200-201 Dumps

Understanding Cisco Cybersecurity Operations Fundamentals

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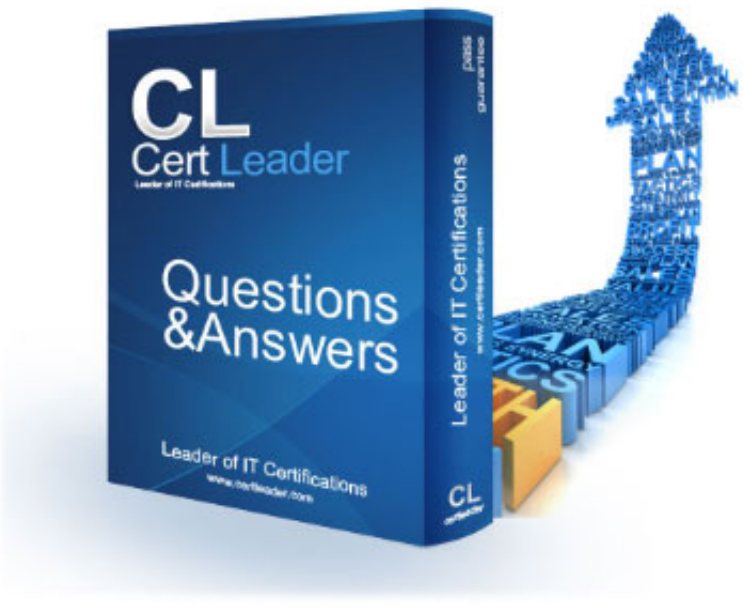


NEW QUESTION 1
During which phase of the forensic process is data that is related to a specific event labeled and recorded to preserve its integrity?

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

Answer: C

NEW QUESTION 2
Which data format is the most efficient to build a baseline of traffic seen over an extended period of time?

A. syslog messages
B. full packet capture
C. NetFlow
D. firewall event logs

Answer: C

NEW QUESTION 3
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 4
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 5
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 6
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 7
An engineer runs a suspicious file in a sandbox analysis tool to see the outcome. The analysis report shows that outbound callouts were made post infection.
Which two pieces of information from the analysis report are needed to investigate the callouts? (Choose two.)

A. signatures
B. host IP addresses
C. file size
D. dropped files
E. domain names

Answer: BE

NEW QUESTION 8
Which two elements of the incident response process are stated in NIST Special Publication 800-61 r2? (Choose two.)

A. detection and analysis
B. post-incident activity
C. vulnerability management
D. risk assessment
E. vulnerability scoring

Answer: AB

NEW QUESTION 9
Which piece of information is needed for attribution in an investigation?

A. proxy logs showing the source RFC 1918 IP addresses
B. RDP allowed from the Internet
C. known threat actor behavior
D. 802.1x RADIUS authentication pass arid fail logs

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 10
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 14
Refer to the exhibit.

