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Exam : **CCST-Networking-JPN**

Title : Cisco Certified Support
Technician (CCST)
Networking Exam (CCST-
Networking 日本語版)

Vendor : Cisco

Version : DEMO

QUESTION NO: 1

AAA サービス セキュリティ モデルのどのコンポーネントが ID 検証を提供しますか？

- A. 承認
- B. 監査
- C. 認証
- D. 会計

Answer: C

Explanation:

The AAA service security model consists of three components: Authentication, Authorization, and Accounting.

*Authentication: This is the process of verifying the identity of a user or device. It ensures that only legitimate users can access the network or service.

*Authorization: This determines what an authenticated user is allowed to do or access within the network.

*Auditing/Accounting: This component tracks the actions of the user, including what resources they access and what changes they make.

Thus, the correct answer is C. Authentication.

References :=

*Cisco AAA Overview

*Understanding AAA (Authentication, Authorization, and Accounting)

QUESTION NO: 2

1000BASE-T ケーブルを使用して、コンピューターのネットワークアダプターをスイッチに接続する必要があります。

どのコネクタを使用すればよいですか？

- A. RJ-11
- B. RJ-45
- C. Coax
- D. OS2 LC

Answer: B

Explanation:

*1000BASE-T Cable: This refers to Gigabit Ethernet over twisted-pair cables (Cat 5e or higher).

*Connector: RJ-45 connectors are used for Ethernet cables, including those used for 1000BASE-T.

*Coax: Used for cable TV and older Ethernet standards like 10BASE2.

*RJ-11: Used for telephone connections.

*OS2 LC: Used for fiber optic connections.

References:

*Ethernet Standards and Cables: Ethernet Cable Guide

QUESTION NO: 3

どのワイヤレス セキュリティ

オプションが事前共有キーを使用してクライアントを認証しますか？

- A. WPA2-Personal
- B. 802.1x
- C. 802.1q
- D. WPA2-Enterprise

Answer: A

Explanation:

WPA2-Personal, also known as WPA2-PSK (Pre-Shared Key), is the wireless security option that uses a pre-shared key to authenticate clients. This method is designed for home and small office networks and doesn't require an authentication server. Instead, every user on the network uses the same key or passphrase to connect1.

References :=

*What is a Wi-Fi Protected Access Pre-Shared Key (WPA-PSK)?

*Exploring WPA-PSK and WiFi Security

*WPA2-Personal: This wireless security option uses a pre-shared key (PSK) for authentication. Each client that connects to the network must use this key to gain access. It is designed for home and small office networks where simplicity and ease of use are important.

*WPA2-Enterprise: Unlike WPA2-Personal, WPA2-Enterprise uses 802.1x authentication with an authentication server (such as RADIUS) and does not rely on a pre-shared key.

*802.1x: This is a network access control protocol for LANs, particularly wireless LANs. It provides an authentication mechanism to devices wishing to attach to a LAN or WLAN.

*802.1q: This is a networking standard that supports VLAN tagging on Ethernet networks and is not related to wireless security.

References:

*Cisco Documentation on WPA2 Security: Cisco WPA2

*Understanding Wireless Security: Wireless Security Guide

QUESTION NO: 4

ユーザーのコンピューター上のアプリでデータのダウンロードに問題が発生しています。アプリはデータのダウンロードに次の URL を使用します。

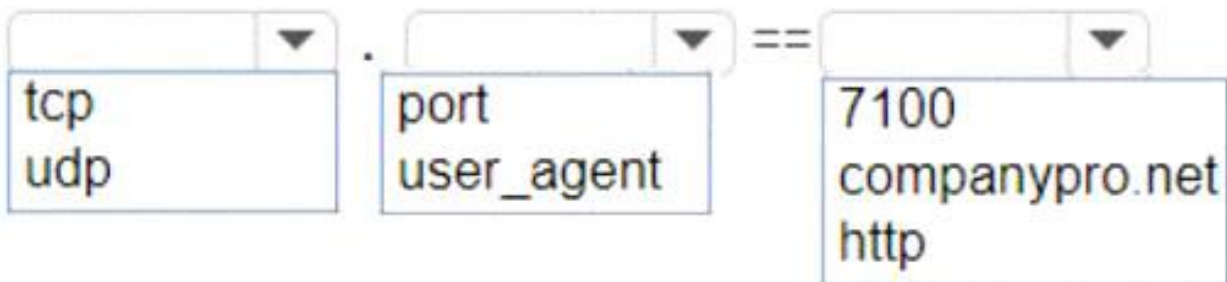
`https://www.companypro.net:7100/api`

その URL との間で送受信されるパケットをキャプチャするには、Wireshark を使用する必要があります。

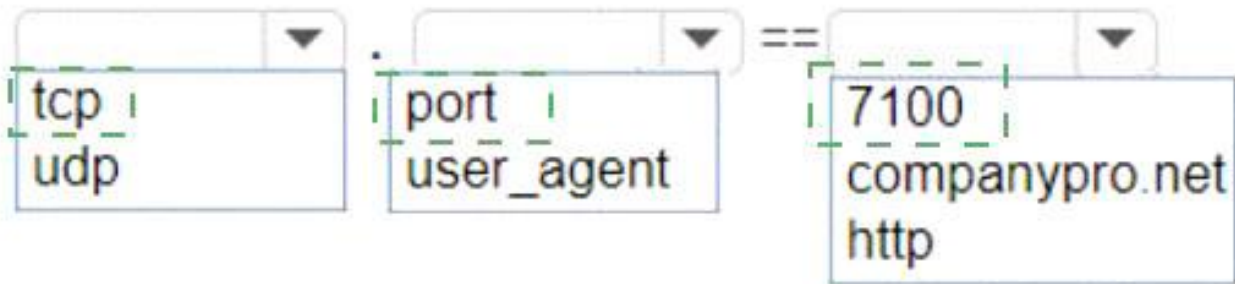
結果をフィルタリングするためにどの Wireshark フィルタ オプションを使用しますか？

各ドロップダウン リストから正しいオプションを選択してコマンドを完了します。

注意: 正しい選択ごとに部分的なポイントが付与されます。



Answer:



Explanation:

To capture packets sent to and received from the URL `https://www.companyprom.net:7100/api` using Wireshark, you would use the following filter options:

- * Protocol:tcp
- * Filter Type:port
- * Port Number:7100

This filter setup in Wireshark will display all TCP packets that are sent to or received from port 7100, which is the port specified in the URL for the API service. Since HTTPS typically uses TCP as the transport layer protocol, filtering by TCP and the specific port number will help isolate the relevant packets for troubleshooting the app's data download issues.

- * cp: The app is using HTTPS, which relies on the TCP protocol for communication.
- * port: The specific port number used by the application, which in this case is 7100.
- * 7100: This is the port specified in the URL (`https://www.companyprom.net:7100/api`).

This filter will capture all TCP traffic on port 7100, allowing you to analyze the packets related to the application's data download.

References:

- * Wireshark Filters: [Wireshark Display Filters](#)