reason

Provide details on why containment is necessary

Identify Security Incident

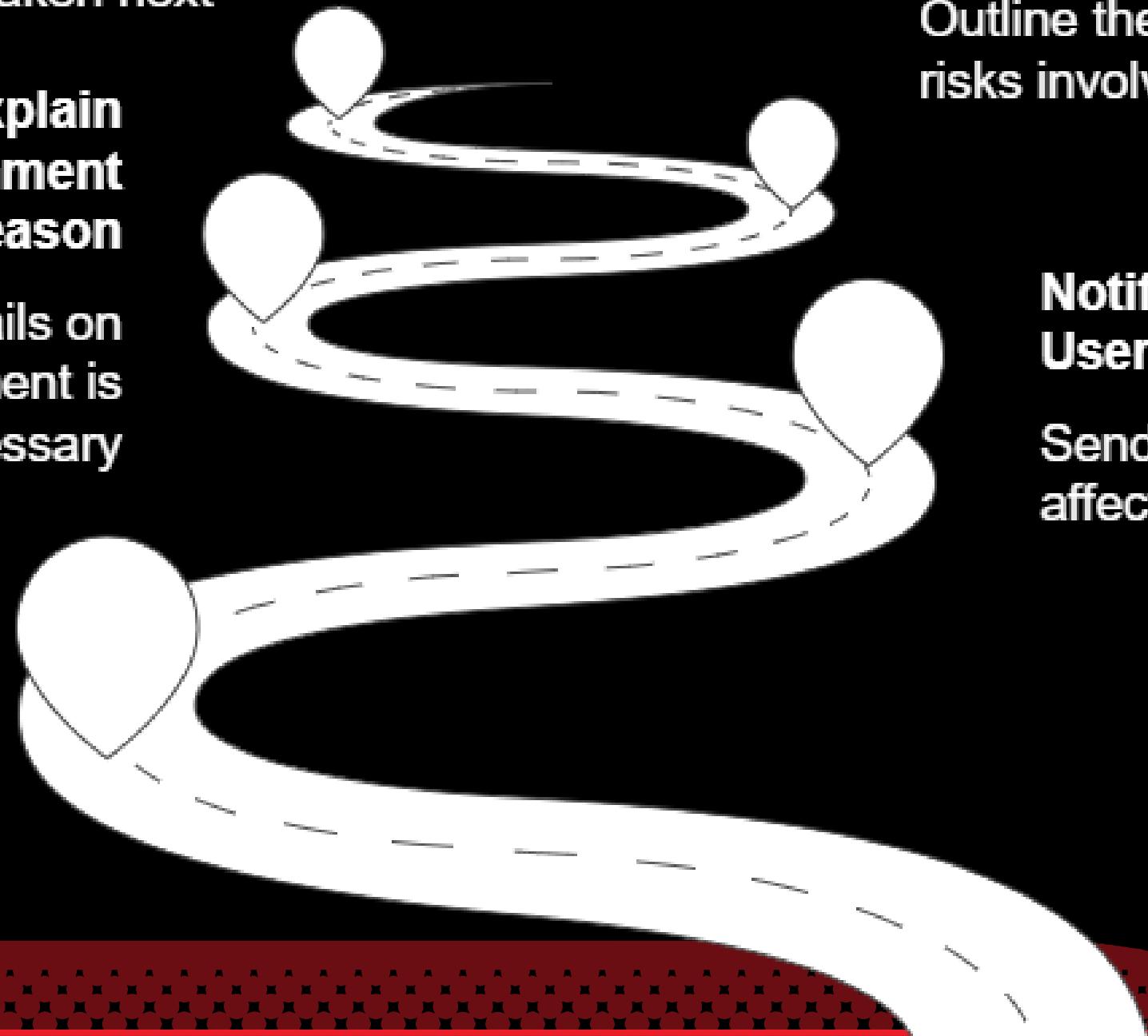
Detect and confirm the security breach

Describe Potential Threat

Outline the potential risks involved

Notify Affected User

Send an email to the affected user



FUTURE RECOMMENDATIONS

How to improve cybersecurity posture?

