Cisco

Exam Questions 200-201

Understanding Cisco Cybersecurity Operations Fundamentals

NEW QUESTION 1
Refer to the exhibit.

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.

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
Which process is used when IPS events are removed to improve data integrity?

A. data availability
B. data normalization
C. data signature
D. data protection

Answer: B

NEW QUESTION 6
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 7
Refer to the exhibit.

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 8
Which category relates to improper use or disclosure of PII data?

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

Answer: C

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
An organization has recently adjusted its security stance in response to online threats made by a known hacktivist group.
What is the initial event called in the NIST SP800-61?

A. online assault
B. precursor
C. trigger
D. instigator

Answer: B

NEW QUESTION 10
Which incidence response step includes identifying all hosts affected by an attack'?

A. post-incident activity

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

Answer: A

NEW QUESTION 12
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 14
Refer to the exhibit.

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
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 18
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 22
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 27

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
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 36
What is rule-based detection when compared to statistical detection?

A. proof of a user's identity
B. proof of a user's action
C. likelihood of user's action
D. falsification of a user's identity

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 41
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 46
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 51
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 52
Refer to the exhibit.

An engineer is analyzing this Cuckoo Sandbox report for a PDF file that has been downloaded from an email. What is the state of this file?

A. The file has an embedded executable and was matched by PEiD threat signatures for further analysis.
B. The file has an embedded non-Windows executable but no suspicious features are identified.
C. The file has an embedded Windows 32 executable and the Yara field lists suspicious features for further analysis.
D. The file was matched by PEiD threat signatures but no suspicious features are identified since the signature list is up to date.

Answer: C

NEW QUESTION 56
One of the objectives of information security is to protect the CIA of information and systems. What does CIA mean in this context?

A. confidentiality, identity, and authorization
B. confidentiality, integrity, and authorization
C. confidentiality, identity, and availability
D. confidentiality, integrity, and availability

Answer: D

NEW QUESTION 59
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 62
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 63
Refer to the exhibit.

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 67
Which event artifact is used to identity HTTP GET requests for a specific file?

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

Answer: D

NEW QUESTION 71
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 73
What makes HTTPS traffic difficult to monitor?

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

Answer: D

NEW QUESTION 74
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 78
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 81
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 82
An offline audit log contains the source IP address of a session suspected to have exploited a vulnerability resulting in system compromise.
Which kind of evidence is this IP address?

A. best evidence
B. corroborative evidence
C. indirect evidence
D. forensic evidence

Answer: B

NEW QUESTION 83
Which open-sourced packet capture tool uses Linux and Mac OS X operating systems?

A. NetScout
B. tcpdump
C. SolarWinds
D. netsh

Answer: B

NEW QUESTION 85
When trying to evade IDS/IPS devices, which mechanism allows the user to make the data incomprehensible without a specific key, certificate, or password?

A. fragmentation
B. pivoting
C. encryption
D. stenography

Answer: D

NEW QUESTION 90
Which HTTP header field is used in forensics to identify the type of browser used?

A. referrer
B. host
C. user-agent
D. accept-language

Answer: C

NEW QUESTION 91
Which two elements are used for profiling a network? (Choose two.)

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

Answer: DE

NEW QUESTION 95
Which utility blocks a host portscan?

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

Answer: C

NEW QUESTION 99
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 101
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 102
Which list identifies the information that the client sends to the server in the negotiation phase of the TLS handshake?

A. ClientStart, ClientKeyExchange, cipher-suites it supports, and suggested compression methods
B. ClientStart, TLS versions it supports, cipher-suites it supports, and suggested compression methods
C. ClientHello, TLS versions it supports, cipher-suites it supports, and suggested compression methods
D. ClientHello, ClientKeyExchange, cipher-suites it supports, and suggested compression methods

Answer: C

NEW QUESTION 104
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 105
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 110
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 115
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 120
Refer to the exhibit.

Drag and drop the element name from the left onto the correct piece of the PCAP file on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 125
What does cyber attribution identity in an investigation?

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

Answer: D

NEW QUESTION 126
How is attacking a vulnerability categorized?

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

Answer: C

NEW QUESTION 128
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 131
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 133
What is personally identifiable information that must be safeguarded from unauthorized access?

A. date of birth
B. driver's license number
C. gender
D. zip code

Answer: B

NEW QUESTION 138
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 141
Refer to the exhibit.

Which type of log is displayed?

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

Answer: B

NEW QUESTION 146
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 151
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 156

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 160
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 163
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