

# Cisco

## Exam Questions 350-201

Performing CyberOps Using Core Security Technologies (CBRCOR)



**NEW QUESTION 1**

Drag and drop the phases to evaluate the security posture of an asset from the left onto the activity that happens during the phases on the right.

**Answer Area**

vulnerability assessment	gathering information on a target for future use
persistence	probing the target to discover operating system details
exploit	confirming the existence of known vulnerabilities in the target system
cover tracks	using previously identified vulnerabilities to gain access to the target system
reconnaissance	inserting backdoor access or covert channels to ensure access to the target system
enumeration	erasing traces of actions in audit logs and registry entries

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

vulnerability assessment	persistence
persistence	reconnaissance
exploit	vulnerability assessment
cover tracks	exploit
reconnaissance	enumeration
enumeration	cover tracks

**NEW QUESTION 2**

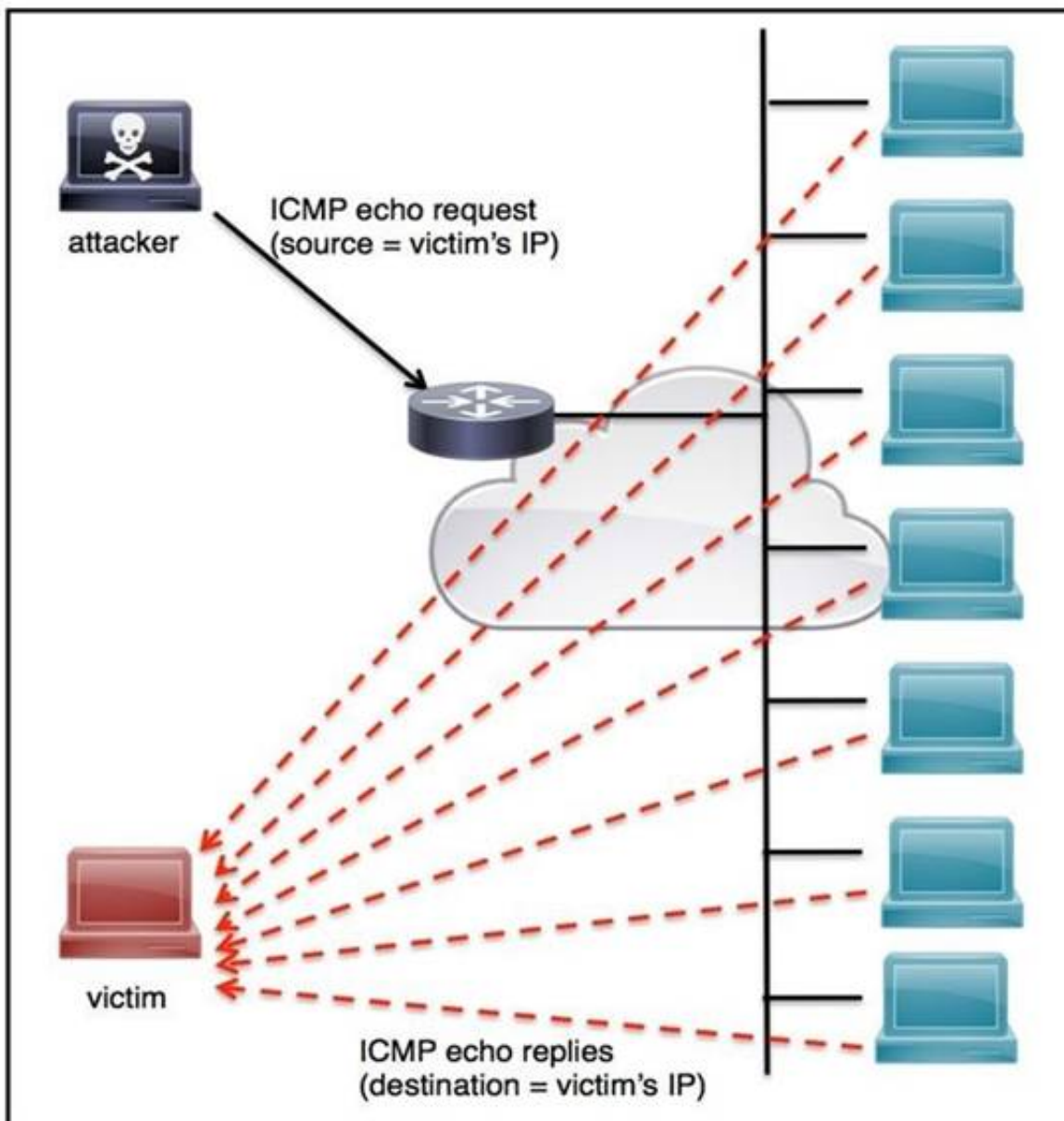
An employee who often travels abroad logs in from a first-seen country during non-working hours. The SIEM tool generates an alert that the user is forwarding an increased amount of emails to an external mail domain and then logs out. The investigation concludes that the external domain belongs to a competitor. Which two behaviors triggered UEBA? (Choose two.)

