Cisco

Exam Questions 200-201

Understanding Cisco Cybersecurity Operations Fundamentals

NEW QUESTION 1
During which phase of the forensic process is data that is related to a specific event labeled and recorded to preserve its integrity?

A. examination
B. investigation
C. collection
D. reporting

Answer: C

NEW QUESTION 2
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 3
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 4
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 5
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 6
Refer to the exhibit.

No.	Time	Source	Destination	Protocol	Length	Info
1878	6.473353	173.37.145.84	10.0.2.15	TCP	62	80→49522 [ACK] Seq=14404 Ack=2987 Win=65535 Len=0
1986	6.736855	173.37.145.84	10.0.2.15	HTTP	245	HTTP/1.1 304 Not Modified
1987	6.736873	10.0.2.15	173.37.145.84	TCP	56	49522→80 [ACK] Seq=2987 Ack=14593 Win=59640 Len=0
2317	7.245088	10.0.2.15	173.37.145.84	TCP	2976	[TCP segment of a reassembled PDU]
2318	7.245192	10.0.2.15	173.37.145.84	HTTP	1020	GET /web/fw/i/ntpagetag.gif?js=1&ts=147629607552.286&tc
2321	7.246633	173.37.145.84	10.0.2.15	TCP	62	80→49522 [ACK] Seq=14593 Ack=4447 Win=65535 Len=0
2322	7.246640	173.37.145.84	10.0.2.15	TCP	62	80→49522 [ACK] Seq=14593 Ack=5907 Win=65535 Len=0
2323	7.246642	173.37.145.84	10.0.2.15	TCP	62	80→49522 [ACK] Seq=14593 Ack=6871 Win=65535 Len=0
2542	7.512750	173.37.145.84	10.0.2.15	HTTP	442	HTTP/1.1 200 OK (GIF89a)
2543	7.512781	10.0.2.15	173.37.145.84	TCP	56	49522→80 [ACK] Seq=6871 Ack=14979 Win=62480 Len=0

Which packet contains a file that is extractable within Wireshark?

A. 2317

B. 1986
C. 2318
D. 2542

Answer: D

NEW QUESTION 7
Which type of evidence supports a theory or an assumption that results from initial evidence?

A. probabilistic
B. indirect
C. best
D. corroborative

Answer: D

NEW QUESTION 8
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 9
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

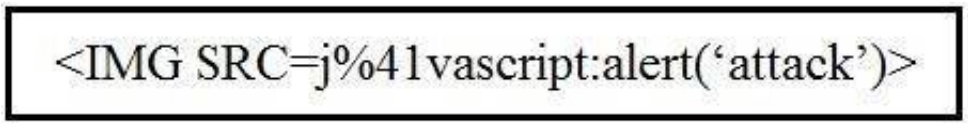
Answer: C

NEW QUESTION 10
What is a purpose of a vulnerability management framework?

A. identifies, removes, and mitigates system vulnerabilities
B. detects and removes vulnerabilities in source code
C. conducts vulnerability scans on the network
D. manages a list of reported vulnerabilities

Answer: A

NEW QUESTION 14
Refer to the exhibit.



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
Which type of data collection requires the largest amount of storage space?

A. alert data
B. transaction data
C. session data
D. full packet capture

Answer: D

NEW QUESTION 17
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 21
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 24
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 25
Which security principle is violated by running all processes as root or administrator?

