CAS-004 Q&As

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QUESTION 1

SIMULATION

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:

1.

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

2.

The IKEv2 cipher suite must be configured to the MOST secure authenticated mode of operation.

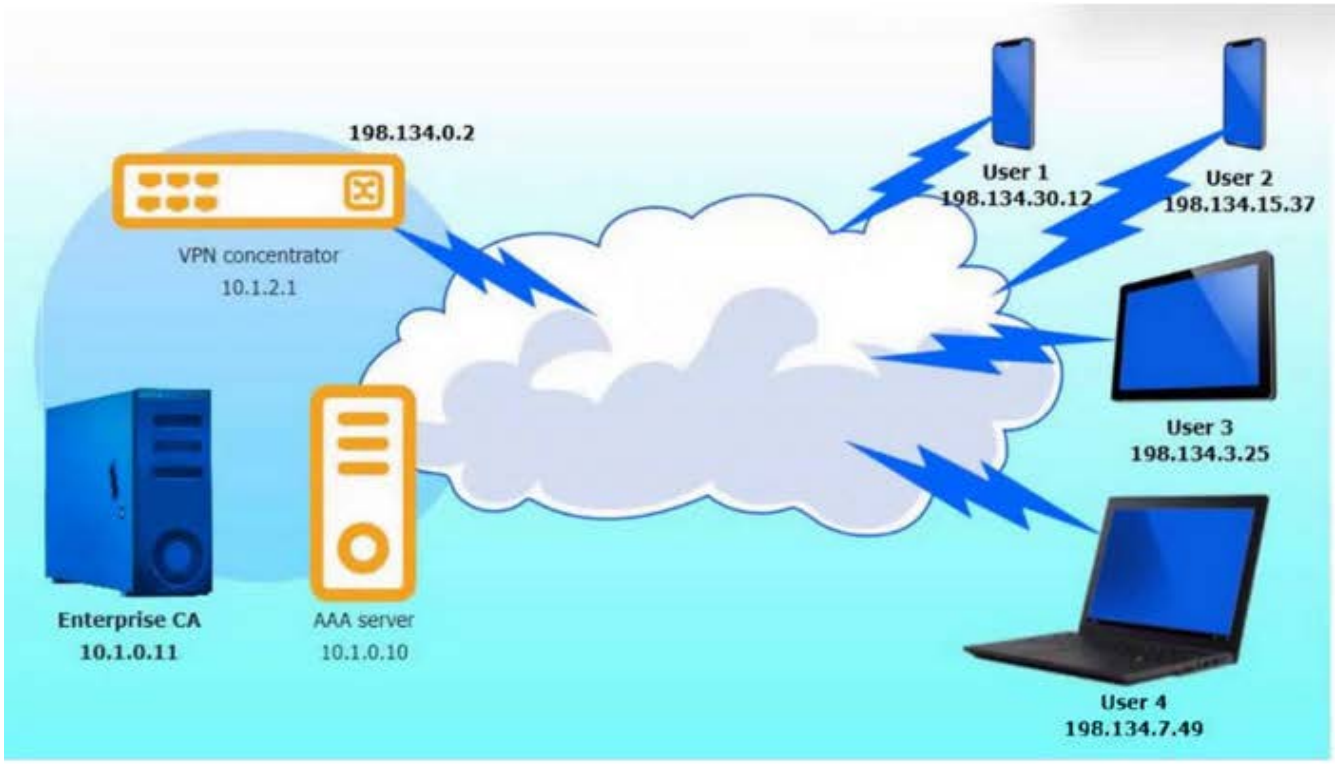
3.

