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Life is beset with all different obstacles that are not easily overcome. For instance, CAS-004 exams may be insurmountable barriers for the majority of population. However, with the help of our exam test, exams are no longer problems for you. The reason why our CAS-004 Training Materials outweigh other study prep can be attributed to three aspects, namely free renewal in one year, immediate download after payment and simulation for the software version.

CompTIA CASP+ certification exam is a challenging and rewarding certification that can help experienced security professionals take their careers to the next level. It covers a wide range of advanced security topics and is designed to test the candidate's ability to solve real-world security problems. CompTIA Advanced Security Practitioner (CASP+) Exam certification is recognized globally and can lead to new job opportunities and higher salaries.

The CASP+ certification exam is designed by CompTIA, a leading provider of IT certifications, to validate the skills and knowledge required to design and implement secure solutions in complex enterprise environments. CAS-004 Exam Tests the candidate's ability to interpret and analyze security data, recommend and implement appropriate security solutions, identify and remediate vulnerabilities, and implement secure communications strategies. Additionally, the exam assesses the candidate's ability to integrate computing, communications, and business disciplines to achieve enterprise objectives while maintaining security.

To take the CASP+ exam, candidates must have a minimum of ten years of experience in IT administration, with at least five years of hands-on technical security experience. CompTIA Advanced Security Practitioner (CASP+) Exam certification exam is intended for professionals who are responsible for creating and implementing cybersecurity solutions in their organizations.

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Therefore you can handle the questions in the real exam like a cork. Through highly effective learning method and easily understanding explanation, you will pass the CAS-004 exam with no difficulty.

CompTIA Advanced Security Practitioner (CASP+) Exam Sample Questions (Q552-Q557):

NEW QUESTION # 552

A company hosts a large amount of data in blob storage for its customers. The company recently had a number of issues with this data being prematurely deleted before the scheduled backup processes could be completed.

The management team has asked the security architect for a recommendation that allows blobs to be deleted occasionally, but only after a successful backup. Which of the following solutions will BEST meet this requirement?

- A. Make the blob immutable.
- **B. Implement soft delete for blobs.**
- C. Enable fast recovery on the storage account.
- D. Mirror the blobs at a local data center.

Answer: B

Explanation:

Soft delete allows blobs to be deleted, but the data remains accessible for a period of time before it is permanently deleted. This allows the company to delete blobs as needed, while still affording enough time for the backup process to complete. After the backup process is complete, the blobs can be permanently deleted.

NEW QUESTION # 553

An IPSec solution is being deployed. The configuration files for both the VPN concentrator and the AAA server are shown in the diagram.

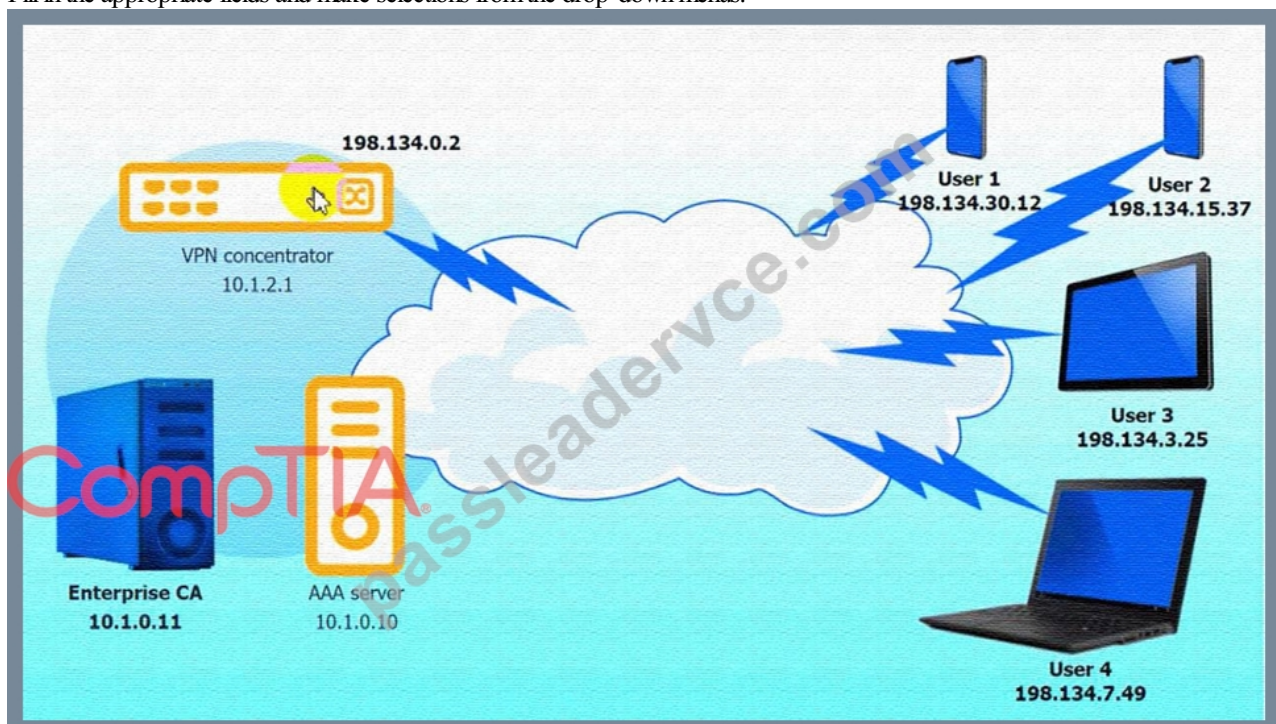
Complete the configuration files to meet the following requirements:

