Cisco

Exam Questions 200-201

Understanding Cisco Cybersecurity Operations Fundamentals

NEW QUESTION 1
Refer to the exhibit.

Top 10 Src IP Addr ordered by flows:

Date first seen	Duration	Src IP Addr	Flows	Packets	Bytes	pps	bps	bpp
2019-11-30 06:45:50.990	1147.332	192.168.12.234	109183	202523	13.1 M	176	96116	68
2019-11-30 06:45:02.928	1192.834	10.10.151.203	62794	219715	25.9 M	184	182294	123
2019-11-30 06:59:24.563	330.110	192.168.28.173	27864	47943	2.2 M	145	55769	48

What information is depicted?

A. IIS data
B. NetFlow data
C. network discovery event
D. IPS event data

Answer: B

NEW QUESTION 2
What is the difference between a threat and a risk?

A. Threat represents a potential danger that could take advantage of a weakness in a system
B. Risk represents the known and identified loss or danger in the system
C. Risk represents the nonintentional interaction with uncertainty in the system
D. Threat represents a state of being exposed to an attack or a compromise either physically or logically

Answer: A

NEW QUESTION 3
Which two elements are assets in the role of attribution in an investigation? (Choose two.)

A. context
B. session
C. laptop
D. firewall logs
E. threat actor

Answer: AE

NEW QUESTION 4
Refer to the exhibit.

Interface: 192.168.1.29 --- 0x11

Internet Address	Physical Address	Type
192.168.1.10	d8-a7-56-d7-19-ea	dynamic
192.168.1.67	d8-a7-56-d7-19-ea	dynamic
192.168.1.1	01-00-5e-00-00-16	static

What is occurring in this network?

A. ARP cache poisoning
B. DNS cache poisoning
C. MAC address table overflow
D. MAC flooding attack

Answer: A

NEW QUESTION 5
What is the difference between deep packet inspection and stateful inspection?

A. Deep packet inspection is more secure than stateful inspection on Layer 4
B. Stateful inspection verifies contents at Layer 4 and deep packet inspection verifies connection at Layer 7
C. Stateful inspection is more secure than deep packet inspection on Layer 7
D. Deep packet inspection allows visibility on Layer 7 and stateful inspection allows visibility on Layer 4

Answer: D

NEW QUESTION 6
You have identified a malicious file in a sandbox analysis tool. Which piece of file information from the analysis is needed to search for additional downloads of this file by other hosts?

A. file name
B. file hash value
C. file type
D. file size

Answer: B

NEW QUESTION 7
What is a benefit of agent-based protection when compared to agentless protection?

A. It lowers maintenance costs
B. It provides a centralized platform
C. It collects and detects all traffic locally
D. It manages numerous devices simultaneously

Answer: B

NEW QUESTION 8
What is the difference between statistical detection and rule-based detection models?

A. Rule-based detection involves the collection of data in relation to the behavior of legitimate users over a period of time
B. Statistical detection defines legitimate data of users over a period of time and rule-based detection defines it on an IF/THEN basis
C. Statistical detection involves the evaluation of an object on its intended actions before it executes that behavior
D. Rule-based detection defines legitimate data of users over a period of time and statistical detection defines it on an IF/THEN basis

Answer: B

NEW QUESTION 9
Refer to the exhibit.

```
Mar 6 10:35:34 user sshd[12900]: pam_unix(sshd:auth):authentication failure;
logname= uid=0 euid=0 tty=ssh ruser= rhost=127.0.0.1
Mar 6 10:35:36 user sshd[12900]: Failed password for invalid user not_bill from
127.0.0.1 port 38346 ssh2
```

In which Linux log file is this output found?

A. /var/log/authorization.log
B. /var/log/dmesg
C. var/log/var.log
D. /var/log/auth.log

Answer: D

NEW QUESTION 10
Drag and drop the access control models from the left onto the correct descriptions on the right.