- A. domain belongs to a competitor
- B. log in during non-working hours
- C. email forwarding to an external domain
- D. log in from a first-seen country
- E. increased number of sent mails

Answer: AB

**NEW QUESTION 3**

Refer to the exhibit.



An engineer must tune the Cisco IOS device to mitigate an attack that is broadcasting a large number of ICMP packets. The attack is sending the victim's spoofed source IP to a network using an IP broadcast address that causes devices in the network to respond back to the source IP address. Which action does the engineer recommend?

- A. Use command `ip verify reverse-path interface`
- B. Use global configuration command `service tcp-keepalives-out`
- C. Use subinterface command `no ip directed-broadcast`
- D. Use logging trap 6

**Answer: A**

#### NEW QUESTION 4

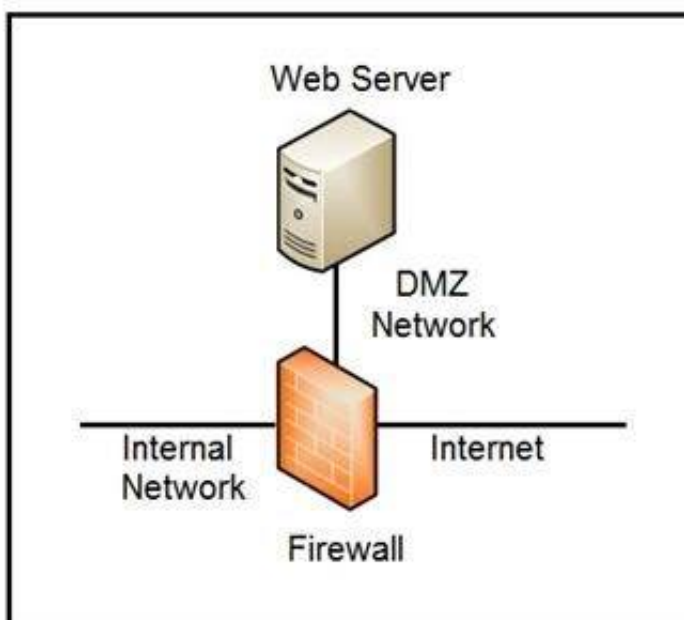
A SOC analyst is investigating a recent email delivered to a high-value user for a customer whose network their organization monitors. The email includes a suspicious attachment titled "Invoice RE: 0004489". The hash of the file is gathered from the Cisco Email Security Appliance. After searching Open Source Intelligence, no available history of this hash is found anywhere on the web. What is the next step in analyzing this attachment to allow the analyst to gather indicators of compromise?

- A. Run and analyze the DLP Incident Summary Report from the Email Security Appliance
- B. Ask the company to execute the payload for real time analysis
- C. Investigate further in open source repositories using YARA to find matches
- D. Obtain a copy of the file for detonation in a sandbox

**Answer: D**

#### NEW QUESTION 5

Refer to the exhibit.





Which two steps mitigate attacks on the webserver from the Internet? (Choose two.)

- A. Create an ACL on the firewall to allow only TLS 1.3
- B. Implement a proxy server in the DMZ network
- C. Create an ACL on the firewall to allow only external connections
- D. Move the webserver to the internal network