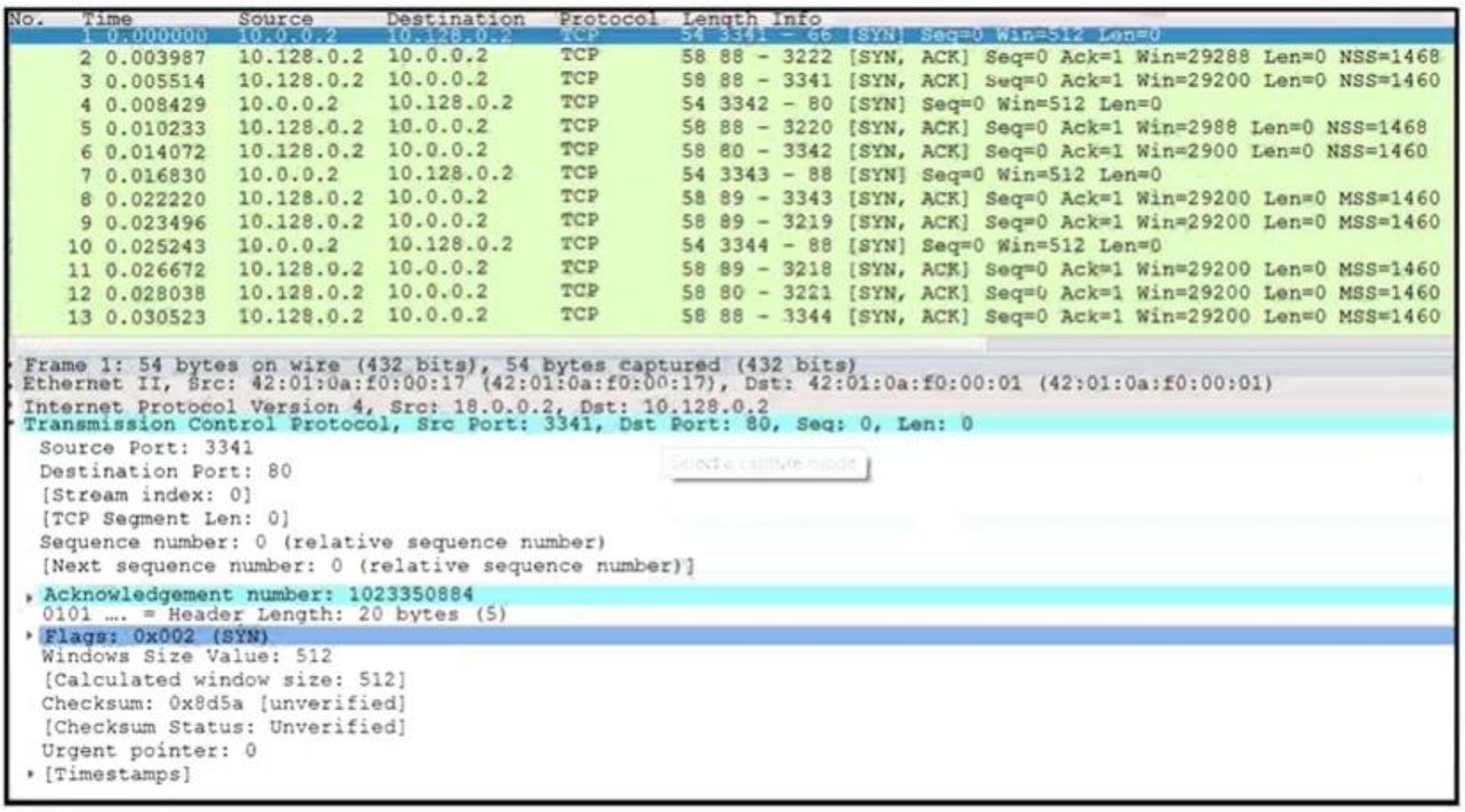
```
- Internet Protocol version 4, Src: 192.168.122.100 (192.168.122.100), Dst:
81.179.179.69 (81.179.179.69)
   Version: 4
   Header Length: 20 bytes
 + Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00: Not-ECT
(Not ECN-Capable Transport))
   Total Length: 538
   Identification: 0x6bse (27534)
 + Flags: 0x02 (Don't Fragment)
   Fragment offset: 0
   Time to live: 128
   Protocol: TCP (6)
 + Header checksum: 0x000 [Validation disabled]
   Source: 192.168.122.100 (192.168.122.100)
   Destination: 81.179.179.69 (81.179.179.69)
   [Source GeoIP: Unknown]



+ Transmission control protocol. src port: 50272 (50272) Dst Port: 80 (80).
Seq: 419451624. Ack: 970444123. Len: 490
```

What should be interpreted from this packet capture?