MAC	object owner determines permissions
ABAC	OS determines permissions
RBAC	role of the subject determines permissions
DAC	attributes of the subject determines permissions

A. Mastered
B. Not Mastered

Answer: A

Explanation:

MAC	DAC
ABAC	MAC
RBAC	RBAC
DAC	ABAC

NEW QUESTION 10
Which category relates to improper use or disclosure of PII data?

A. legal
B. compliance
C. regulated
D. contractual

Answer: C

NEW QUESTION 13
Refer to the exhibit.

```
<IMG SRC=j%41vascript:alert('attack')>
```

Which kind of attack method is depicted in this string?

A. cross-site scripting
B. man-in-the-middle
C. SQL injection
D. denial of service

Answer: A

NEW QUESTION 16
Refer to the exhibit.

```
GET /item.php?id=34' or sleep(10)
```

This request was sent to a web application server driven by a database. Which type of web server attack is represented?

A. parameter manipulation
B. heap memory corruption
C. command injection
D. blind SQL injection

Answer: D

NEW QUESTION 20
What does an attacker use to determine which network ports are listening on a potential target device?

A. man-in-the-middle
B. port scanning
C. SQL injection
D. ping sweep

Answer: B

NEW QUESTION 25
Which attack method intercepts traffic on a switched network?

A. denial of service
B. ARP cache poisoning
C. DHCP snooping
D. command and control

Answer: C

NEW QUESTION 26
Which regular expression matches "color" and "colour"?

A. colo?ur
B. col[08]+our
C. colou?r
D. col[09]+our

Answer: C

NEW QUESTION 30
How does certificate authority impact a security system?

A. It authenticates client identity when requesting SSL certificate
B. It validates domain identity of a SSL certificate
C. It authenticates domain identity when requesting SSL certificate

D. It validates client identity when communicating with the server

Answer: B

NEW QUESTION 32
What is the difference between mandatory access control (MAC) and discretionary access control (DAC)?

A. MAC is controlled by the discretion of the owner and DAC is controlled by an administrator
B. MAC is the strictest of all levels of control and DAC is object-based access
C. DAC is controlled by the operating system and MAC is controlled by an administrator
D. DAC is the strictest of all levels of control and MAC is object-based access

Answer: B

NEW QUESTION 34
What is a difference between inline traffic interrogation and traffic mirroring?

A. Inline inspection acts on the original traffic data flow
B. Traffic mirroring passes live traffic to a tool for blocking
C. Traffic mirroring inspects live traffic for analysis and mitigation
D. Inline traffic copies packets for analysis and security

Answer: B

NEW QUESTION 35
What are two differences in how tampered and untampered disk images affect a security incident? (Choose two.)

A. Untampered images are used in the security investigation process
B. Tampered images are used in the security investigation process
C. The image is tampered if the stored hash and the computed hash match
D. Tampered images are used in the incident recovery process
E. The image is untampered if the stored hash and the computed hash match