A. principle of least privilege
B. role-based access control
C. separation of duties
D. trusted computing base

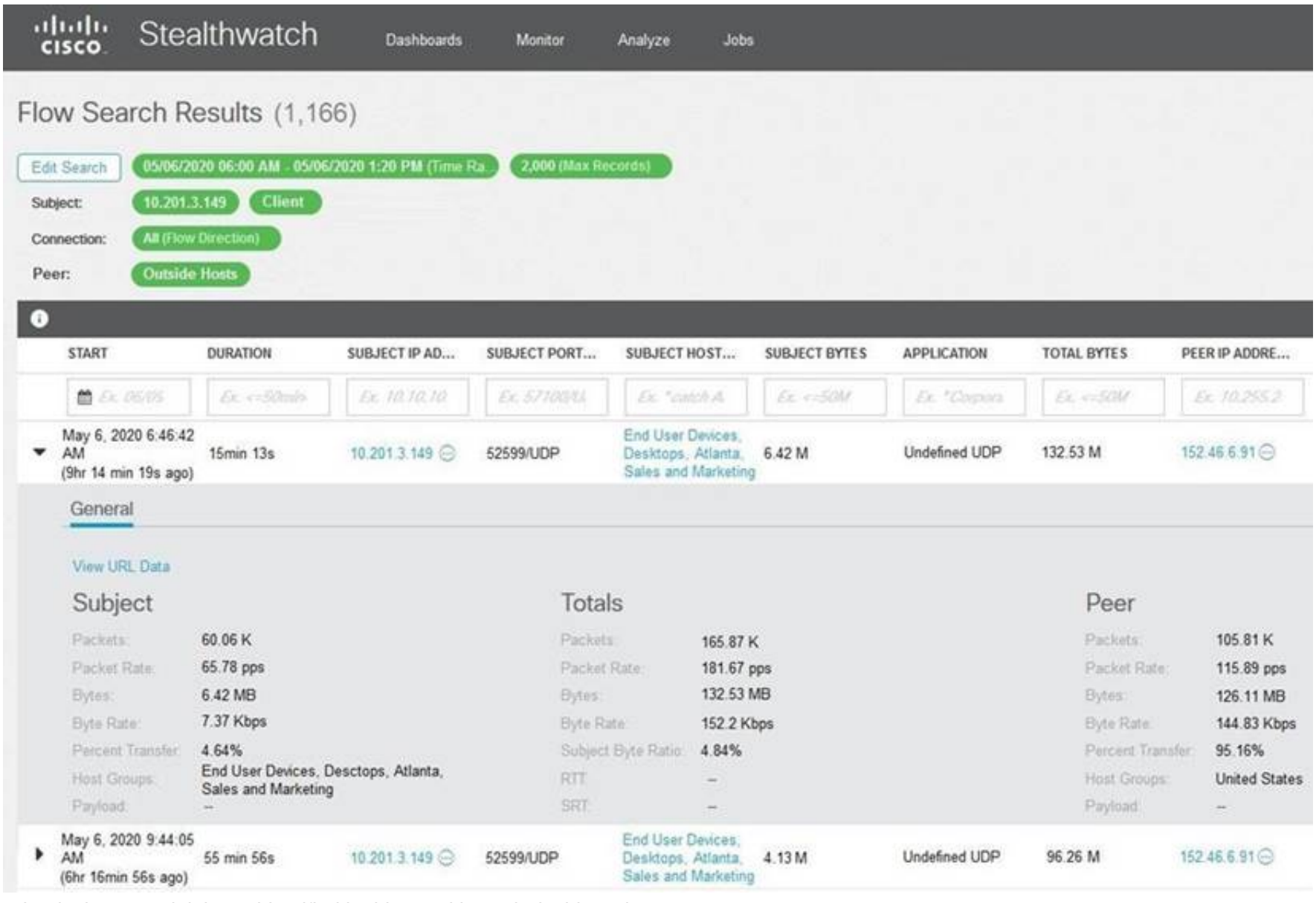
Answer: A

NEW QUESTION 28
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 30
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 33
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 35
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 40
What are the two characteristics of the full packet captures? (Choose two.)

A. Identifying network loops and collision domains.
B. Troubleshooting the cause of security and performance issues.
C. Reassembling fragmented traffic from raw data.
D. Detecting common hardware faults and identify faulty assets.
E. Providing a historical record of a network transaction.

Answer: CE

NEW QUESTION 43
Which signature impacts network traffic by causing legitimate traffic to be blocked?