* The EAP method must use mutual certificate-based authentication (With issued client certificates).

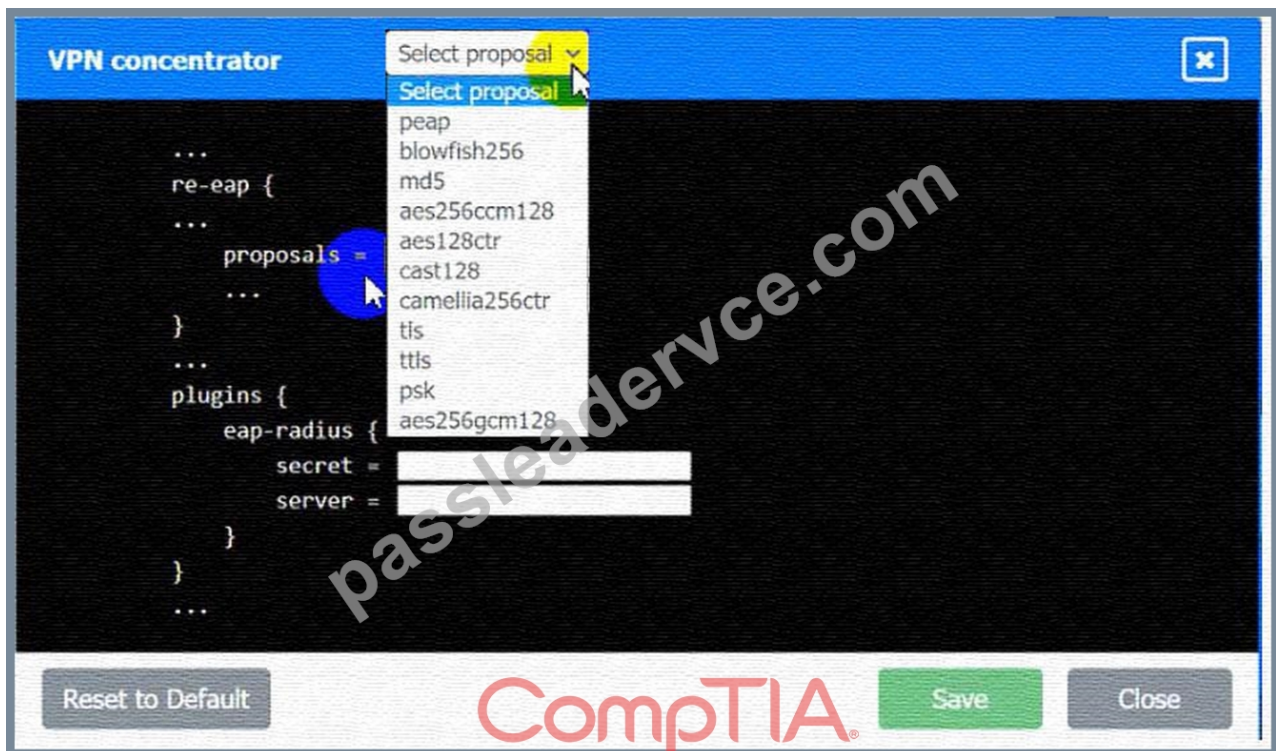
* The IKEv2 Cipher suite must be configured to the MOST secure authenticated mode of operation,