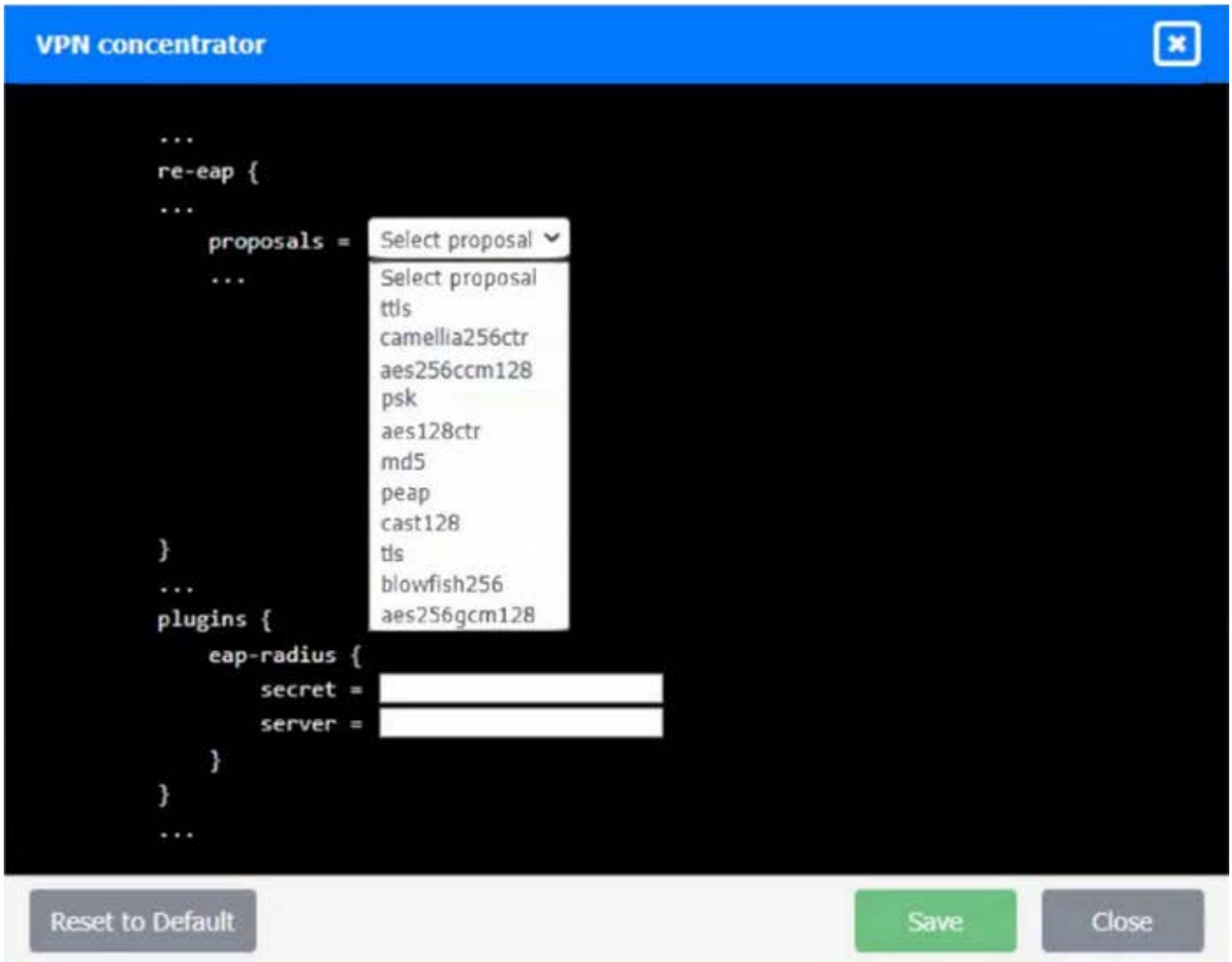
The secret must contain at least one uppercase character, one lowercase character, one numeric character, and one special character, and it must meet a minimum length requirement of eight characters.