A. false negative
B. true positive
C. true negative
D. false positive

Answer: D

NEW QUESTION 48
A security engineer has a video of a suspect entering a data center that was captured on the same day that files in the same data center were transferred to a competitor.
Which type of evidence is this?

A. best evidence
B. prima facie evidence
C. indirect evidence
D. physical evidence

Answer: C

NEW QUESTION 53
Which evasion technique is indicated when an intrusion detection system begins receiving an abnormally high volume of scanning from numerous sources?

A. resource exhaustion
B. tunneling
C. traffic fragmentation
D. timing attack

Answer: A

NEW QUESTION 56
A security specialist notices 100 HTTP GET and POST requests for multiple pages on the web servers. The agent in the requests contains PHP code that, if executed, creates and writes to a new PHP file on the webserver. Which event category is described?

A. reconnaissance
B. action on objectives
C. installation
D. exploitation

Answer: C

NEW QUESTION 57
Refer to the exhibit.

```
10.44.101.23 - - [20/Nov/2017:14:18:06 -0500] "GET / HTTP/1.1"
200 1254 "-" "Mozilla/5.0(X11; Ubuntu; Linux x86_64; rv:54.0)
Gecko/20100101 Firefox/54.0"
```

What does the message indicate?

A. an access attempt was made from the Mosaic web browser
B. a successful access attempt was made to retrieve the password file
C. a successful access attempt was made to retrieve the root of the website
D. a denied access attempt was made to retrieve the password file

Answer: C

NEW QUESTION 60
Which system monitors local system operation and local network access for violations of a security policy?

A. host-based intrusion detection
B. systems-based sandboxing
C. host-based firewall
D. antivirus

Answer: C

NEW QUESTION 63
Which NIST IR category stakeholder is responsible for coordinating incident response among various business units, minimizing damage, and reporting to regulatory agencies?

A. CSIRT
B. PSIRT
C. public affairs
D. management

Answer: D

NEW QUESTION 66
A security expert is working on a copy of the evidence, an ISO file that is saved in CDFS format. Which type of evidence is this file?

A. CD data copy prepared in Windows
B. CD data copy prepared in Mac-based system
C. CD data copy prepared in Linux system
D. CD data copy prepared in Android-based system

Answer: A

NEW QUESTION 68
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 69
Refer to the exhibit.

```
# nmap -sV 172.18.104.139

Starting Nmap 7.01 ( https://nmap.org ) at 2020-03-07 11:36 EST
Nmap scan report for 172.18.104.139
Host is up (0.000018s latency).
Not shown: 996 closed ports
PORT    STATE SERVICE  VERSION
22/tcp  open  ssh      OpenSSH 7.2p2 Ubuntu 4ubuntu2.4 (Ubuntu Linux; protocol 2.0)
25/tcp  open  smtp     Postfix smtpd
110/tcp open  pop3     Dovecot pop3d
143/tcp open  imap     Dovecot imapd
Service Info: Host:   172.18.108.139; OS: Linux; CPE: cpe:/o:linux:linux_kernel
```

What does the output indicate about the server with the IP address 172.18.104.139?

A. open ports of a web server
B. open port of an FTP server
C. open ports of an email server
D. running processes of the server

Answer: C

NEW QUESTION 70
Which utility blocks a host portscan?

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

Answer: C

NEW QUESTION 72
When communicating via TLS, the client initiates the handshake to the server and the server responds back with its certificate for identification. Which information is available on the server certificate?

A. server name, trusted subordinate CA, and private key
B. trusted subordinate CA, public key, and cipher suites
C. trusted CA name, cipher suites, and private key

D. server name, trusted CA, and public key

Answer: D

NEW QUESTION 75
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 76
A SOC analyst is investigating an incident that involves a Linux system that is identifying specific sessions. Which identifier tracks an active program?

A. application identification number
B. active process identification number
C. runtime identification number
D. process identification number

Answer: D

NEW QUESTION 81
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 85
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 87
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 89
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 90
Which access control model does SELinux use?

