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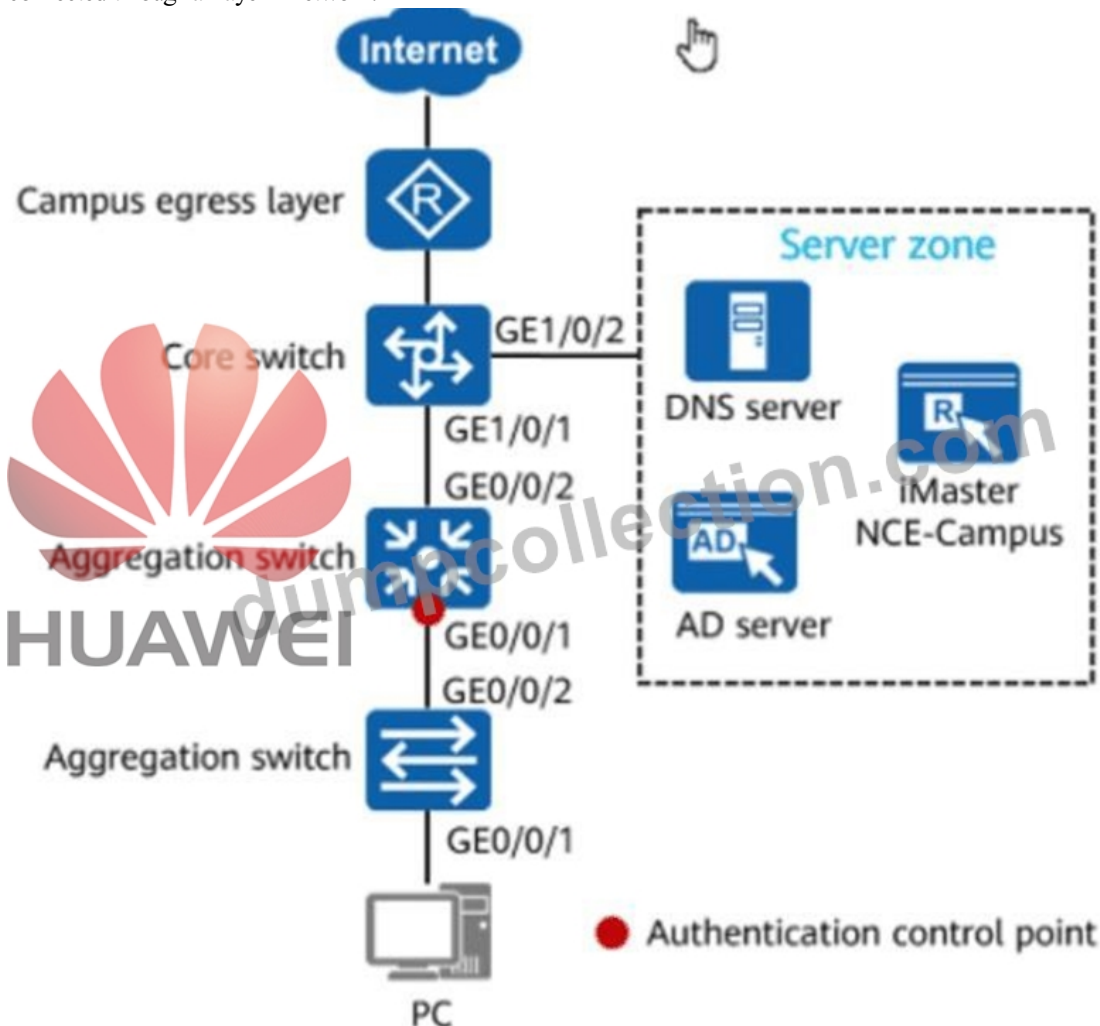
Huawei H12-725_V4.0: HCIP-Security V4.0 is a certification exam that tests the skills and knowledge of individuals in the field of security solutions. H12-725_V4.0 exam is designed to evaluate the candidate's ability to configure, deploy, and maintain security solutions based on Huawei's product line. H12-725_V4.0 exam is ideal for security professionals, network engineers, and anyone seeking to enhance their career in the field of security.

The HCIP-Security V4.0 certification exam is a three-hour exam that consists of 60 multiple-choice questions. H12-725_V4.0 Exam is designed to test the candidate's knowledge and understanding of network security concepts and technologies. H12-725_V4.0 exam is available in English and Mandarin languages, and the passing score is 600 out of 1000.

