



# CV0-003<sup>Q&As</sup>

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### QUESTION 1

A systems administrator is analyzing a report of slow performance in a cloud application. This application is working behind a network load balancer with two VMs, and each VM has its own digital certificate configured. Currently, each VM is consuming 85% CPU on average. Due to cost restrictions, the administrator cannot scale vertically or horizontally in the environment.

Which of the following actions should the administrator take to decrease the CPU utilization? (Choose two.)

- A. Configure the communication between the load balancer and the VMs to use a VPN.
- B. Move the digital certificate to the load balancer.
- C. Configure the communication between the load balancer and the VMs to use HTTP.
- D. Reissue digital certificates on the VMs.
- E. Configure the communication between the load balancer and the VMs to use HTTPS.
- F. Keep the digital certificates on the VMs.

Correct Answer: BE

By moving the digital certificate to the load balancer, the system administrator is offloading the processing of the SSL/TLS encryption to the load balancer and not the VMs. This can help to decrease the CPU utilization on the VMs. Additionally, configuring the communication between the load balancer and the VMs to use HTTPS also eliminates the need to process encryption on the VMs, this will also decrease the CPU utilization on the VMs.

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### QUESTION 2

Which of the following cloud services is fully managed?

- A. IaaS
- B. GPU in the cloud
- C. IoT
- D. Serverless compute
- E. SaaS

Correct Answer: E

SaaS (Software as a Service) is a cloud service model that provides fully managed applications to the end users. The users do not have to worry about installing, updating, or maintaining the software, as the cloud provider handles all these tasks. Examples of SaaS are Gmail, Office 365, Salesforce, etc.

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### QUESTION 3

A company wants to take advantage of cloud benefits while retaining control of and maintaining compliance with all its



security policy obligations. Based on the non-functional requirements, which of the following should the company use?

- A. Hybrid cloud, as use is restricted to trusted customers
- B. IaaS, as the cloud provider has a minimal level of security responsibility
- C. PaaS, as the cloud customer has the most security responsibility
- D. SaaS, as the cloud provider has less security responsibility

Correct Answer: B

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#### QUESTION 4

A company is doing a cloud-to-cloud migration to lower costs. A systems administrator has to plan the migration accordingly.

Which of the following considerations is MOST important for a successful, future-proof, and low-cost migration?

- A. Tier pricing
- B. Licensing
- C. Estimated consumption
- D. Feature compatibility

Correct Answer: D

Feature compatibility is an important consideration for a successful cloud-to-cloud migration, as different cloud providers may have different features, services, APIs, and standards. If the application relies on specific features that are not available or compatible with the target cloud provider, the migration may fail or incur additional costs and complexity. The administrator should assess and compare the features of both cloud providers and ensure they meet the application requirements.

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#### QUESTION 5

A cloud engineer recently used a deployment script template to implement changes on a cloud-hosted web application. The web application communicates with a managed database on the back end. The engineer later notices the web application is no longer receiving data from the managed database. Which of the following is the MOST likely cause of the issue?

- A. Misconfiguration in the user permissions
- B. Misconfiguration in the routing traffic
- C. Misconfiguration in the network ACL
- D. Misconfiguration in the firewall

Correct Answer: D

Reference: <https://www.sunnyvalley.io/docs/network-security-tutorials/most-common-cause-of-firewall-failure>

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