**Answer:** BD

#### NEW QUESTION 6

Refer to the exhibit.

```
{
  "type": "bundle",
  "id": "bundle--56be2a39",
  "objects": [
    {
      "type": "indicator",
      "spec_version": "2.1",
      "id": "indicator--d81f86b9-9f",
      "created": "2020-08-10T13:49:37.079Z",
      "modified": "2020-08-10T13:49:37.079Z",
      "name": "Malicious site hosting downloader",
      "indicator_types": [
        "malicious-activity"
      ],
      "pattern": "[url:value = 'http://y2z7atc.cn/4823/']",
      "pattern_type": "stix",
      "valid_from": "2020-08-10T13:49:37.079Z"
    },
    {
      "type": "malware",
      "spec_version": "2.1",
      "id": "malware--162d9 a",
      "created": "2020-08-13T09:15:17.182Z",
      "modified": "2020-08-13T09:15:17.182Z",
      "name": "y2z7atc backdoor",
      "malware_types": [
        "backdoor",
        "remote-access-trojan"
      ],
      "is_family": false,
      "kill_chain_phases": [
        {
          "kill_chain_name": "mandant-attack-lifecycle-model",
          "phase_name": "establish-foothold"
        }
      ]
    }
  ],
  "relationship": {
    "type": "relationship",
    "spec_version": "2.1",
    "id": "relationship--864af2e5",
    "created": "2020-08-15T18:03:58.029Z",
    "modified": "2020-08-15T18:03:58.029Z",
    "relationship_type": "indicates",
    "source_ref": "indicator--d81f86b9-975b-4c0b-875e-810c5ad45a4",
    "target_ref": "malware--162d917e07661-4611-b5d6-652791454fca"
  }
}
```

Which indicator of compromise is represented by this STIX?

- A. website redirecting traffic to ransomware server
- B. website hosting malware to download files
- C. web server vulnerability exploited by malware
- D. cross-site scripting vulnerability to backdoor server

**Answer:** C

**NEW QUESTION 7**

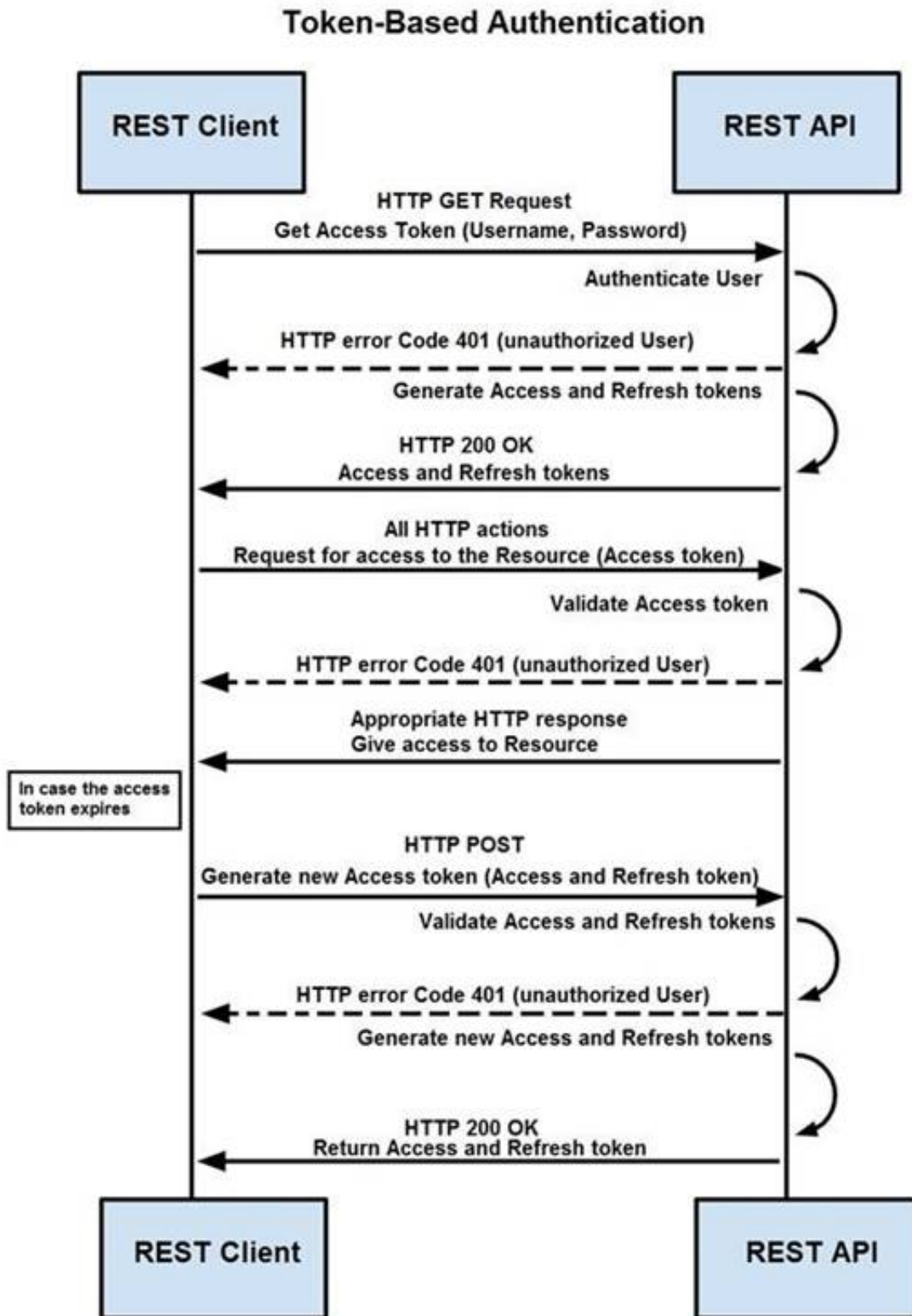
According to GDPR, what should be done with data to ensure its confidentiality, integrity, and availability?