A. RBAC
B. DAC
C. MAC
D. ABAC

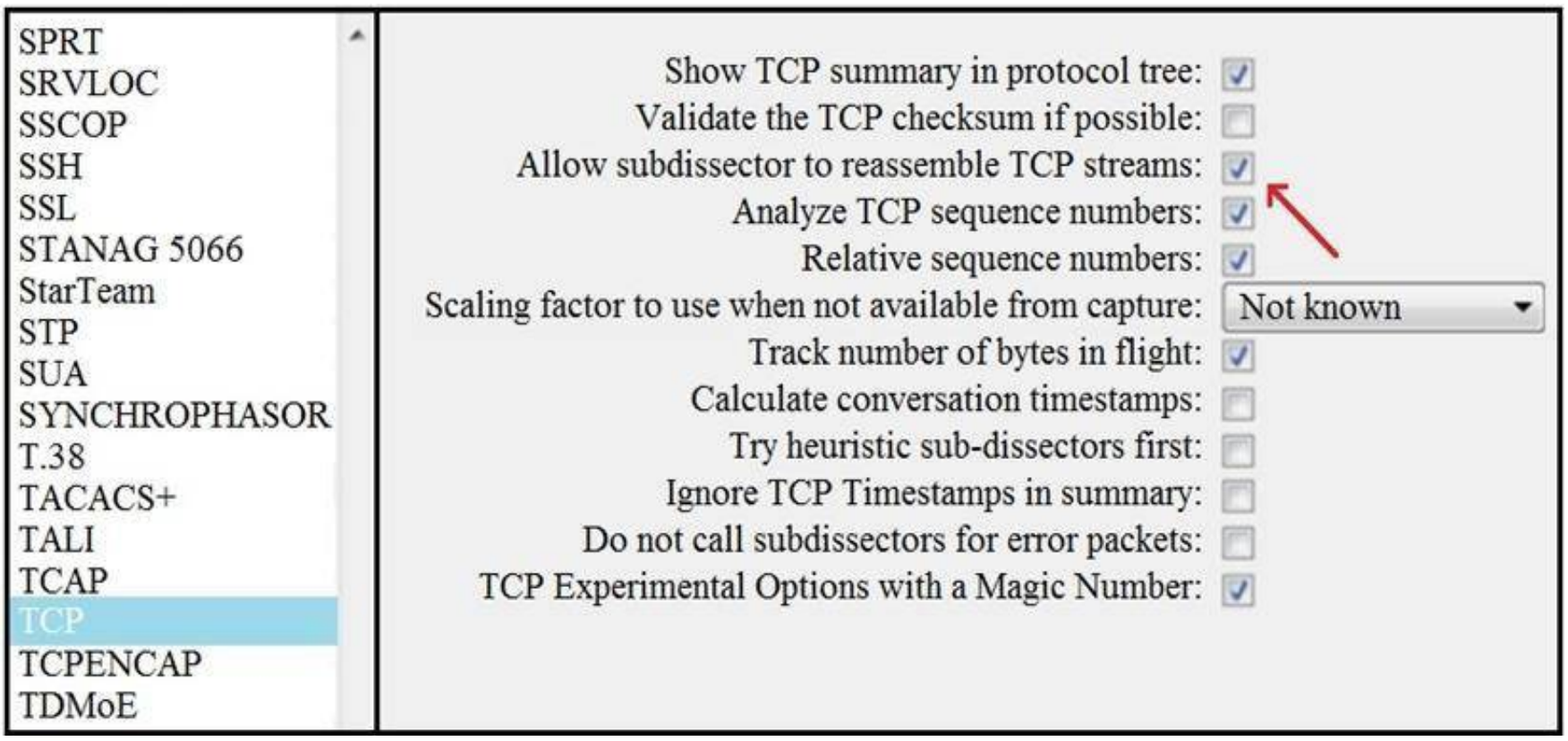
Answer: C

NEW QUESTION 93
How is attacking a vulnerability categorized?