Huawei HCIP-Security V4.0 Sample Questions (Q36-Q41):

NEW QUESTION # 36

In the figure, if 802.1X authentication is used for wired users on the network, the network admission device and terminals must be connected through a Layer 2 network.



Options:

- A. FALSE
- B. TRUE

Answer: B

Explanation:

Understanding 802.1X Authentication in Wired Networks:

- * 802.1X is a port-based network access control (PNAC) protocol that requires a Layer 2 connection between the supplicant (PC), the authenticator (switch), and the authentication server (e.g., RADIUS server).
- * In wired networks, 802.1X authentication occurs at the Ethernet switch (Layer 2 device), which enforces authentication before allowing network access.

Why Must the Network Be Layer 2?

- * 802.1X authentication operates at Layer 2 (Data Link Layer) before any IP-based communication (Layer 3) occurs.
- * If the authentication device and user terminal were on different Layer 3 networks, the authentication packets (EAPOL - Extensible Authentication Protocol Over LAN) would not be forwarded.
- * In the figure, the authentication control point is at the aggregation switch, which means the PC and switch must be in the same Layer 2 domain.

Components of 802.1X Authentication in the Figure:

- * Supplicant (PC) # The device requesting network access.
- * Authenticator (Aggregation Switch) # The switch controlling access to the network based on authentication results.
- * Authentication Server (iMaster NCE-Campus & AD Server) # Verifies user credentials and grants or denies access.
- * Layer 2 Connectivity Requirement # The PC must be in the same Layer 2 network as the Authenticator to communicate via EAPOL.

Why "TRUE" is the Correct answer:

- * 802.1X authentication is performed before IP addresses are assigned, meaning it can only operate in a Layer 2 network.
- * EAPOL (Extensible Authentication Protocol Over LAN) messages are not routable and must stay within a single Layer 2 broadcast domain.
- * In enterprise networks, VLAN-based 802.1X authentication is often used, where authenticated users are assigned to a specific VLAN.

HCIP-Security References:

- * Huawei HCIP-Security Guide # 802.1X Authentication in Enterprise Networks
- * Huawei iMaster NCE-Campus Documentation # Authentication Control and NAC Deployment
- * IEEE 802.1X Standard Documentation # Layer 2 Network Authentication

NEW QUESTION # 37

Which of the following items are recorded in the IPS service module logs of a Huawei NGFW? (Select All that Apply)

- A. Source IP address of the attacker
- B. Attack duration
- C. Signature ID
- D. Signature name

Answer: A,B,C,D

Explanation:

Comprehensive and Detailed Explanation:

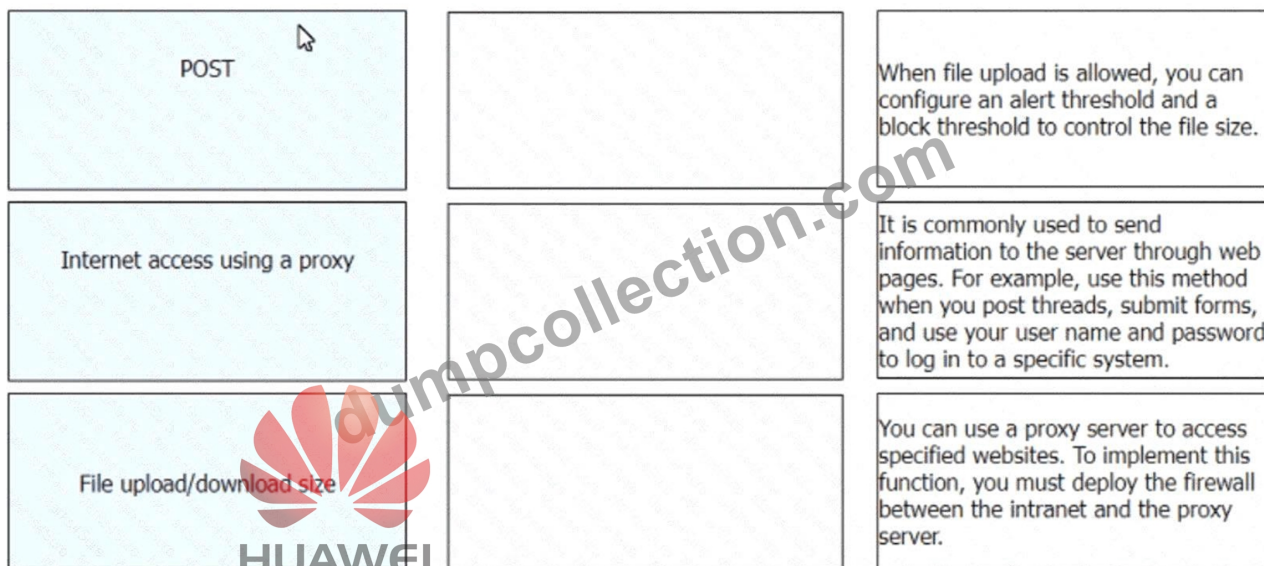
- * Intrusion Prevention System (IPS) logs record attack details for analysis and response.
- * The following information is logged:
 - * A. Signature ID # Unique identifier for the detected attack.
 - * B. Source IP address of the attacker # Identifies the origin of the attack.
 - * C. Attack duration # How long the attack lasted.
 - * D. Signature name # The specific attack detected (e.g., SQL injection).
- * All options are correct because Huawei NGFW logs complete IPS event details.

