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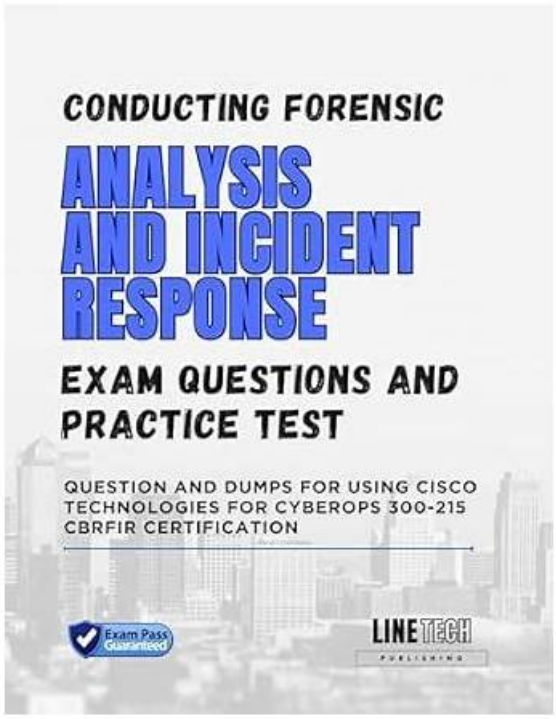

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Cisco 300-215 certification exam is a comprehensive exam that covers a wide range of topics related to conducting forensic analysis and incident response using Cisco technologies. 300-215 exam tests the candidate's knowledge of Cisco security technologies, such as Firepower, Identity Services Engine (ISE), Advanced Malware Protection (AMP), and Stealthwatch. Additionally, the exam also covers topics such as cyber incident response, digital forensics, and network forensics.

The Cisco 300-215 exam covers a wide range of topics such as the fundamentals of cybersecurity, security incident response, network forensics, endpoint forensics, and malware analysis. Candidates will be tested on their ability to identify, analyze, and respond to security incidents using Cisco technologies such as Cisco AMP for Endpoints, Cisco Stealthwatch, and Cisco Umbrella. They will also need to demonstrate their knowledge of industry-standard tools and techniques used in forensic analysis and incident response. Passing 300-215 Exam will demonstrate that the candidate has the skills and knowledge required to effectively analyze security incidents and respond to them using Cisco technologies.

Cisco certification 300-215 exam training materials

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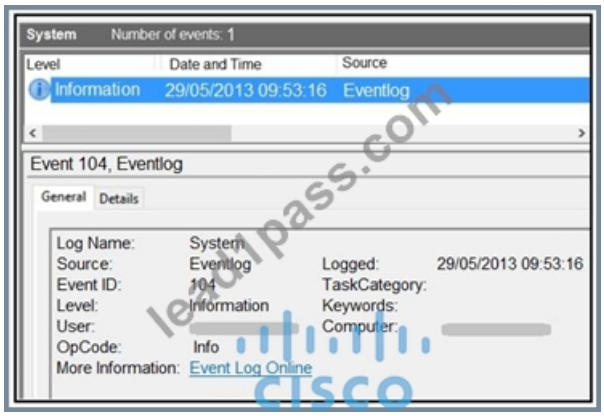
Cisco Conducting Forensic Analysis & Incident Response Using Cisco Technologies for CyberOps Sample Questions (Q59-Q64):

NEW QUESTION # 59
Refer to the exhibit.



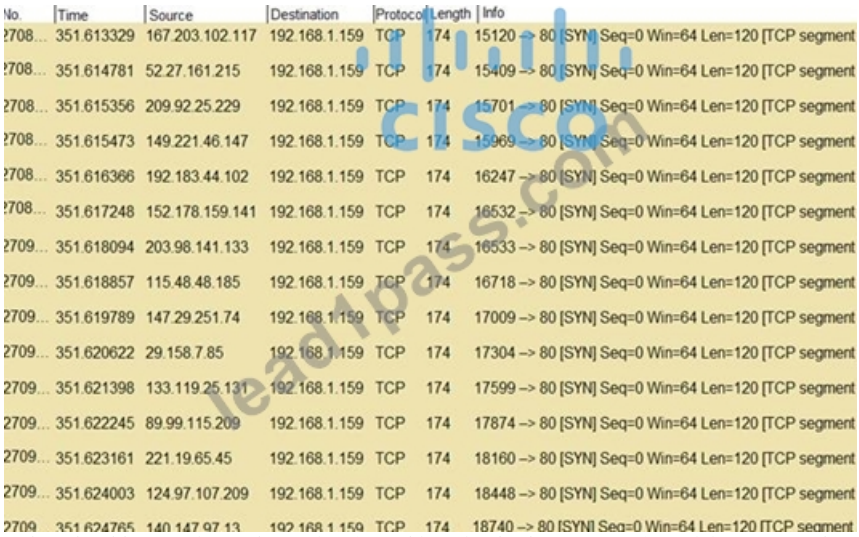
An employee notices unexpected changes and setting modifications on their workstation and creates an incident ticket. A support specialist checks processes and services but does not identify anything suspicious.
The ticket was escalated to an analyst who reviewed this event log and also discovered that the workstation had multiple large data dumps on network shares. What should be determined from this information?