A. action on objectives
B. delivery
C. exploitation
D. installation

Answer: C

NEW QUESTION 94
Refer to the exhibit.



What is the expected result when the "Allow subdissector to reassemble TCP streams" feature is enabled?

A. insert TCP subdissectors
B. extract a file from a packet capture
C. disable TCP streams
D. unfragment TCP

Answer: D

NEW QUESTION 95
Which attack is the network vulnerable to when a stream cipher like RC4 is used twice with the same key?

A. forgery attack
B. plaintext-only attack
C. ciphertext-only attack
D. meet-in-the-middle attack

Answer: C

NEW QUESTION 98
How does an attacker observe network traffic exchanged between two users?

A. port scanning
B. man-in-the-middle
C. command injection
D. denial of service

Answer: B

NEW QUESTION 101
An analyst is exploring the functionality of different operating systems.
What is a feature of Windows Management Instrumentation that must be considered when deciding on an operating system?

A. queries Linux devices that have Microsoft Services for Linux installed
B. deploys Windows Operating Systems in an automated fashion
C. is an efficient tool for working with Active Directory
D. has a Common Information Model, which describes installed hardware and software

Answer: D

NEW QUESTION 106

At which layer is deep packet inspection investigated on a firewall?

A. internet
B. transport
C. application
D. data link

Answer: C

NEW QUESTION 107
Refer to the exhibit.

Date	Flow Start	Duration	Proto	Src IP Addr:Port		Dst IP Addr:Port	Packets	Bytes	Flows
2020-01-05	21:15:28.389	0.000	UDP	127.0.0.1:25678	→	192.168.0.1:20521	1	82	1

Which type of log is displayed?

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

Answer: B

NEW QUESTION 112
An analyst received an alert on their desktop computer showing that an attack was successful on the host. After investigating, the analyst discovered that no mitigation action occurred during the attack. What is the reason for this discrepancy?

A. The computer has a HIPS installed on it.
B. The computer has a NIPS installed on it.
C. The computer has a HIDS installed on it.
D. The computer has a NIDS installed on it.