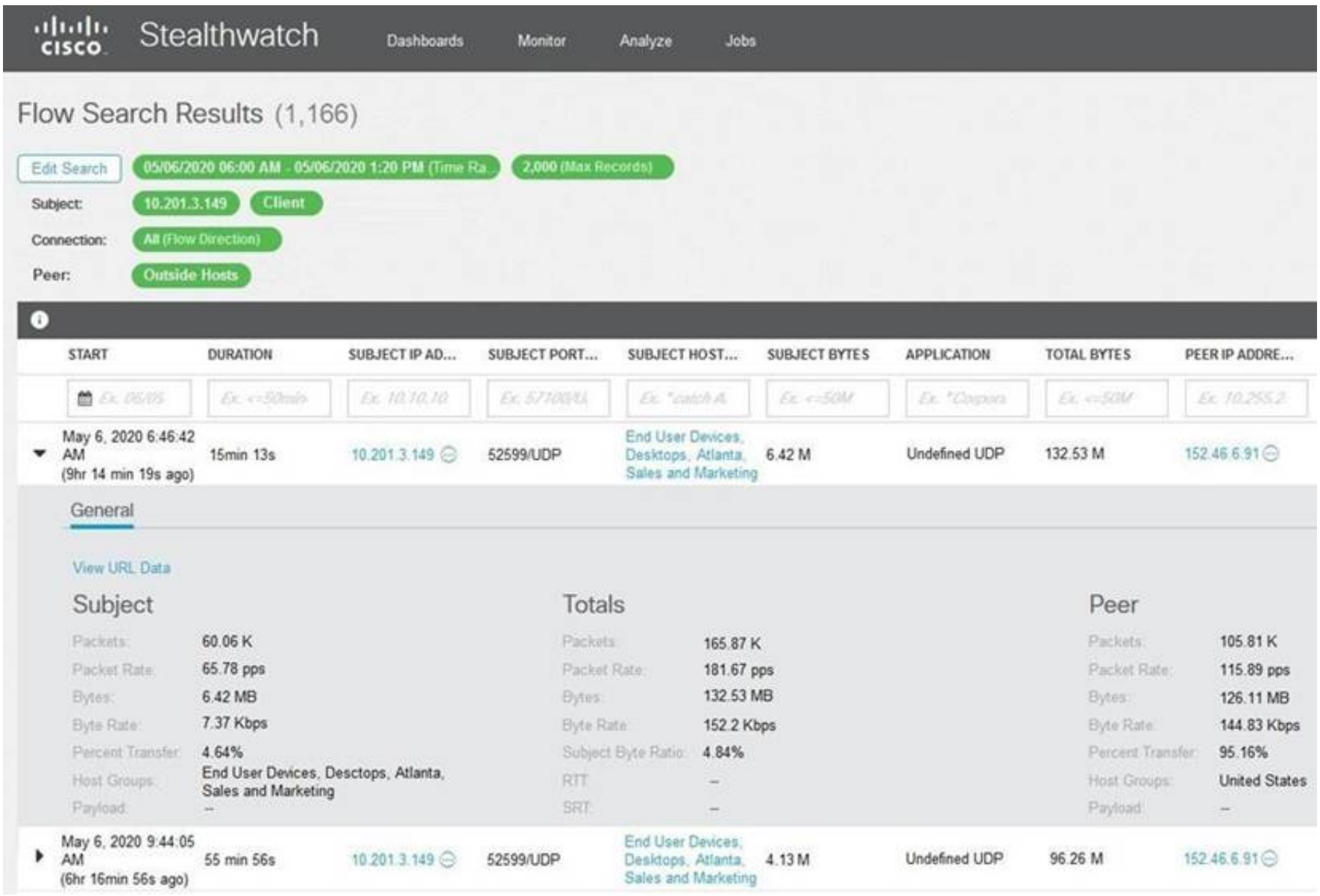
Answer: BE

NEW QUESTION 39
What should a security analyst consider when comparing inline traffic interrogation with traffic tapping to determine which approach to use in the network?

A. Tapping interrogation replicates signals to a separate port for analyzing traffic
B. Tapping interrogations detect and block malicious traffic
C. Inline interrogation enables viewing a copy of traffic to ensure traffic is in compliance with security policies
D. Inline interrogation detects malicious traffic but does not block the traffic

Answer: A

NEW QUESTION 40
Refer to the exhibit.



What is the potential threat identified in this Stealthwatch dashboard?

A. Host 10.201.3.149 is sending data to 152.46.6.91 using TCP/443.
B. Host 152.46.6.91 is being identified as a watchlist country for data transfer.
C. Traffic to 152.46.6.149 is being denied by an Advanced Network Control policy.
D. Host 10.201.3.149 is receiving almost 19 times more data than is being sent to host 152.46.6.91.

