

Exam Questions 200-201

Understanding Cisco Cybersecurity Operations Fundamentals

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NEW QUESTION 1

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 2

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/ntpametag.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 3

Drag and drop the technology on the left onto the data type the technology provides on the right.

tcpdump	session data
web content filtering	full packet capture
traditional stateful firewall	transaction data
NetFlow	connection event

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

tcpdump	web content filtering
web content filtering	tcpdump
traditional stateful firewall	NetFlow
NetFlow	traditional stateful firewall

NEW QUESTION 4

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 5

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 6

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 7

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 8

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 9

Refer to the exhibit.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.0.0.2	10.128.0.2	TCP	54	3341 - 80 [SYN] Seq=0 Win=512 Len=0
2	0.003987	10.128.0.2	10.0.0.2	TCP	58	88 - 3222 [SYN, ACK] Seq=0 Ack=1 Win=29288 Len=0 NSS=1468
3	0.005514	10.128.0.2	10.0.0.2	TCP	58	88 - 3341 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 NSS=1460
4	0.008429	10.0.0.2	10.128.0.2	TCP	54	3342 - 80 [SYN] Seq=0 Win=512 Len=0
5	0.010233	10.128.0.2	10.0.0.2	TCP	58	88 - 3220 [SYN, ACK] Seq=0 Ack=1 Win=2988 Len=0 NSS=1468
6	0.014072	10.128.0.2	10.0.0.2	TCP	58	80 - 3342 [SYN, ACK] Seq=0 Ack=1 Win=2900 Len=0 NSS=1460
7	0.016930	10.0.0.2	10.128.0.2	TCP	54	3343 - 88 [SYN] Seq=0 Win=512 Len=0
8	0.022220	10.128.0.2	10.0.0.2	TCP	58	89 - 3343 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460
9	0.023496	10.128.0.2	10.0.0.2	TCP	58	89 - 3219 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460
10	0.025243	10.0.0.2	10.128.0.2	TCP	54	3344 - 88 [SYN] Seq=0 Win=512 Len=0
11	0.026672	10.128.0.2	10.0.0.2	TCP	58	89 - 3218 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460
12	0.028038	10.128.0.2	10.0.0.2	TCP	58	80 - 3221 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460
13	0.030523	10.128.0.2	10.0.0.2	TCP	58	88 - 3344 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460


```

Frame 1: 54 bytes on wire (432 bits), 54 bytes captured (432 bits)
Ethernet II, Src: 42:01:0a:f0:00:17 (42:01:0a:f0:00:17), Dst: 42:01:0a:f0:00:01 (42:01:0a:f0:00:01)
Internet Protocol Version 4, Src: 18.0.0.2, Dst: 10.128.0.2
Transmission Control Protocol, Src Port: 3341, Dst Port: 80, Seq: 0, Len: 0
  Source Port: 3341
  Destination Port: 80
  [Stream index: 0]
  [TCP Segment Len: 0]
  Sequence number: 0 (relative sequence number)
  [Next sequence number: 0 (relative sequence number)]
  * Acknowledgement number: 1023350884
  0101 ... = Header Length: 20 bytes (5)
  * Flags: 0x002 (SYN)
  Windows Size Value: 512
  [Calculated window size: 512]
  Checksum: 0x8d5a [unverified]
  [Checksum Status: Unverified]
  Urgent pointer: 0
  * [Timestamps]
    
```

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 10

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 10

Refer to the exhibit.

No.	Time	Source	Destination	Protocol	Length	Info
18	0.011916	10.0.2.15	192.124.249.9	TCP	76	50586-443 [SYN] Seq=1
19	0.022656	192.124.249.9	10.0.2.15	TCP	62	443-50588 [SYN, ACK]
20	0.022702	10.0.2.15	192.124.249.9	TCP	56	50588-443 [ACK] Seq=1
21	0.022988	192.124.249.9	10.0.2.15	TCP	62	443-50586 [SYN, ACK]
22	0.022996	10.0.2.15	192.124.249.9	TCP	56	50586-443 [ACK] Seq=1
23	0.023212	10.0.2.15	192.124.249.9	TCP	261	50588-443 [PSH, ACK]
24	0.023373	10.0.2.15	192.124.249.9	TCP	261	50586-443 [PSH, ACK]
25	0.023445	192.124.249.9	10.0.2.15	TCP	62	443-50588 [ACK] Seq=1
26	0.023617	192.124.249.9	10.0.2.15	TCP	62	443-50586 [ACK] Seq=1
27	0.037413	192.124.249.9	10.0.2.15	TCP	2792	443-50586 [PSH, ACK]
28	0.037426	10.0.2.15	192.124.249.9	TCP	56	50586-443 [ACK] Seq=2


```

> Frame 24: 261 bytes on wire (2088 bits), 261 bytes captured (2088 bits)
> Linux cooked capture
> Internet Protocol Version 4, Src: 10.0.2.15 (10.0.2.15), Dst: 192.124.249.9 (192.124.249.9)
> Transmission Control Protocol, Src Port: 50586 (50586), Dst Port: 443 (443), Seq: 1, A
  > Data [205 bytes]
    Data: 16030100c8010000c403030e06ead078d17676c13ab46ebf...
    [Length: 205]
  