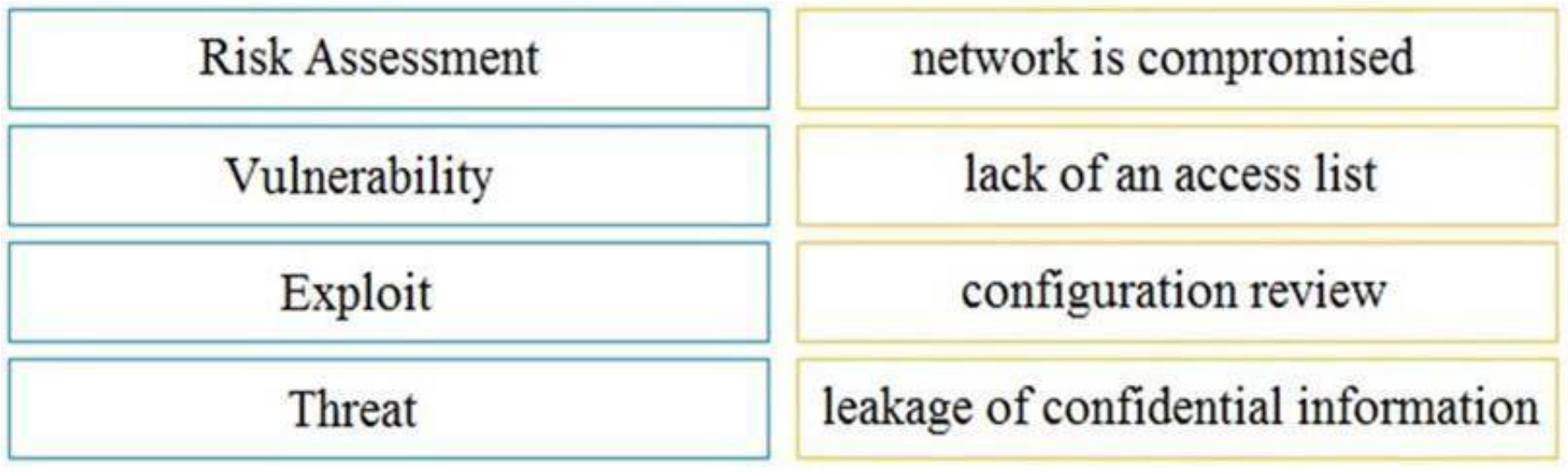
Answer: C

NEW QUESTION 116
Which two compliance frameworks require that data be encrypted when it is transmitted over a public network?
(Choose two.)

A. PCI
B. GLBA
C. HIPAA
D. SOX
E. COBIT

Answer: AC

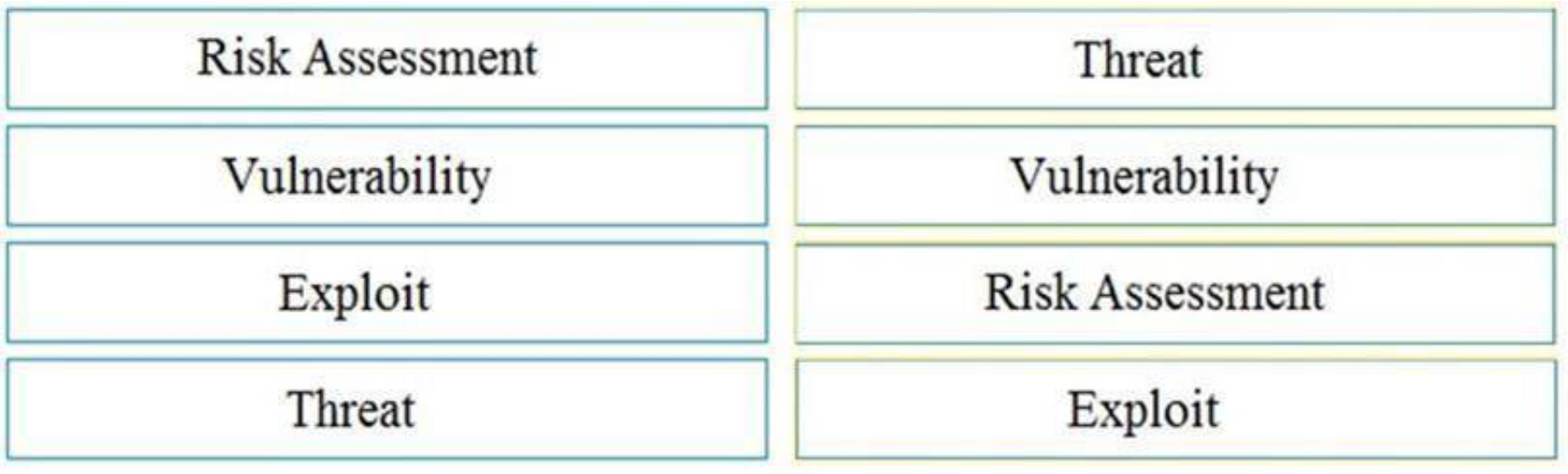
NEW QUESTION 121
Drag and drop the security concept on the left onto the example of that concept on the right.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 124
Why is encryption challenging to security monitoring?

A. Encryption analysis is used by attackers to monitor VPN tunnels.
B. Encryption is used by threat actors as a method of evasion and obfuscation.
C. Encryption introduces additional processing requirements by the CPU.
D. Encryption introduces larger packet sizes to analyze and store.

Answer: B

NEW QUESTION 127
Which IETF standard technology is useful to detect and analyze a potential security incident by recording session flows that occurs between hosts?

A. SFlow
B. NetFlow
C. NFlow
D. IPFIX

Answer: D

NEW QUESTION 129
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