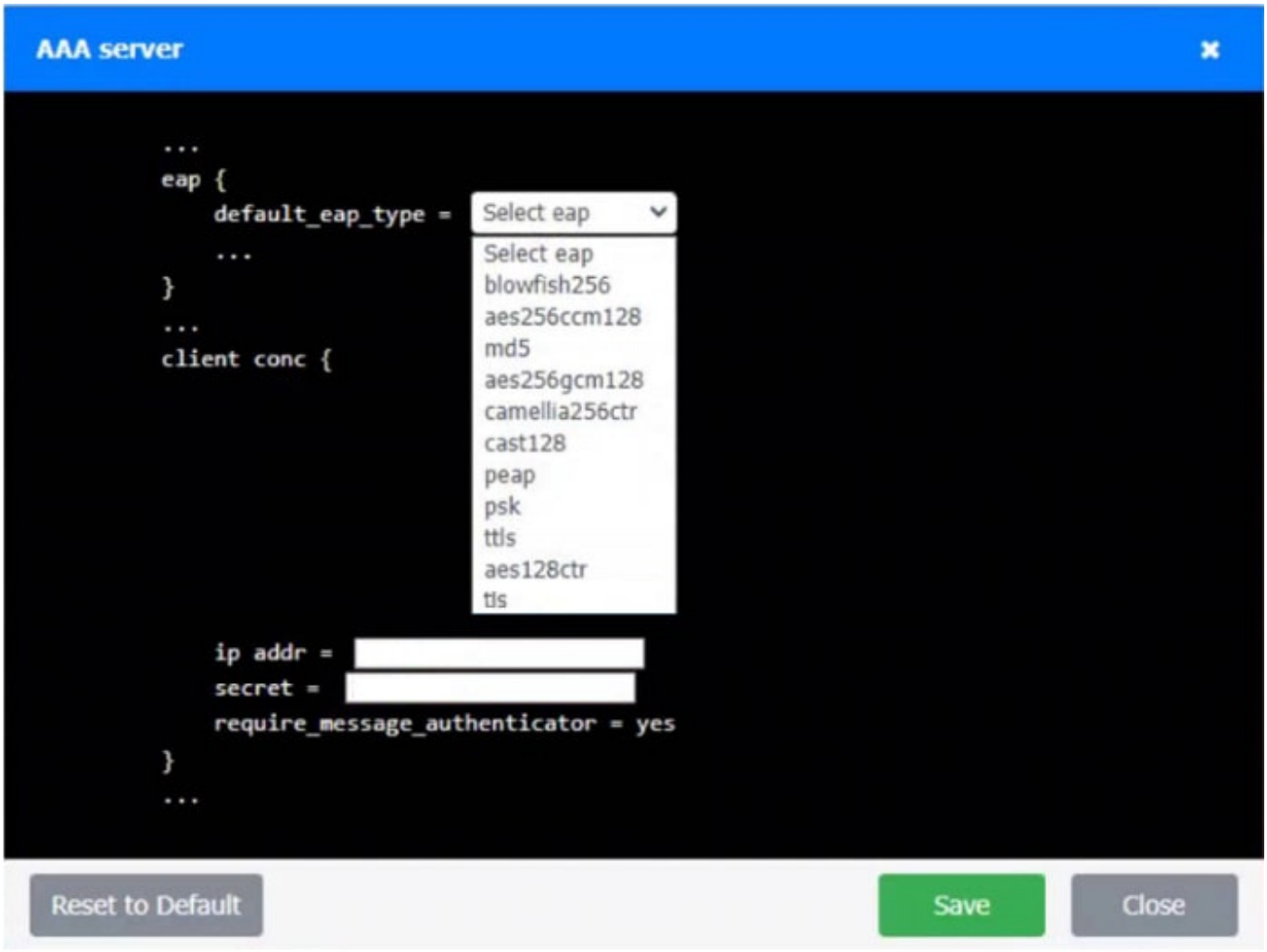
INSTRUCTIONS

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.

If at any time you would like to bung back the initial state of the simulation, please click the Reset All button.


198.134.0.2
VPN concentrator
10.1.2.1
User 1
198.134.30.12
User 2
198.134.15.37
User 3
198.134.3.25
User 4
198.134.7.49
Enterprise CA
10.1.0.11
AAA server
10.1.0.10


VPN concentrator
...
re-eap {
...
proposals =
Select proposal
Select proposal
ttls
camellia256ctr
aes256ccm128
psk
aes128ctr
md5
peap
cast128
tls
blowfish256
aes256gcm128
}
...
plugins {
eap-radius {
secret =
server =
}
}
...
Reset to Default
Save
Close