```

0000	00 04 00 01 00 06 08 00	27 7a 3c 93 00 00 08 00 *z<.....
0010	45 00 00 f5 48 7b 40 00	40 06 2b f3 0a 00 02 0f	E...H{@. @.+.....
0020	c0 7c f9 09 c5 9a 01 bb	0e 1f dc b4 00 b4 aa 02
0030	50 18 72 10 c6 7c 00 00	16 03 01 00 c8 01 00 00	P.r.. ..
0040	c4 03 03 0e 06 ea d0 78	d1 76 76 c1 3a b4 6e bfx .vv.:n..
0050	e6 b8 b8 b2 ba 08 d6 6d	0d 38 fb 91 45 de fc eem .8..E...
0060	8b 6e f8 00 00 1e c0 2b	c0 2f cc a9 cc a8 c0 2c	.n.....+ ./.....
0070	c0 30 c0 0a c0 09 c0 13	c0 14 00 33 00 39 00 2f	.0..... ...3.9./
0080	00 35 00 0a 01 00 00 7d	00 00 00 16 00 14 00 00	.5.....}
0090	11 77 77 77 2e 6c 69 6e	75 78 6d 69 6e 74 2e 63	.wwlin uxmint.c
00a0	6f 6d 00 17 00 00 ff 01	00 01 00 00 0a 00 08 00	om.....
00b0	06 00 17 00 18 00 19 00	0b 00 02 01 00 00 23 00#.
00c0	00 33 74 00 00 00 10 00	17 00 15 02 68 32 08 73	.3t..... .h2.s
00d0	70 64 79 2f 33 2e 31 08	68 74 74 70 2f 31 2e 31	pdy/3.1. http/1.1
00e0	00 05 00 05 01 00 00 00	00 00 0d 00 18 00 16 04
00f0	01 05 01 06 01 02 01 04	03 05 03 06 03 02 03 05
0100	02 04 02 02 02	

Which application protocol is in this PCAP file?

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

Answer: B

NEW QUESTION 12

Refer to the exhibit.

Flow Search Results (1,166)

Edit Search 05/06/2020 06:00 AM - 05/06/2020 1:20 PM (Time Ra) 2,000 (Max Records)

Subject: 10.201.3.149 Client

Connection: All (Flow Direction)

Peer: Outside Hosts

START	DURATION	SUBJECT IP AD...	SUBJECT PORT...	SUBJECT HOST...	SUBJECT BYTES	APPLICATION	TOTAL BYTES	PEER IP ADDRE...
May 6, 2020 6:46:42 AM (9hr 14 min 19s ago)	15min 13s	10.201.3.149	52599/UDP	End User Devices, Desktops, Atlanta, Sales and Marketing	6.42 M	Undefined UDP	132.53 M	152.46.6.91

General

View URL Data

Subject	Totals	Peer
Packets: 60.06 K	Packets: 165.87 K	Packets: 105.81 K
Packet Rate: 65.78 pps	Packet Rate: 181.67 pps	Packet Rate: 115.89 pps
Bytes: 6.42 MB	Bytes: 132.53 MB	Bytes: 126.11 MB
Byte Rate: 7.37 Kbps	Byte Rate: 152.2 Kbps	Byte Rate: 144.83 Kbps
Percent Transfer: 4.64%	Subject Byte Ratio: 4.84%	Percent Transfer: 95.16%
Host Groups: End User Devices, Desktops, Atlanta, Sales and Marketing	RTT: -	Host Groups: United States
Payload: -	SRT: -	Payload: -

May 6, 2020 9:44:05 AM
(6hr 16min 56s ago)

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 15

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 18

Which regex matches only on all lowercase letters?

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

Answer: A

NEW QUESTION 19

Which metric in CVSS indicates an attack that takes a destination bank account number and replaces it with a different bank account number?

- A. integrity
- B. confidentiality
- C. availability
- D. scope

Answer: A

NEW QUESTION 24

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 27

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 28

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 32

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 34

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 35

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 40

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 42

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 45

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

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

Answer: DE

NEW QUESTION 50

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 53

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 56

Which access control model does SELinux use?

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

Answer: C

NEW QUESTION 60

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 62

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 63

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 66

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

Risk Assessment	network is compromised
Vulnerability	lack of an access list
Exploit	configuration review
Threat	leakage of confidential information

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Risk Assessment	Threat
Vulnerability	Vulnerability
Exploit	Risk Assessment
Threat	Exploit

NEW QUESTION 70

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 73

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