A. IP address 179.179.69/50272/192.168.122.100/80/6 is sending a packet from port 80 of IP address 192.168.122.100 that is going to port 50272 of IP address 81.179.179.69 using IP protocol 6.
B. IP address 192.168.122.100/50272/81.179.179.69/80/6 is sending a packet from port 50272 of IP address 192.168.122.100 that is going to port 80 of IP address 81.179.179.69 using IP protocol 6.
C. IP address 192.168.122.100/50272/81.179.179.69/80/6 is sending a packet from port 80 of IP address 192.168.122.100 that is going to port 50272 of IP address 81.179.179.69 using IP protocol 6.7E503B693763E0113BE0CD2E4A16C9C4
D. IP address 179.179.69/50272/192.168.122.100/80/6 is sending a packet from port 50272 of IP address 192.168.122.100 that is going to port 80 of IP address 81.179.179.69 using IP protocol 6.

Answer: B

NEW QUESTION 16
Refer to the exhibit.



What is occurring in this network traffic?

A. high rate of SYN packets being sent from a multiple source towards a single destination IP
B. high rate of SYN packets being sent from a single source IP towards multiple destination IPs
C. flood of ACK packets coming from a single source IP to multiple destination IPs
D. flood of SYN packets coming from a single source IP to a single destination IP