Answer: D

NEW QUESTION 41
What is the practice of giving employees only those permissions necessary to perform their specific role within an organization?

A. least privilege
B. need to know
C. integrity validation
D. due diligence

Answer: A

NEW QUESTION 43
Which principle is being followed when an analyst gathers information relevant to a security incident to determine the appropriate course of action?

A. decision making
B. rapid response
C. data mining
D. due diligence

Answer: A

NEW QUESTION 47
Which regex matches only on all lowercase letters?

A. [az]+
B. [^az]+
C. az+
D. a*z+

Answer: A

NEW QUESTION 52
An analyst discovers that a legitimate security alert has been dismissed. Which signature caused this impact on network traffic?

A. true negative
B. false negative

C. false positive
D. true positive

Answer: B

NEW QUESTION 53
An intruder attempted malicious activity and exchanged emails with a user and received corporate information, including email distribution lists. The intruder asked the user to engage with a link in an email. When the fink launched, it infected machines and the intruder was able to access the corporate network.
Which testing method did the intruder use?

A. social engineering
B. eavesdropping
C. piggybacking
D. tailgating

Answer: A

NEW QUESTION 57
Which artifact is used to uniquely identify a detected file?

A. file timestamp
B. file extension
C. file size
D. file hash

Answer: D

NEW QUESTION 60
The target web application server is running as the root user and is vulnerable to command injection. Which result of a successful attack is true?

A. cross-site scripting
B. cross-site scripting request forgery
C. privilege escalation
D. buffer overflow

Answer: B

NEW QUESTION 62
How does an SSL certificate impact security between the client and the server?

A. by enabling an authenticated channel between the client and the server
B. by creating an integrated channel between the client and the server
C. by enabling an authorized channel between the client and the server
D. by creating an encrypted channel between the client and the server

Answer: D

NEW QUESTION 64
What is the virtual address space for a Windows process?

A. physical location of an object in memory
B. set of pages that reside in the physical memory
C. system-level memory protection feature built into the operating system
D. set of virtual memory addresses that can be used

Answer: D

NEW QUESTION 69
What do the Security Intelligence Events within the FMC allow an administrator to do?

A. See if a host is connecting to a known-bad domain.
B. Check for host-to-server traffic within your network.
C. View any malicious files that a host has downloaded.
D. Verify host-to-host traffic within your network.

Answer: A

NEW QUESTION 72
What makes HTTPS traffic difficult to monitor?

A. SSL interception
B. packet header size
C. signature detection time
D. encryption

Answer: D

NEW QUESTION 75
What causes events on a Windows system to show Event Code 4625 in the log messages?

A. The system detected an XSS attack
B. Someone is trying a brute force attack on the network
C. Another device is gaining root access to the system
D. A privileged user successfully logged into the system

Answer: B

NEW QUESTION 78
Refer to the exhibit.

Severity	Date	Time	Sig ID	Source IP	Source Port	Dest IP	Dest Port	Description
6	Jan 15 2020	05:15:22	33883	62.5.22.54	22557	198.168.5.22	53	*

Which type of log is displayed?

A. IDS
B. proxy
C. NetFlow
D. sys

Answer: D

NEW QUESTION 83
Which two components reduce the attack surface on an endpoint? (Choose two.)

A. secure boot
B. load balancing
C. increased audit log levels
D. restricting USB ports
E. full packet captures at the endpoint

Answer: AD

NEW QUESTION 87
What is an attack surface as compared to a vulnerability?

A. any potential danger to an asset
B. the sum of all paths for data into and out of the application
C. an exploitable weakness in a system or its design
D. the individuals who perform an attack

Answer: B

NEW QUESTION 88
Which utility blocks a host portscan?

A. HIDS
B. sandboxing
C. host-based firewall
D. antimalware

Answer: C

NEW QUESTION 89
Which security principle requires more than one person is required to perform a critical task?