Strengthen User Awareness Training

Reduce human error by educating users on phishing threats.



Enhanced Detection Capabilities

Invest in advanced tools for better threat detection.

Routine Simulation Drills

Test and improve incident response through regular simulations.



WARNING

Download Anti Malware Testfile - Wazuh - Elastic

demo.opensecure.co/app/wazuh#/overview/?tab=general&tabView=panels&_g=(filters:!(),refreshInterval:(pause:1t,value:0),time:(from:now-24h,to:now))&_a=(columns:(rule.description,rule.level,rule.id),filters:!(\$state:(isImplicit:t,store:appState),meta:(alias:n,disabled:f,...

Elastic WAZUH / Modules / EmVROPUANO / Security events

Security events ①

Dashboard Events

wazuh-alerts-* 793 hits

Oct 12, 2021 @ 21:19:55.368 - Oct 13, 2021 @ 21:19:55.368 Auto

Count timestamp per 30 minutes

Filter by type 0

Selected fields

- rule.description
- rule.id
- rule.level

Available fields

- agent.id
- agent.ip
- agent.name
- data.extra_data
- data.module
- data.vulnerability.assigner
- data.vulnerability.cve
- data.vulnerability.cve_version
- data.vulnerability.cvss.cvss2.base_score
- data.vulnerability.cvss.cvss2.vector.access_complexity
- data.vulnerability.cvss.cvss2.vector.attack_vector
- data.vulnerability.cvss.cvss2.vector.authentication
- data.vulnerability.cvss.cvss2.vector.availability
- data.vulnerability.cvss.cvss2.vector.confidentiality

Time	rule.description	rule.level	rule.id
Oct 13, 2021 @ 21:19:42.030	Windows Defender: Antimalware platform performed an action to protect you from potentially unwanted software ()	3	62124
Oct 13, 2021 @ 21:19:35.627	Windows Defender: Antimalware platform detected potentially unwanted software ()	12	62123
Oct 13, 2021 @ 21:18:56.059	Ossec agent started.	3	503
Oct 13, 2021 @ 21:18:55.725	Ossec agent stopped.	3	506
Oct 13, 2021 @ 21:17:56.069	The agent could not restart due to a syscheck failure in the remote configuration	7	220
Oct 13, 2021 @ 21:13:21.761	Logon Failure - Unknown user or bad password	5	60122
Oct 13, 2021 @ 21:12:11.123	CVE-2020-1561 affects Windows Server 2016	10	23505
Oct 13, 2021 @ 21:12:11.112	CVE-2020-1564 affects Windows Server 2016	10	23505
Oct 13, 2021 @ 21:12:11.095	CVE-2021-1706 affects Windows Server 2016	10	23505
Oct 13, 2021 @ 21:12:11.085	CVE-2021-1710 affects Windows Server 2016	10	23505

Activate Windows Go to Settings to activate Windows

eicar (1).com Failed - Virus detected eicar (1).com Failed - Virus detected Show all

Download Anti Malware Testfile - Wazuh - Elastic 138.128.242.204 demo.opensecure.co/app/wazuh#/overview/?tab=general&tabView=panels&_g=(filters:!(),refreshInterval:(pause:1t,value:0),time:(from:now-24h,to:now))&_a=(columns:!(rule.description,rule.level,rule.id),filters:!((\$state:(isImplicit:1t,store:appState),meta:(alias:ln,disabled:lf,...