Answer: D

NEW QUESTION 18

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

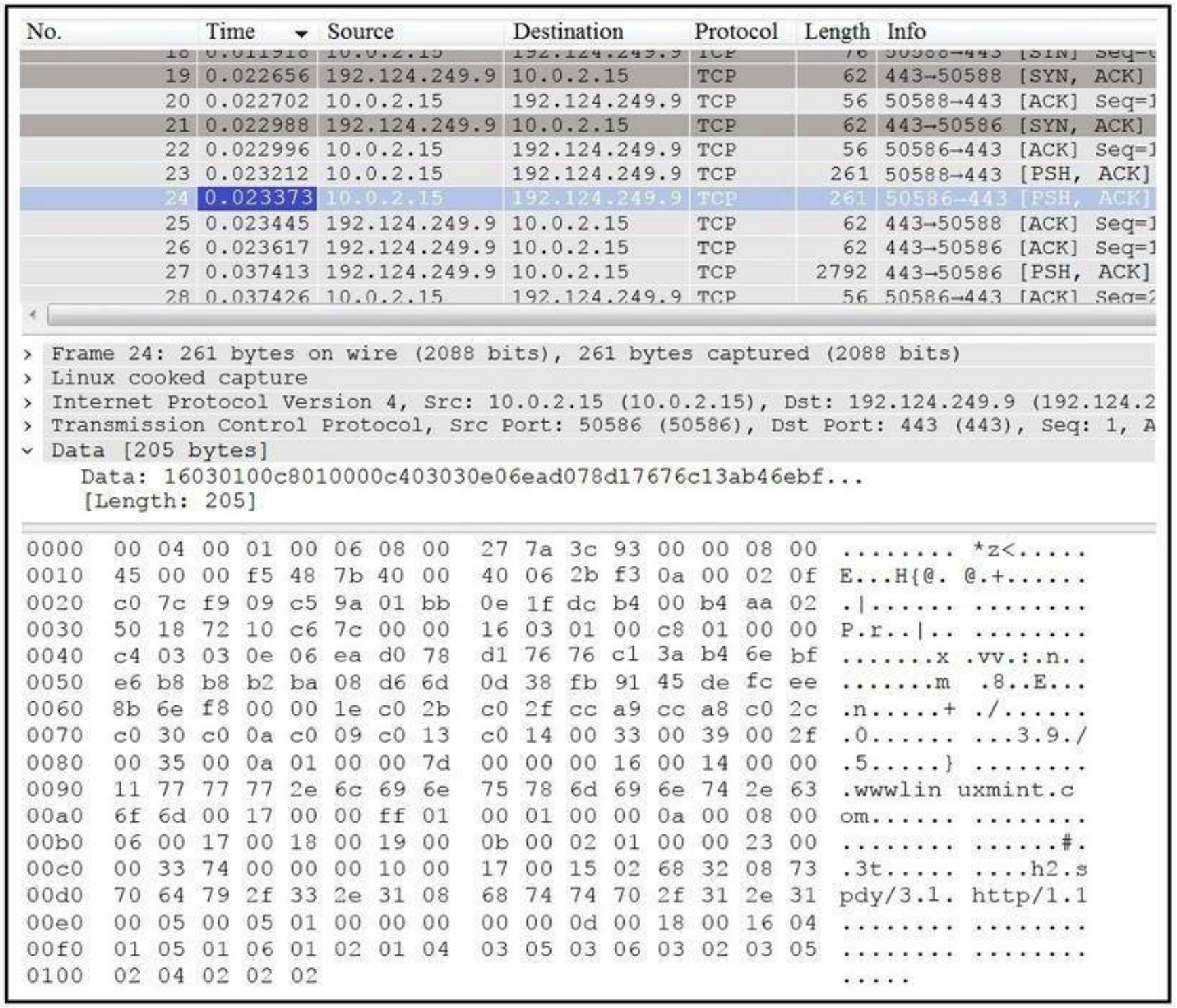
Answer: A

NEW QUESTION 21
What is the practice of giving an employee access to only the resources needed to accomplish their job?

A. principle of least privilege
B. organizational separation
C. separation of duties
D. need to know principle

Answer: A

NEW QUESTION 23
Refer to the exhibit.



Which application protocol is in this PCAP file?

A. SSH
B. TCP
C. TLS
D. HTTP

Answer: B

NEW QUESTION 26
Which metric is used to capture the level of access needed to launch a successful attack?