- A. Perform a vulnerability assessment
- B. Conduct a data protection impact assessment
- C. Conduct penetration testing
- D. Perform awareness testing

**Answer: B**

**NEW QUESTION 8**

Refer to the exhibit.



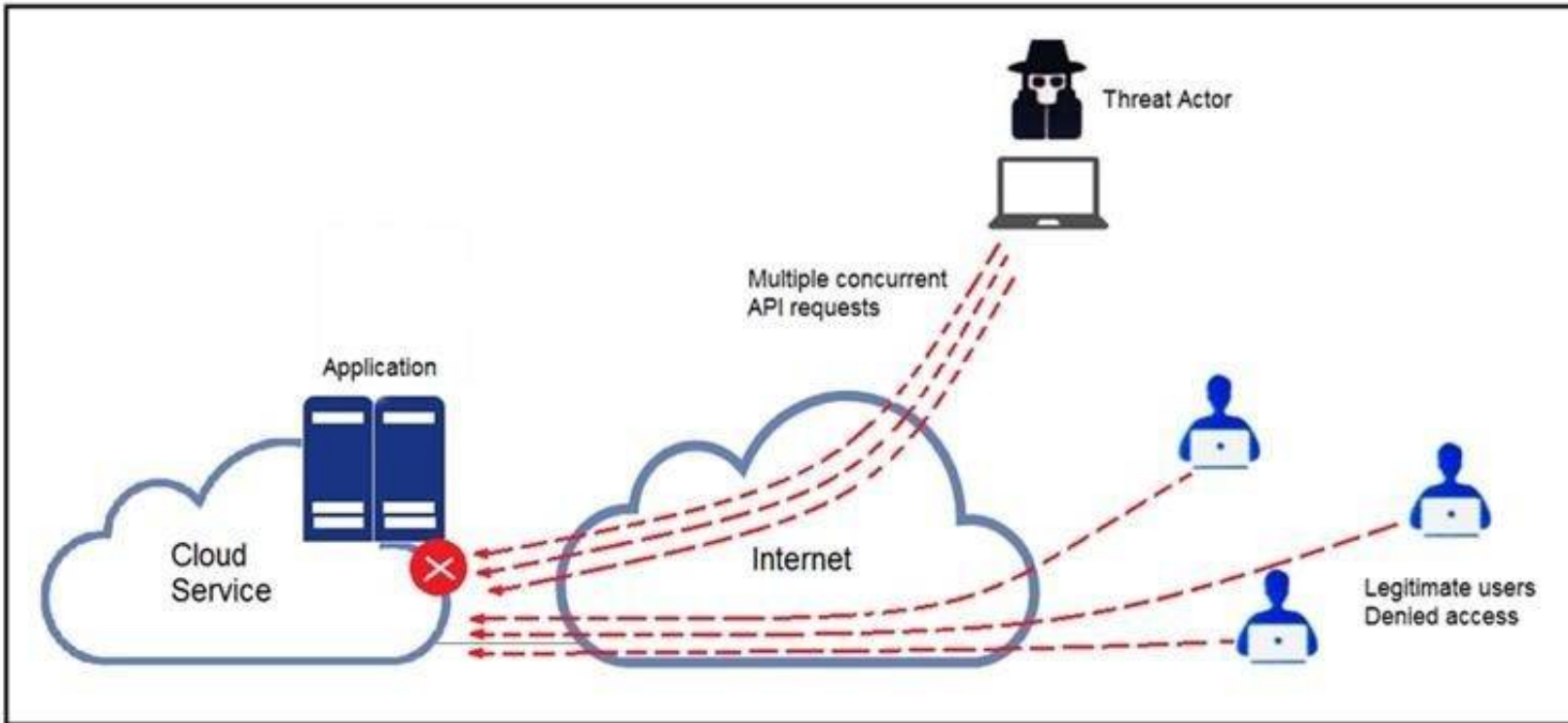
How are tokens authenticated when the REST API on a device is accessed from a REST API client?