Elastic WAZUH Modules EmVROPUAN0 Security events

Security events ⓘ

Dashboard Events EmVROPUAN0 (012) ▾

t data.vulnerability.cvss.cvss3.vector.availability	t data.win.eventdata.detection.User	EMVROPUAN0\Administrator
t data.vulnerability.cvss.cvss3.vector.confidentiality_impact	t data.win.eventdata.engine.Version	AM: 1.1.18600.4, NIS: 1.1.18600.4
t data.vulnerability.cvss.cvss3.vector.integrity_impact	t data.win.eventdata.error.Code	0x00000000
t data.vulnerability.cvss.cvss3.vector.privileges_required	t data.win.eventdata.error.Description	The operation completed successfully.
t data.vulnerability.cvss.cvss3.vector.scope	t data.win.eventdata.execution.ID	0
t data.vulnerability.cvss.cvss3.vector.user_interaction	t data.win.eventdata.execution.Name	%812
t data.vulnerability.cwe.reference	t data.win.eventdata.fWLink	https://go.microsoft.com/fwlink/?linkid=37020&name=Virus:DOS/EICAR_Test_File&threatid=2147519003&enterprise=0
t data.vulnerability.package.condition	t data.win.eventdata.origin.ID	4
t data.vulnerability.package.generated_cpe	t data.win.eventdata.origin.Name	%847
t data.vulnerability.package.name	t data.win.eventdata.path	file:_C:\Users\Administrator\Downloads\ eicar (1).com; webfile:_C:\Users\Administrator\Downloads\ eicar (1).com https://secure.eicar.org/eicar.com pid:4836,ProcessStart:132786263741911269
t data.vulnerability.published	t data.win.eventdata.post.Clean.Status	0
t data.vulnerability.rationale	t data.win.eventdata.pre.Execution.Status	0
t data.vulnerability.references	t data.win.eventdata.process.Name	Unknown
t data.vulnerability.severity	t data.win.eventdata.product.Name	%827
t data.vulnerability.title	t data.win.eventdata.product.Version	4.18.2003.8
t data.vulnerability.updated	t data.win.eventdata.severity.ID	5
t data.win.eventdata.action.ID	t data.win.eventdata.severity.Name	Severe
t data.win.eventdata.additional.Actions.ID	t data.win.eventdata.signature.Version	NFA-1-251-252-0-10-1-251-252-0-NFO-1-251-252-0
t data.win.eventdata.additional.Actions.String		
t data.win.eventdata.		

Activate Windows Go to Settings to activate Windows

eicar (1).com Failed - Virus detected eicar (1).com Failed - Virus detected Show all X

Download Anti Malware Testfile - x Wazuh - Elastic x "www.dasmalwerk.eu" 138.128.242.204 x

demo.opensecure.co/app/wazuh#/overview/?tab=general&tabView=panels&_g=(filters:!(),refreshInterval:(pause:1t,value:0),time:(from:now-24h,to:now))&_a=(columns:(rule.description,rule.level,rule.id,data.win.eventdata.path),filters:!(("state":isImplicit:t,store:appState)....)

Elastic

WAZUH / Modules / EmVROPUANO / Security events

Security events ⓘ

Dashboard Events

Search manager.name: opensearch agentId: 012 + Add filter

KQL Last 24 hours Show dates Refresh

wazuh-alerts-* Search field names Filter by type Selected fields data.win.eventdata.path rule.description rule.id rule.level Available fields agent.id agent.ip agent.name data.extra_data data.module data.vulnerability.assigner data.vulnerability.cve data.vulnerability.cve_version data.vulnerability.cvss.cvss2.base_score data.vulnerability.cvss.cvss2.vector.access_complexity data.vulnerability.cvss.cvss2.vector.

793 hits Oct 12, 2021 @ 21:19:55.368 - Oct 13, 2021 @ 21:19:55.368 Auto timestamp per 30 minutes

Time	rule.description	rule.level	rule.id	data.win.eventdata.path
> Oct 13, 2021 @ 21:19:42.030	Windows Defender: Antimalware platform performed an action to protect you from potentially unwanted software ()	3	62124	file:_C:\\Users\\Administrator\\Downloads\\eicar (1).com; webfile:_C:\\Users\\Administrator\\Downloads\\eicar (1).com https://secure.eicar.org/eicar.com pid:4836,ProcessStart:132786263741911269
> Oct 13, 2021 @ 21:19:35.627	Windows Defender: Antimalware platform detected potentially unwanted software ()	12	62123	file:_C:\\Users\\Administrator\\Downloads\\eicar (1).com; webfile:_C:\\Users\\Administrator\\Downloads\\eicar (1).com https://secure.eicar.org/eicar.com pid:4836,ProcessStart:132786263741911269
> Oct 13, 2021 @ 21:18:56.059	Ossec agent started.	3	583	-
> Oct 13, 2021 @ 21:18:55.725	Ossec agent stopped.	3	586	-
> Oct 13, 2021 @ 21:17:56.069	The agent could not restart due to a syscheck failure in the remote configuration	7	228	-
> Oct 13, 2021 @ 21:13:21.761	Logon Failure - Unknown user or bad password	5	68122	-

Activate Windows Go to Settings to activate Windows.