HCIP-Security References:

- * Huawei HCIP-Security Guide # IPS Logging & Analysis

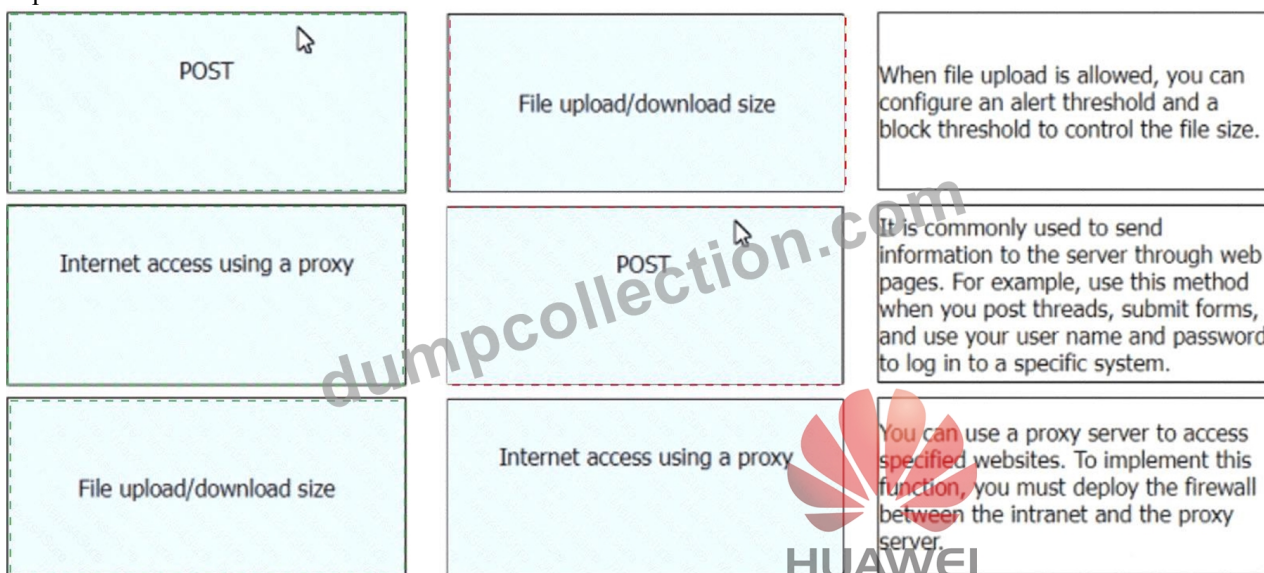
NEW QUESTION # 38

Match the HTTP control items with the corresponding descriptions.



Answer:

Explanation:



Explanation:

A screenshot of a computer error message AI-generated content may be incorrect.

HTTP Control Item	Corresponding Description
POST	It is commonly used to send information to the server through web pages. For example, use this method when you post threads, submit forms, and use your username and password to log in to a specific system.
Internet access using a proxy	You can use a proxy server to access specified websites. To implement this function, you must deploy the firewall between the intranet and the proxy server.
File upload/download size	When file upload is allowed, you can configure an alert threshold and a block threshold to control the file size.

POST # Sending Information to the Server

* The POST method in HTTP is used to send data to a web server.

* Examples include:

* Submitting login credentials.

* Posting comments or messages on a forum.

* Uploading files via web applications.

* Unlike GET, POST hides sensitive information in the request body, making it more secure for transmitting login credentials or

personal data.

Internet Access Using a Proxy # Firewall Deployment for Proxy Access


- * Proxy server allows users to access the internet through a controlled gateway.
- * To enforce security policies, a firewall must be deployed between the intranet and the proxy server.
- * Proxies are used for:
 - * Content filtering (blocking unwanted websites).
 - * Access control (restricting web usage based on user roles).
 - * Anonymization (hiding the user's original IP address).