- A. The token is obtained by providing a password
- B. The REST client requests access to a resource using the access token
- C. The REST API validates the access token and gives access to the resource.
- D. The token is obtained by providing a password
- E. The REST API requests access to a resource using the access token, validates the access token, and gives access to the resource.
- F. The token is obtained before providing a password
- G. The REST API provides resource access, refreshes tokens, and returns them to the REST client
- H. The REST client requests access to a resource using the access token.
- I. The token is obtained before providing a password
- J. The REST client provides access to a resource using the access token
- K. The REST API encrypts the access token and gives access to the resource.

**Answer: D**

**NEW QUESTION 9**

Refer to the exhibit.



A threat actor behind a single computer exploited a cloud-based application by sending multiple concurrent API requests. These requests made the application unresponsive. Which solution protects the application from being overloaded and ensures more equitable application access across the end-user community?

- A. Limit the number of API calls that a single client is allowed to make
- B. Add restrictions on the edge router on how often a single client can access the API
- C. Reduce the amount of data that can be fetched from the total pool of active clients that call the API
- D. Increase the application cache of the total pool of active clients that call the API

**Answer: A**

#### NEW QUESTION 10

A security analyst receives an escalation regarding an unidentified connection on the Accounting A1 server within a monitored zone. The analyst pulls the logs and discovers that a Powershell process and a WMI tool process were started on the server after the connection was established and that a PE format file was created in the system directory. What is the next step the analyst should take?

- A. Isolate the server and perform forensic analysis of the file to determine the type and vector of a possible attack
- B. Identify the server owner through the CMDB and contact the owner to determine if these were planned and identifiable activities
- C. Review the server backup and identify server content and data criticality to assess the intrusion risk
- D. Perform behavioral analysis of the processes on an isolated workstation and perform cleaning procedures if the file is malicious

**Answer: C**

#### NEW QUESTION 10

A threat actor used a phishing email to deliver a file with an embedded macro. The file was opened, and a remote code execution attack occurred in a company's infrastructure. Which steps should an engineer take at the recovery stage?

- A. Determine the systems involved and deploy available patches
- B. Analyze event logs and restrict network access
- C. Review access lists and require users to increase password complexity
- D. Identify the attack vector and update the IDS signature list

**Answer: B**

#### NEW QUESTION 12

Refer to the exhibit.



```
def get_umbrella_dispos(domains):
    # put in right format to pass as argument in POST request
    values = str(json.dumps(domains))
    req = requests.post(investigate_url, data=values, headers=headers)
    # time for timestamp of verdict domain
    time = datetime.now().isoformat()
    # error handling if true then the request was HTTP 200, so successful
    if(req.status_code == 200):
        print("SUCCESS: request has the following code: 200\n")
        output = req.json()

        [ ]

    if(domain_status == -1):
        print("The domain %(domain)s is found MALICIOUS at %(time)s\n" % {'domain': domain, 'time': time})
    elif(domain_status == 1):
        print("The domain %(domain)s is found CLEAN at %(time)s\n" %
              {'domain': domain, 'time': time})
    else:
        print("The domain %(domain)s is found UNDEFINED / RISKY at %(time)s\n" %
              {'domain': domain, 'time': time})
    else:
        print("An error has occurred with the following code %(error)s, please consult the following link:
              https://docs.umbrella.com/investigate-api/" %
              {'error': req.status_code})
```

Which code snippet will parse the response to identify the status of the domain as malicious, clean or undefined?

- A. 

```
for domain in domains[:]:
    domain_status = domain_output["status"]
```
- B. 

```
while domain in domains:
    domain_status = domain_output["status"]
```
- C. 

```
for domain in domains:
    domain_output = output[domain]
    domain_status = domain_output["status"]
```
- D. 