- 2030f0f9fa95e6e82....zip Failed - Virus detected
- eicar (1).com Failed - Virus detected
- eicar (1).com Failed - Virus detected

Show all x

```
Vuln * Wazuh * # Virus * # Direct * comm * # Cert * # Direct download Securi * Tell me * Wazuh * Tell me * Qualy * A som * # API * Untile * + - D X
File Edit View
sudo vim /var/ossec/etc/ossec.conf
sudo vim /var/ossec/etc/ossec.conf

# Press shift + G to get to the bottom.
# press "i" to insert info and press enter.
# Paste the code with your virus total integration API
# Press "escape, then colon":
# Press WQ for "write, quit" and press enter to exit

# Code
<ossec_config>
  <integration>
    <name>virustotal</name>
    <api_key>7777example7777777</api_key> <!-- Replace with your VirusTotal API key -->
    <group>syscheck</group>
    <alert_format>json</alert_format>
  </integration>
</ossec_config>

# Step 2: Append the following blocks to the Wazuh server /var/ossec/etc/ossec.conf file. This enables active response and trigger the remove-threat.exe executable when the VirusTotal query returns positive matches for threats:
# Command: sudo vim /var/ossec/etc/ossec.conf
```

```
root@wazuh-server:/home/wazuh-user - 0 X
<nodes>
  <node>NODE_IP</node>
</nodes>
<hidden>no</hidden>
<disabled>yes</disabled>
</cluster>

</ossec_config>

<ossec_config>
  <localfile>
    <log_format>syslog</log_format>
    <location>/var/ossec/logs/active-responses.log</location>
  </localfile>

  <localfile>
    <log_format>syslog</log_format>
    <location>/var/log/messages</location>
  </localfile>

  <localfile>
    <log_format>syslog</log_format>
    <location>/var/log/secure</location>
  </localfile>

  <localfile>
    <log_format>syslog</log_format>
    <location>/var/log/maillog</location>
  </localfile>
</ossec_config>

<ossec_config>
  <integration>
    <name>virustotal</name>
    <api_key>77777777777777777777</api_key> <!-- Replace with your VirusTotal API key --&gt;
    &lt;group&gt;syscheck&lt;/group&gt;
    &lt;alert_format&gt;json&lt;/alert_format&gt;
  &lt;/integration&gt;
&lt;/ossec_config&gt;

-- INSERT --
416,1 Bot</pre>
```

```
root@wazuh-server:/home/wazuh-user - 0 X

<!-- Modify it at your will. -->
<!-- Copyright (C) 2015, Wazuh Inc. -->

<!-- Example -->
<group name="local_connecting_user">

<!--
Dec 10 01:02:02 host sshd[1234]: Failed none for root from 1.1.1.1 port 1066 ssh2
-->
<rule id="100000" level="10">
  <if_sid>5716</if_sid>
  <srcip>1.1.1.1</srcip>
  <description>sshd: authentication failed from IP 1.1.1.1.</description>
  <group>authentication_failed,pci_dss_10.2.4,pci_dss_10.2.5,</group>
</rule>
</group>

<group name="virustotal">
<rule id="100001" level="10">
  <if_sid>657</if_sid>
  <match>Successfully removed threat</match>
  <description>${parameters.program} removed threat located at ${parameters.alert.data.virustotal.source.file}</description>
</rule>

<rule id="100002" level="10">
  <if_sid>657</if_sid>
  <match>Error removing threat</match>
  <description>Error removing threat located at ${parameters.alert.data.virustotal.source.file}</description>
</rule>
</group>

<!--
-->
```