* The secret must contain at least one uppercase character, one lowercase character, one numeric character, and one special character, and it must meet a minimum length requirement of eight characters, INSTRUCTIONS Click on the AAA server and VPN concentrator to complete the configuration.

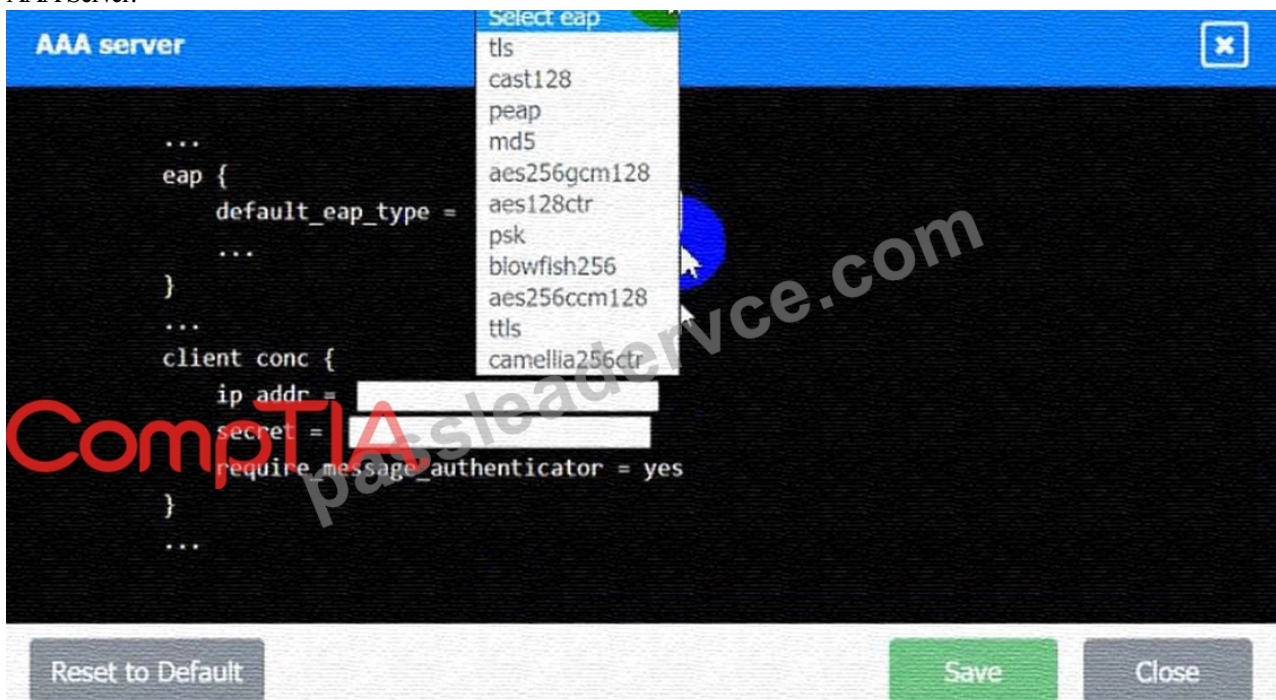
Fill in the appropriate fields and make selections from the drop-down menus.