File Upload/Download Size # Controlling Upload Limits

- * Firewalls and security devices can restrict file upload/download sizes to:
 - * Prevent excessive bandwidth usage.
 - * Block potentially malicious file uploads.
- * Alert and Block Thresholds:
 - * Alert threshold: Logs a warning if a file exceeds a specific size.
 - * Block threshold: Prevents files larger than the configured limit from being uploaded or downloaded.


NEW QUESTION # 39

Arrange the steps of the bandwidth management process on firewalls in the correct sequence.

Limited by the ingress and egress bandwidths, if the traffic exceeds the interface bandwidth, queue scheduling is performed on the traffic according to the preset forwarding priority to ensure that high-priority packets are sent first.		
The firewall performs operations on traffic based on the actions set for traffic in the channel, including discarding traffic that exceeds the predefined maximum bandwidth and limiting the number of service connections.		2
The firewall implements bandwidth policies to match and classify traffic for multiple bandwidth profiles.		3

Answer:

Explanation:

Limited by the ingress and egress bandwidths, if the traffic exceeds the interface bandwidth, queue scheduling is performed on the traffic according to the preset forwarding priority to ensure that high-priority packets are sent first.	The firewall implements bandwidth policies to match and classify traffic for multiple bandwidth profiles.	1	
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The firewall implements bandwidth policies to match and classify traffic for multiple bandwidth profiles.	Limited by the ingress and egress bandwidths, if the traffic exceeds the interface bandwidth, queue scheduling is performed on the traffic according to the preset forwarding priority to ensure that high-priority packets are sent first.	3	

Explanation:

A screenshot of a computer screen AI-generated content may be incorrect.

Correct Order	Bandwidth Management Step
1st Step	The firewall implements bandwidth policies to match and classify traffic for multiple bandwidth profiles.
2nd Step	The firewall performs operations on traffic based on the actions set for traffic in the channel, including discarding traffic that exceeds the predefined maximum bandwidth and limiting the number of service connections.
3rd Step	Limited by the ingress and egress bandwidths, if the traffic exceeds the interface bandwidth, queue scheduling is performed on the traffic according to the preset forwarding priority to ensure that high-priority packets are sent first.

HCIP-Security References:

- * Huawei HCIP-Security Guide# Bandwidth Management & Traffic Control Policies
 - * Huawei QoS Configuration Guide# Traffic Classification, Policing, and Queue Scheduling
- 1##Step 1: Traffic Classification and Bandwidth Policy Matching
- * The firewall first classifies traffic using predefined bandwidth policies.
 - * These policies match traffic based on criteria such as source/destination IP, application type, and protocol.
 - * This step ensures that each type of traffic is categorized correctly before applying bandwidth restrictions.
- 2##Step 2: Traffic Processing Based on Bandwidth Policies
- * Once traffic is classified, the firewall enforces bandwidth limits and security actions:
 - * Traffic exceeding the assigned bandwidth is discarded or throttled.
 - * Service connection limits are enforced to prevent excessive connections per user or application.
- 3##Step 3: Queue Scheduling and Priority Handling
- * If traffic exceeds the available bandwidth, the firewall prioritizes high-priority traffic using queue scheduling mechanisms.
 - * Techniques like Weighted Fair Queuing (WFQ) and Priority Queuing (PQ) ensure that critical traffic (e.g., VoIP, business applications) is prioritized over less important traffic (e.g., downloads, streaming).

NEW QUESTION # 40

Which of the following statements is false about RADIUS and HWTACACS?

- A. Both of them use the client/server model.
- B. Both of them use shared keys to encrypt user information.
- C. Both of them feature good flexibility and extensibility.
- **D. Both of them support authorization of configuration commands.**

Answer: D

Explanation:

Comprehensive and Detailed Explanation:

- * RADIUS and HWTACACS are AAA (Authentication, Authorization, and Accounting) protocols, but they have key differences:
- * RADIUS# Encrypts only passwords (not the entire message).
- * HWTACACS# Encrypts the entire packet, providing better security.
- * Command authorization:
- * RADIUS does not support command-level authorization.
- * HWTACACS supports per-command authorization (used in network device access control).
- * Why is C false?
- * RADIUS does not authorize configuration commands; HWTACACS does.

HCIP-Security References:

- * Huawei HCIP-Security Guide # RADIUS vs. HWTACACS

NEW QUESTION # 41

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