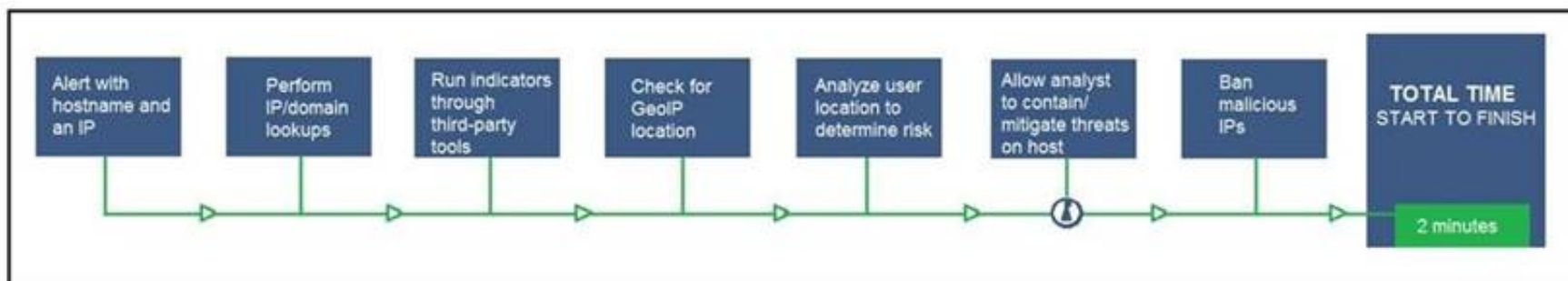
```
while domains in domains:
    domain_output = output[domain]
    domain_status = domain_output["status"]
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer: C**

#### NEW QUESTION 17

Refer to the exhibit.



An engineer configured this SOAR solution workflow to identify account theft threats and privilege escalation, evaluate risk, and respond by resolving the threat. This solution is handling more threats than Security analysts have time to analyze. Without this analysis, the team cannot be proactive and anticipate attacks. Which action will accomplish this goal?

- A. Exclude the step "BAN malicious IP" to allow analysts to conduct and track the remediation
- B. Include a step "Take a Snapshot" to capture the endpoint state to contain the threat for analysis
- C. Exclude the step "Check for GeoIP location" to allow analysts to analyze the location and the associated risk based on asset criticality
- D. Include a step "Reporting" to alert the security department of threats identified by the SOAR reporting engine

**Answer: A**

#### NEW QUESTION 22

An employee abused PowerShell commands and script interpreters, which lead to an indicator of compromise (IOC) trigger. The IOC event shows that a known malicious file has been executed, and there is an increased likelihood of a breach. Which indicator generated this IOC event?

- A. ExecutedMalware.ioc
- B. Crossrider.ioc

- C. ConnectToSuspiciousDomain.ioc
- D. W32 AccesschkUtility.ioc

**Answer:** D

**NEW QUESTION 27**

Refer to the exhibit.

Max (K)	Retain	OverflowAction	Entries	Log
-----	-----	-----	-----	---
15,168	0	OverwriteAsNeeded	20,792	Application
15,168	0	OverwriteAsNeeded	12,559	System
15,360	0	OverwriteAsNeeded	11,173	Windows PowerShell

An employee is a victim of a social engineering phone call and installs remote access software to allow an “MS Support” technician to check his machine for malware. The employee becomes suspicious after the remote technician requests payment in the form of gift cards. The employee has copies of multiple, unencrypted database files, over 400 MB each, on his system and is worried that the scammer copied the files off but has no proof of it. The remote technician was connected sometime between 2:00 pm and 3:00 pm over https. What should be determined regarding data loss between the employee’s laptop and the remote technician’s system?

- A. No database files were disclosed
- B. The database files were disclosed
- C. The database files integrity was violated
- D. The database files were intentionally corrupted, and encryption is possible

**Answer:** C

**NEW QUESTION 29**

An engineer is moving data from NAS servers in different departments to a combined storage database so that the data can be accessed and analyzed by the organization on-demand. Which data management process is being used?

- A. data clustering
- B. data regression
- C. data ingestion
- D. data obfuscation

**Answer:** A

**NEW QUESTION 33**

Refer to the exhibit.