VPN Concentrator:



AAA Server:



Answer:

Explanation:

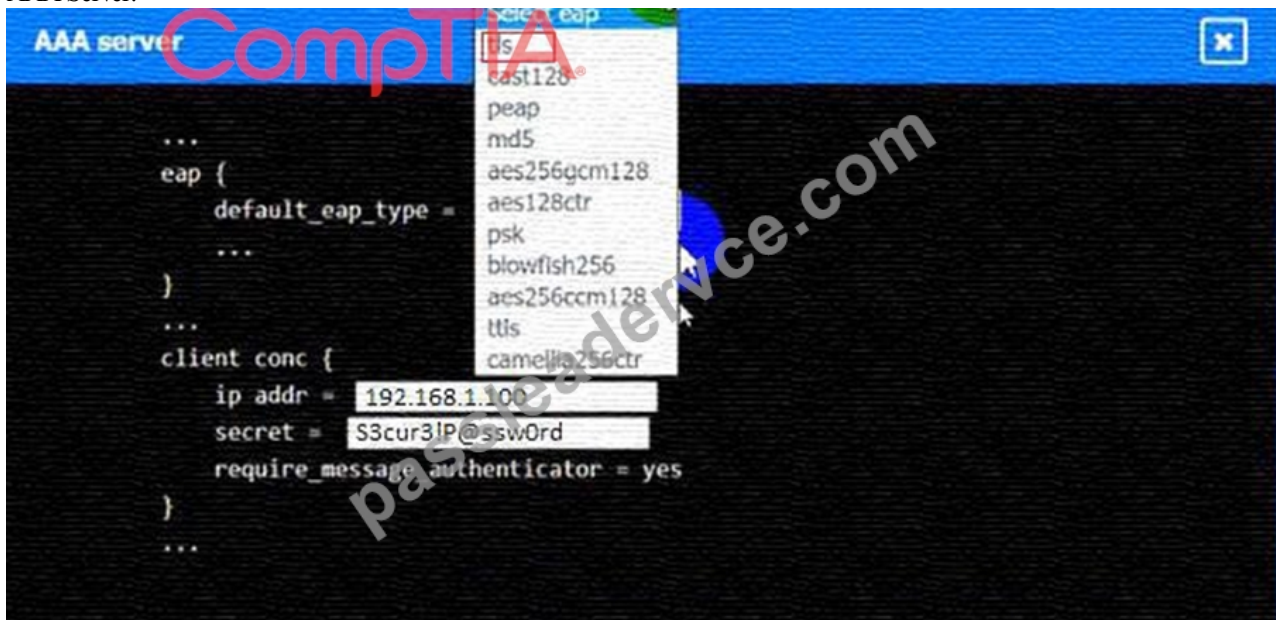
See the answer below in Explanation.

Explanation:

VPN Concentrator:



AAA Server:



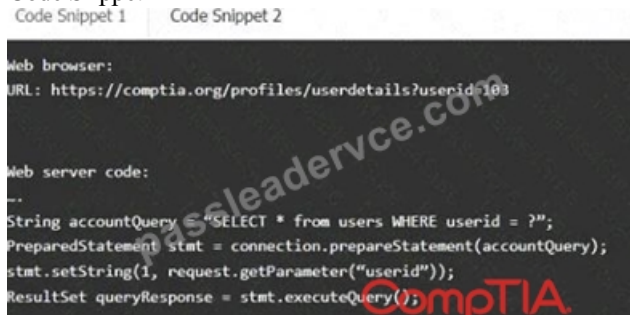
NEW QUESTION # 554

A product development team has submitted code snippets for review prior to release.

INSTRUCTIONS

Analyze the code snippets, and then select one vulnerability, and one fix for each code snippet.

Code Snippet 1



Code Snippet 2

Caller:

URL: <https://comptia.org/api/userprofile?userid=103>

API endpoint (/searchDirectory):

...

import subprocess

from http.server import HTTPServer, BaseHTTPRequestHandler

httpd = HTTPServer(('192.168.0.5', 8443), BaseHTTPRequestHandler)

httpd.serve_forever()

def get_request(request):

 userId = request.getParam(userid)

 ldaplookup = 'ldapsearch -D "cn=' + userId + '" -W -p 389

 -h loginserver.comptia.org

 -b "dc=comptia,dc=org" -s sub -x "(objectclass=*)"

 accountlookup = subprocess.Popen(ldaplookup)

 if (userExists(accountlookup))

 accountFound = true

 else

 accountFound = false

...