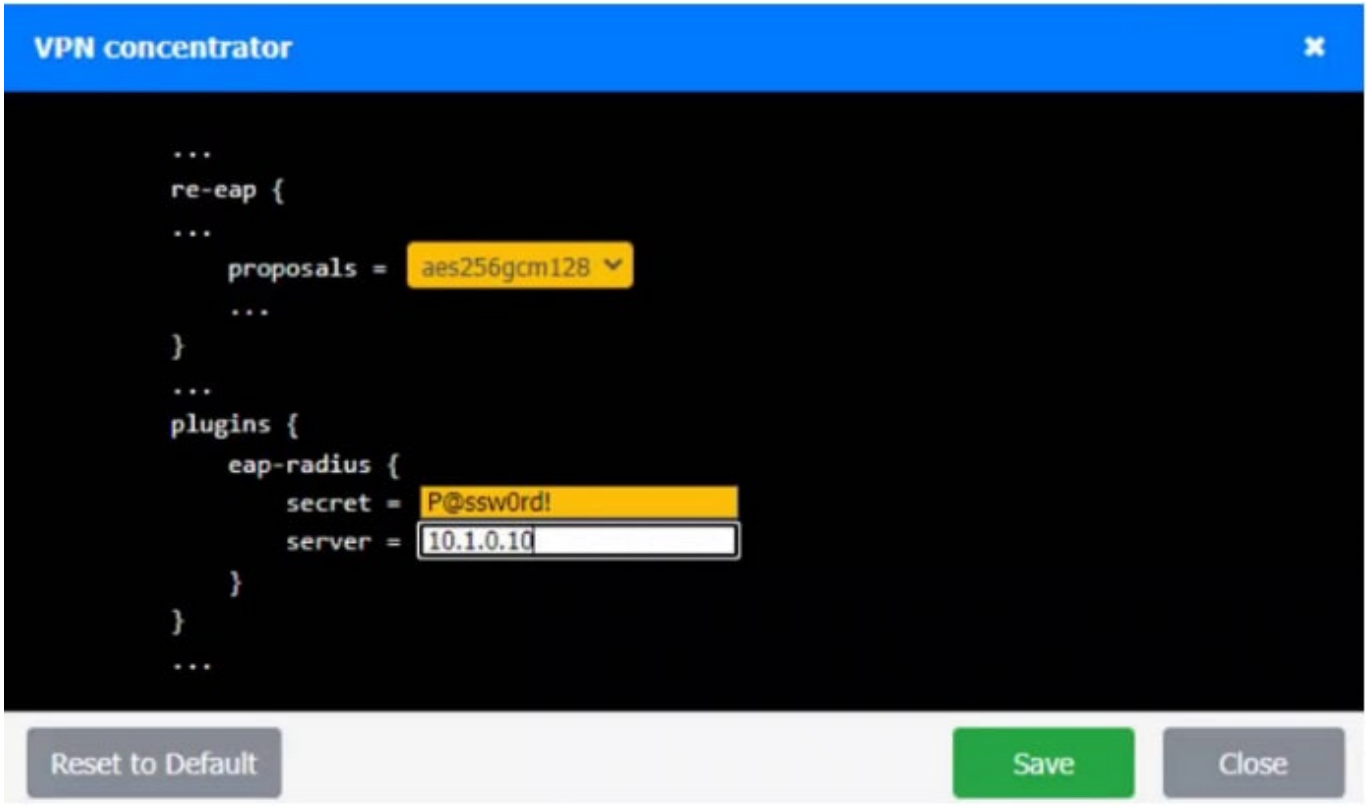
A. Check the answer in explanation below.