A. privileges required
B. user interaction
C. attack complexity
D. attack vector

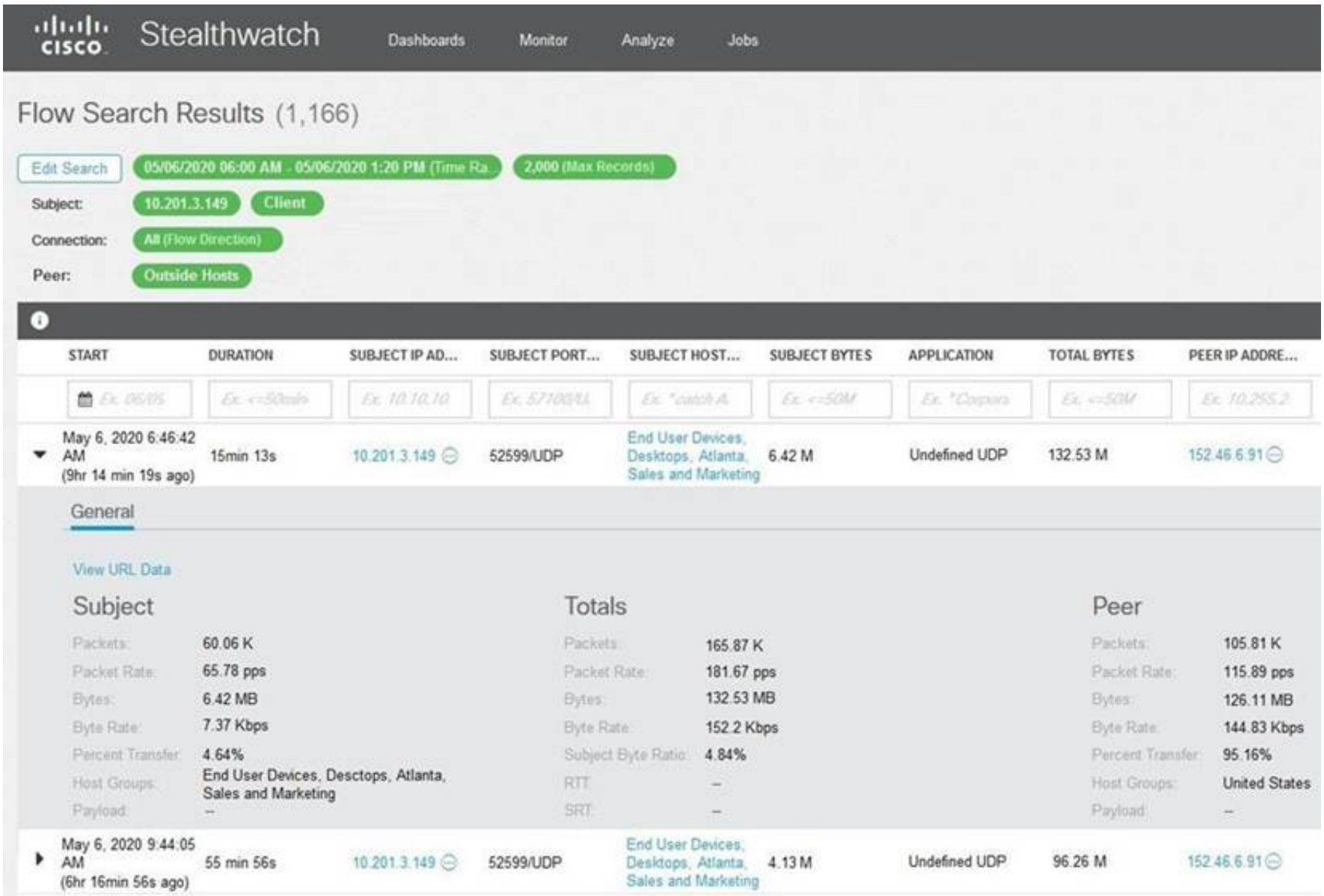
Answer: A

NEW QUESTION 30
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 31
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 32
Which regex matches only on all lowercase letters?

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

Answer: A

NEW QUESTION 37
An engineer receives a security alert that traffic with a known TOR exit node has occurred on the network. What is the impact of this traffic?

A. ransomware communicating after infection
B. users downloading copyrighted content
C. data exfiltration
D. user circumvention of the firewall

Answer: D

NEW QUESTION 42
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 45
Which step in the incident response process researches an attacking host through logs in a SIEM?

A. detection and analysis
B. preparation
C. eradication
D. containment

Answer: A

NEW QUESTION 48
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 52
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 53
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 58
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 62
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 66
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 70
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 73
What does cyber attribution identify in an investigation?

A. exploit of an attack
B. threat actors of an attack
C. vulnerabilities exploited
D. cause of an attack

Answer: B

NEW QUESTION 74
An investigator is examining a copy of an ISO file that is stored in CDFS format. What type of evidence is this file?

A. data from a CD copied using Mac-based system
B. data from a CD copied using Linux system
C. data from a DVD copied using Windows system
D. data from a CD copied using Windows

Answer: B

NEW QUESTION 75
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 80
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 85
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 90
What is an example of social engineering attacks?

A. receiving an unexpected email from an unknown person with an uncharacteristic attachment from someone in the same company
B. receiving an email from human resources requesting a visit to their secure website to update contact information
C. sending a verbal request to an administrator who knows how to change an account password
D. receiving an invitation to the department's weekly WebEx meeting

Answer: B

NEW QUESTION 92
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 94
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 99
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 102
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 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 115
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 119
What is a difference between SOAR and SIEM?

A. SOAR platforms are used for threat and vulnerability management, but SIEM applications are not
B. SIEM applications are used for threat and vulnerability management, but SOAR platforms are not
C. SOAR receives information from a single platform and delivers it to a SIEM
D. SIEM receives information from a single platform and delivers it to a SOAR

Answer: A

NEW QUESTION 124
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 129
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 131
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 132

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