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Vulnerability 1:

SQL injection

Cross-site request forgery

Server-side request forgery

Indirect object reference

Cross-site scripting

Fix 1:

Perform input sanitization of the userid field.

Perform output encoding of queryResponse,

Ensure usenixia belongs to logged-in user.

Inspect URLs and disallow arbitrary requests.

Implement anti-forgery tokens.

Vulnerability 2

1) Denial of service

2) Command injection

3) SQL injection

4) Authorization bypass

5) Credentials passed via GET

Fix 2

A) Implement prepared statements and bind variables.

B) Remove the serve_forever instruction.

C) Prevent the "authenticated" value from being overridden by a GET parameter.

D) HTTP POST should be used for sensitive parameters.

E) Perform input sanitization of the userid field.

Answer:

Explanation:

See the solution below in explanation.

Explanation:

Code Snippet 1

Vulnerability 1: SQL injection

SQL injection is a type of attack that exploits a vulnerability in the code that interacts with a database. An attacker can inject malicious SQL commands into the input fields, such as username or password, and execute them on the database server. This can result in data theft, data corruption, or unauthorized access.

Fix 1: Perform input sanitization of the userid field.

Input sanitization is a technique that prevents SQL injection by validating and filtering the user input values before passing them to the database. The input sanitization should remove any special characters, such as quotes, semicolons, or dashes, that can alter the intended SQL query. Alternatively, the input sanitization can use a whitelist of allowed values and reject any other values.

Code Snippet 2

Vulnerability 2: Cross-site request forgery

Cross-site request forgery (CSRF) is a type of attack that exploits a vulnerability in the code that handles web requests. An attacker can trick a user into sending a malicious web request to a server that performs an action on behalf of the user, such as changing their password, transferring funds, or deleting data. This can result in unauthorized actions, data loss, or account compromise.

Fix 2: Implement anti-forgery tokens.

Anti-forgery tokens are techniques that prevent CSRF by adding a unique and secret value to each web request that is generated by the server and verified by the server before performing the action. The anti-forgery token should be different for each user and each session, and should not be predictable or reusable by an attacker. This way, only legitimate web requests from the user's browser can be accepted by the server.

NEW QUESTION # 555

A security engineer is performing a vulnerability management scan on multihomed Linux systems. The engineer notices that the vulnerability count is high due to the fact that each vulnerability is multiplied by the number of NICs on each system. Which of the following should the engineer do to deduplicate the vulnerabilities and to associate the vulnerabilities with a particular host?

- A. Initiate a discovery scan.
- **B. Deploy an agent.**
- C. Use a SCAP scanner.
- D. Perform an Nmap scan.

Answer: B

NEW QUESTION # 556

A Chief information Security Officer (CISO) is developing corrective-action plans based on the following from a vulnerability scan of internal hosts:

```
High (CVSS: 10.0)
NVT: PHP 'php_esc_wm_execdir()' Buffer Overflow Vulnerability (Windows) (OID: 1.3.6.1.4.1.25623.1.1.103317)
Product detection result: cpe:/a:php:php:5.3.6 by PHP Version Detection (Remote) (OID: 1.3.6.1.4.1.25623.1.2.800109)

Summary
This host is running PHP and is prone to buffer overflow vulnerability.
Vulnerability Detection Result: Installed version: 5.3.6
Fixed version: 5.3.15/5.4.5

Impact
Successful exploitation could allow attackers to execute arbitrary code and cause crashes that likely result in denial-of-service conditions. Impact Level: System/Application
```

Which of the following MOST appropriate corrective action to document for this finding?

- **A. The product owner should perform a business impact assessment regarding the ability to implement a WAF.**
- B. The application developer should use a static code analysis tool to ensure any application code is not vulnerable to buffer overflows.
- C. The security operations center should develop a custom IDS rule to prevent attacks buffer overflows against this server.
- D. The system administrator should evaluate dependencies and perform upgrade as necessary.

Answer: A

NEW QUESTION # 557

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In order to meet the different need from our customers, the experts and professors from our company designed three different

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