A. least privilege
B. need to know
C. separation of duties
D. due diligence

Answer: C

NEW QUESTION 90
Which type of attack occurs when an attacker is successful in eavesdropping on a conversation between two IP phones?

A. known-plaintext
B. replay
C. dictionary

D. man-in-the-middle

Answer: D

NEW QUESTION 93
A network engineer discovers that a foreign government hacked one of the defense contractors in their home country and stole intellectual property. What is the threat agent in this situation?

A. the intellectual property that was stolen
B. the defense contractor who stored the intellectual property
C. the method used to conduct the attack
D. the foreign government that conducted the attack

Answer: D

NEW QUESTION 97
A system administrator is ensuring that specific registry information is accurate.
Which type of configuration information does the HKEY_LOCAL_MACHINE hive contain?

A. file extension associations
B. hardware, software, and security settings for the system
C. currently logged in users, including folders and control panel settings
D. all users on the system, including visual settings

Answer: B

NEW QUESTION 101
An analyst is investigating an incident in a SOC environment. Which method is used to identify a session from a group of logs?

A. sequence numbers
B. IP identifier
C. 5-tuple
D. timestamps

Answer: C

NEW QUESTION 106
Which event artifact is used to identify HTTP GET requests for a specific file?

A. destination IP address
B. URI
C. HTTP status code
D. TCP ACK

Answer: B

NEW QUESTION 107
Which event is user interaction?

A. gaining root access
B. executing remote code
C. reading and writing file permission
D. opening a malicious file

Answer: D

NEW QUESTION 108
What are two social engineering techniques? (Choose two.)

A. privilege escalation
B. DDoS attack
C. phishing
D. man-in-the-middle
E. pharming

Answer: CE

NEW QUESTION 112
Which two elements are used for profiling a network? (Choose two.)

A. session duration
B. total throughput
C. running processes
D. listening ports
E. OS fingerprint

Answer: DE

NEW QUESTION 116
Which action prevents buffer overflow attacks?

A. variable randomization
B. using web based applications
C. input sanitization
D. using a Linux operating system

Answer: C

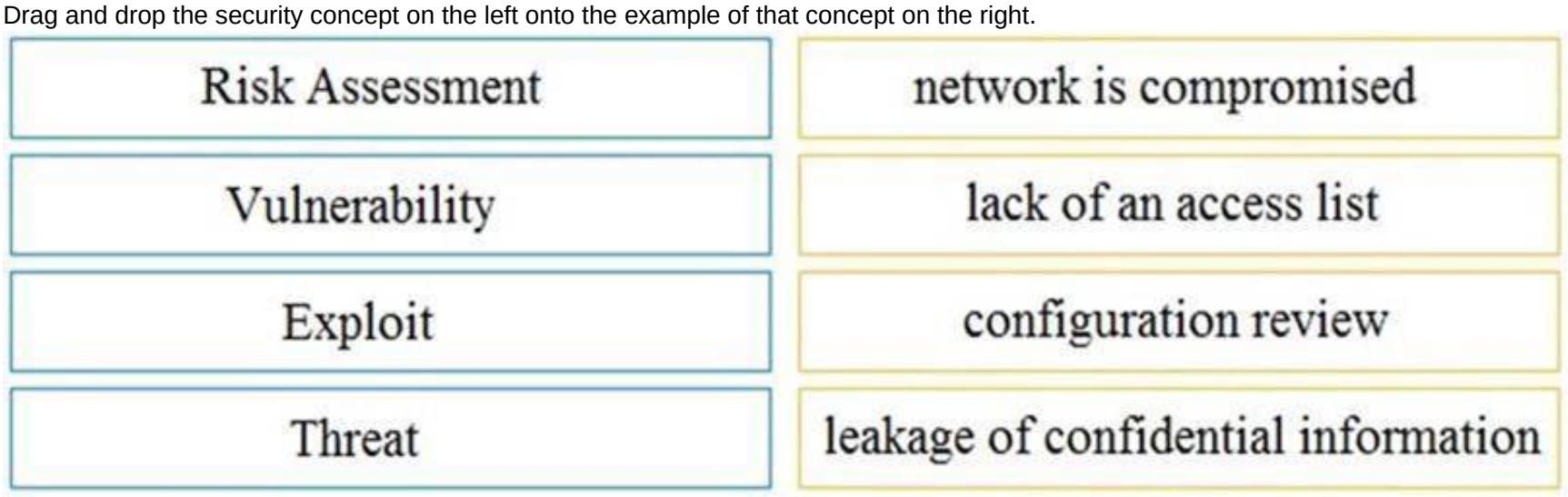
NEW QUESTION 120
Refer to the exhibit.