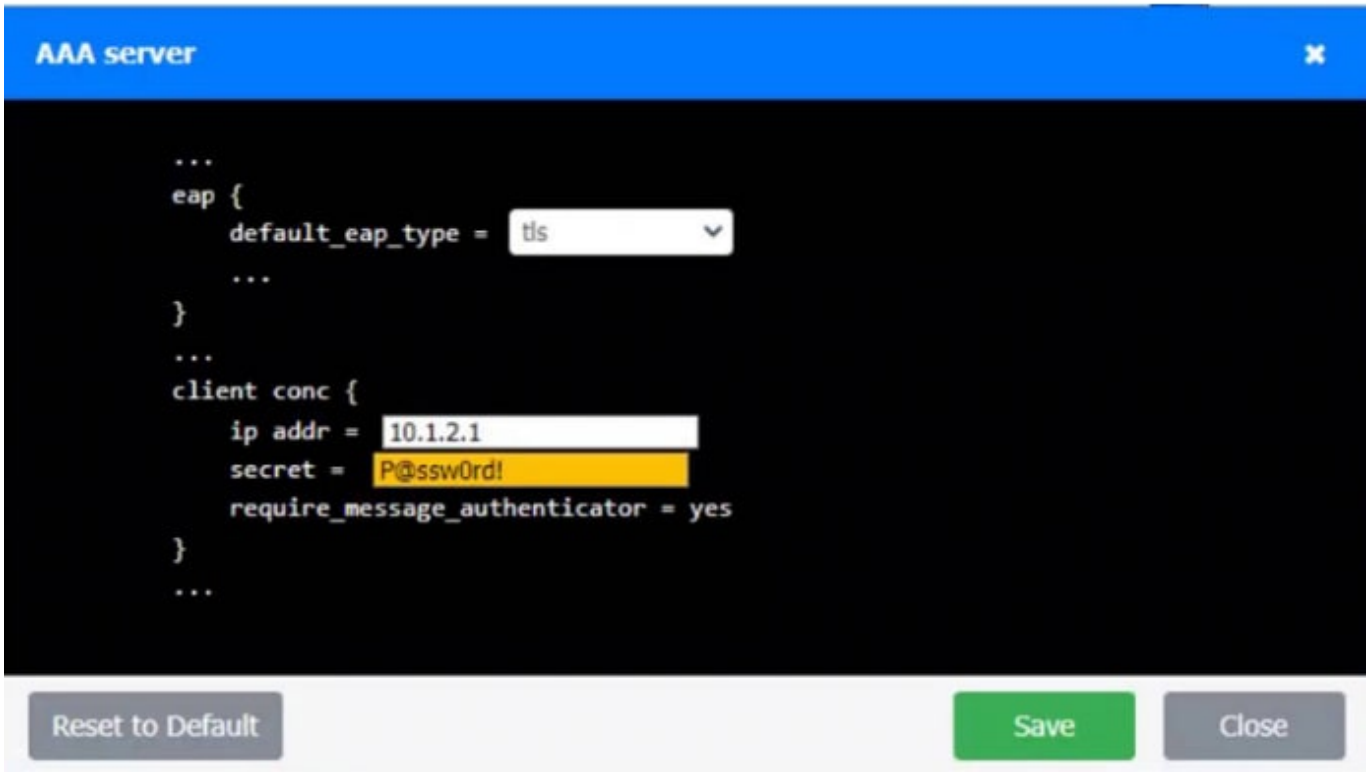
B. PlaceHolder

C. PlaceHolder

D. PlaceHolder

Correct Answer: A





QUESTION 2

A BIA of a popular online retailer identified several mission-essential functions that would take more than seven days to recover in the event of an outage. Which of the following should be considered when setting priorities for the restoration

of these functions?

A. Supply chain issues

B. Revenue generation

C. Warm-site operations

D. Scheduled impacts to future projects

Correct Answer: B

QUESTION 3

A software developer was just informed by the security team that the company\\'s product has several vulnerabilities. Most of these vulnerabilities were traced to code the developer did not write. The developer does not recognize some of the code, as it was in the software before the developer started on the program and is not tracked for licensing purposes. Which of the following would the developer MOST likely do to mitigate the risks and prevent further issues like these from occurring?

A. Perform supply chain analysis and require third-party suppliers to implement vulnerability management programs.

B. Perform software composition analysis and remediate vulnerabilities found in the software.

C. Perform reverse engineering on the code and rewrite the code in a more secure manner.

D. Perform fuzz testing and implement DAST in the code repositories to find vulnerabilities prior to deployment.

Correct Answer: B

QUESTION 4

The Chief information Officer (CIO) of a large bank, which uses multiple third-party organizations to deliver a service, is concerned about the handling and security of customer data by the parties.

Which of the following should be implemented to BEST manage the risk?

A. Establish a review committee that assesses the importance of suppliers and ranks them according to contract renewals. At the time of contract renewal, incorporate designs and operational controls into the contracts and a right-to-audit clause. Regularly assess the supplier\\'s post-contract renewal with a dedicated risk management team.

B. Establish a team using members from first line risk, the business unit, and vendor management to assess only design security controls of all suppliers. Store findings from the reviews in a database for all other business units and risk teams to reference.

C. Establish an audit program that regularly reviews all suppliers regardless of the data they access, how they access the data, and the type of data, Review all design and operational controls based on best practice standard and report the finding back to upper management.

D. Establish a governance program that rates suppliers based on their access to data, the type of data, and how they access the data Assign key controls that are reviewed and managed based on the supplier\\'s rating. Report finding units that rely on the suppliers and the various risk teams.

Correct Answer: A

QUESTION 5

A bank hired a security architect to improve its security measures against the latest threats. The solution must meet the following requirements:

1.

Recognize and block fake websites.

2.

Decrypt and scan encrypted traffic on standard and non-standard ports.

3.

Use multiple engines for detection and prevention.

4.

Have central reporting.

Which of the following is the BEST solution the security architect can propose?

A. CASB

B. Web filtering

C. NGFW

D. EDR

Correct Answer: C

While other options like CASB (Cloud Access Security Broker), Web Filtering, and EDR (Endpoint Detection and Response) have their strengths in specific areas of security, a Next-Generation Firewall (NGFW) is a comprehensive solution that aligns well with the listed requirements. NGFWs are known for their versatility in handling various security functionalities, making them a suitable choice for enhancing overall security posture by offering advanced threat detection, content inspection, and centralized management capabilities.

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