- A. reconnaissance attack
- B. brute-force attack
- C. log tampering
- D. data obfuscation

Answer: C

Explanation:
The event log shown in the exhibit isEvent ID 104, which in Windows indicates"The audit log was cleared."This is a significant indicator oflog tampering, a common post-exploitation technique used by attackers to hide their tracks after exfiltrating data or performing unauthorized actions.
The Cisco CyberOps Associate guide mentions:
"Log deletion events, especially Event ID 104, should be treated as potential evidence of malicious activity attempting to cover tracks".
Combined with large data dumps to network shares, this indicates not only unauthorized activity but also deliberate efforts to erase forensic evidence-characteristic oflog tampering.

NEW QUESTION # 60
Refer to the exhibit.



No.	Time	Source	Destination	Protocol	Length	Info
2708...	351.613329	167.203.102.117	192.168.1.159	TCP	174	15120 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2708...	351.614781	52.27.161.215	192.168.1.159	TCP	174	15409 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2708...	351.615356	209.92.25.229	192.168.1.159	TCP	174	15701 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2708...	351.615473	149.221.46.147	192.168.1.159	TCP	174	15969 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2708...	351.616366	192.183.44.102	192.168.1.159	TCP	174	16247 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2708...	351.617248	152.178.159.141	192.168.1.159	TCP	174	16532 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.618094	203.98.141.133	192.168.1.159	TCP	174	16533 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.618857	115.48.48.185	192.168.1.159	TCP	174	16718 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.619789	147.29.251.74	192.168.1.159	TCP	174	17009 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.620622	29.158.7.85	192.168.1.159	TCP	174	17304 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.621398	133.119.25.131	192.168.1.159	TCP	174	17599 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.622245	89.99.115.209	192.168.1.159	TCP	174	17874 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.623161	221.19.65.45	192.168.1.159	TCP	174	18160 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.624003	124.97.107.209	192.168.1.159	TCP	174	18448 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment
2709...	351.624765	140.147.97.13	192.168.1.159	TCP	174	18740 --> 80 [SYN] Seq=0 Win=64 Len=120 [TCP segment

What should an engineer determine from this Wireshark capture of suspicious network traffic?

- A. There are signs of SYN flood attack, and the engineer should increase the backlog and recycle the oldest half-open TCP connections.
- B. There are signs of ARP spoofing, and the engineer should use Static ARP entries and IP address-to- MAC address mappings as a countermeasure.
- C. There are signs of a malformed packet attack, and the engineer should limit the packet size and set a threshold of bytes as a countermeasure.
- D. There are signs of a DNS attack, and the engineer should hide the BIND version and restrict zone transfers as a countermeasure.

Answer: A

Explanation:
In the provided Wireshark capture, we see multiple TCP SYN packets being sent from different source IP addresses to the same destination IP address(192.168.1.159:80)within a short time window. These SYN packets do not show a corresponding SYN-ACK or ACK response, indicating that these TCP connection requests are not being completed.
This pattern is indicative of aSYN flood attack, a type of Denial of Service (DoS) attack. In this attack, a malicious actor floods the target system with a high volume of TCP SYN requests, leaving the target's TCP connection queue (backlog) filled with half-open connections. This can exhaust system resources, causing legitimate connection requests to be denied or delayed.
Thecountermeasurefor this scenario, as highlighted in theCyberOps Technologies (CBRFIR) 300-215 study guideunderNetwork-Based Attacks and TCP SYN Flood Attacks, involves:
* Increasing the backlog queue: This allows the server to hold more half-open connections.
* Recycling the oldest half-open connections: This ensures that legitimate connections have a chance to be established if the backlog fills up.
Reference:CyberOps Technologies (CBRFIR) 300-215 study guide, Chapter 5: Identifying Attack Methods, SYN Flood Attack section, page 146-148.

NEW QUESTION # 61
An employee receives an email from a "trusted" person containing a hyperlink that is malvertising. The employee clicks the link and the malware downloads. An information analyst observes an alert at the SIEM and engages the cybersecurity team to conduct an analysis of this incident in accordance with the incident response plan. Which event detail should be included in this root cause analysis?

- A. information from the email header
- B. alarm raised by the SIEM
- C. phishing email sent to the victim
- D. alert identified by the cybersecurity team

Answer: B

NEW QUESTION # 62

An "unknown error code" is appearing on an ESXi host during authentication. An engineer checks the authentication logs but is unable to identify the issue. Analysis of the vCenter agent logs shows no connectivity errors. What is the next log file the engineer should check to continue troubleshooting this error?

- A. /var/log/syslog.log
- B. /var/log/vmksummary.log
- C. var/log/general/log
- D. var/log/shell.log

Answer: A

Explanation:
Explanation/Reference: https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.monitoring.doc/GUID-832A2618-6B11-4A28-9672-93296DA931D0.html

NEW QUESTION # 63
An engineer is analyzing a DoS attack and notices that the perpetrator used a different IP address to hide their system IP address and avoid detection. Which anti-forensics technique did the perpetrator use?

- A. spoofing
- B. cache poisoning
- C. encapsulation
- D. onion routing

Answer: A

Explanation:
Using adifferent IP addressto disguise the origin of an attack is the definition ofIP spoofing.
"Spoofing involves falsifying data, such as IP or MAC addresses, to hide the source of malicious activity." - Cisco CyberOps guide

NEW QUESTION # 64
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