Which two elements in the table are parts of the 5-tuple? (Choose two.)

A. First Packet
B. Initiator User
C. Ingress Security Zone
D. Source Port
E. Initiator IP

Answer: DE

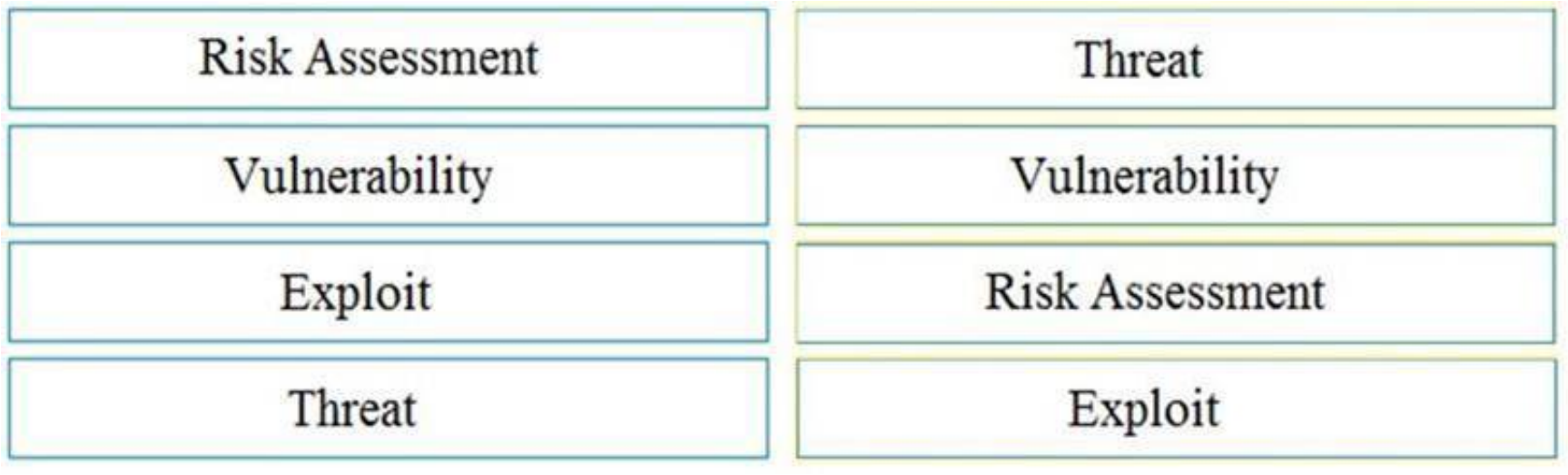
NEW QUESTION 125
Drag and drop the security concept on the left onto the example of that concept on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 126
Which type of data consists of connection level, application-specific records generated from network traffic?

A. transaction data
B. location data
C. statistical data
D. alert data

Answer: A

NEW QUESTION 127
In a SOC environment, what is a vulnerability management metric?

A. code signing enforcement
B. full assets scan
C. internet exposed devices
D. single factor authentication

Answer: D

NEW QUESTION 131
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