```
alert tcp $EXTERNAL_NET any -> $HOME_NET 143 ( msg:"PROTOCOL-IMAP login brute force attempt";
flow:to_server,established,no_stream;
content:"LOGIN",fast_pattern,nocase; detection_filter:track
by_dst, count 5, seconds 900; metadata:ruleset community;
service:imap; reference:url,attack.mitre.org/techniques/T1110;
classtype:suspicious-login; sid:2273; rev:12; )
```

IDS is producing an increased amount of false positive events about brute force attempts on the organization’s mail server. How should the Snort rule be modified to improve performance?

- A. Block list of internal IPs from the rule
- B. Change the rule content match to case sensitive
- C. Set the rule to track the source IP
- D. Tune the count and seconds threshold of the rule

**Answer:** B

**NEW QUESTION 38**

Refer to the exhibit.



<p><b>Vulnerability #1</b></p> <p>A vulnerability in the Command Line Interpreter (CLI) of ACME Super Firewall (all models) could allow an attacker to execute a command which would overflow a buffer in memory. In order to carry out this attack, the attacker needs to fulfill all of the following conditions:</p> <p>a) Be logged in to the device over telnet or SSH, or through the local console  b) Be logged in as a high-privileges administrative user</p> <p>In order to trigger the vulnerability, the attacker has to execute a command on the device and supply a specially crafted argument to such command. Once the command is executed, an internal stack-based buffer overflow will be triggered. This buffer overflow may lead to code execution within the process space of the CLI parser, or may crash the device.</p> <p>All software versions are affected  Fixes are available now  There are no workarounds or mitigations</p>	<p><b>Vulnerability #2</b></p> <p>A vulnerability in the web-based management interface of the ACME Big Router models 1010 and 1020 could allow an attacker to bypass authorization checks and then access sensitive information on the device, modify the device's configuration, impact the availability of the system, create administrative level and regular level users on the device. In order to exploit this vulnerability, the attacker needs to:</p> <p>a) Be able to reach port 80/tcp on an affected device  b) The web-based management interface needs to be enabled on the device</p> <p>The attacker would then need to send a specially formed HTTP request to the web-based management interface of an affected system. The attacker does not need to log-in to the device before launching the attack.</p> <p>All software versions are affected  There are no fixes available now  Customers can disable the web-based management interface to prevent exploitation. Customers will still be able to manage, configure and monitor the device by using the Command Line Interface (CLI), but with reduced capabilities for monitoring.</p>
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How must these advisories be prioritized for handling?

- A. The highest priority for handling depends on the type of institution deploying the devices
- B. Vulnerability #2 is the highest priority for every type of institution
- C. Vulnerability #1 and vulnerability #2 have the same priority
- D. Vulnerability #1 is the highest priority for every type of institution

**Answer: D**

#### NEW QUESTION 39

What is a principle of Infrastructure as Code?

- A. System maintenance is delegated to software systems
- B. Comprehensive initial designs support robust systems
- C. Scripts and manual configurations work together to ensure repeatable routines
- D. System downtime is grouped and scheduled across the infrastructure

**Answer: B**

#### NEW QUESTION 42

An engineer wants to review the packet overviews of SNORT alerts. When printing the SNORT alerts, all the packet headers are included, and the file is too large to utilize. Which action is needed to correct this problem?

- A. Modify the alert rule to "output alert\_syslog: output log"
- B. Modify the output module rule to "output alert\_quick: output filename"
- C. Modify the alert rule to "output alert\_syslog: output header"
- D. Modify the output module rule to "output alert\_fast: output filename"

**Answer: A**

#### NEW QUESTION 46

Refer to the exhibit.

Asset	Threat	Vulnerability	Likelihood (1-10)	Impact (1-10)
Servers	Natural Disasters – Flooding	Server Room is on the zero floor	3	10
Secretary Workstation	Usage of illegitimate software	Inadequate control of software	7	6
Payment Process	Eavesdropping, Misrouting/re-routing of messages	Unencrypted communications	5	10
Website	Website Intrusion	No IDS/IPS usage	6	8

Which asset has the highest risk value?

- A. servers
- B. website
- C. payment process
- D. secretary workstation

**Answer:** C

**NEW QUESTION 49**

A Mac laptop user notices that several files have disappeared from their laptop documents folder. While looking for the files, the user notices that the browser history was recently cleared. The user raises a case, and an analyst reviews the network usage and discovers that it is abnormally high. Which step should be taken to continue the investigation?

- A. Run the sudo sysdiagnose command
- B. Run the sh command
- C. Run the w command
- D. Run the who command

**Answer:** A

**NEW QUESTION 51**

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