

## CV1-003<sup>Q&As</sup>

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## QUESTION 1

A company recently experienced a power outage that lasted 30 minutes. During this time, a whole rack of servers was inaccessible, even though the servers did not lose power.

Which of the following should be investigated FIRST?

- A. Server power
- B. Rack power
- C. Switch power
- D. SAN power

Correct Answer: C

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## QUESTION 2

A company developed a product using a cloud provider's PaaS platform and many of the platform-based components within the application environment. Which of the following would the company MOST likely be concerned about when utilizing a multicloud strategy or migrating to another cloud provider?

- A. Licensing
- B. Authentication providers
- C. Service-level agreement
- D. Vendor lock-in

Correct Answer: C

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## QUESTION 3

A marketing team is using a SaaS-based service to send emails to large groups of potential customers. The internally managed CRM system is configured to generate a list of target customers automatically on a weekly basis, and then use that list to send emails to each customer as part of a marketing campaign. Last week, the first email campaign sent emails successfully to 3,000 potential customers. This week, the email campaign attempted to send out 50,000 emails, but only 10,000 were sent.

Which of the following is the MOST likely reason for not sending all the emails?

- A. API request limit
- B. Incorrect billing account
- C. Misconfigured auto-scaling
- D. Bandwidth limitation

Correct Answer: A

Reference: <https://developers.google.com/analytics/devguides/config/mgmt/v3/limits-quotas>

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## QUESTION 4

An organization is implementing a new requirement to facilitate users with faster downloads of corporate application content. At the same time, the organization is also expanding cloud regions. Which of the following would be suitable to optimize the network for this requirement?

- A. Implement CDN for overall cloud application
- B. Implement auto-scaling of the compute resources
- C. Implement SR-IOV on the server instances
- D. Implement an application container solution

Correct Answer: C

Reference: [https://access.redhat.com/documentation/en-us/red\\_hat\\_openshift\\_platform/13/html/network\\_functions\\_virtualization\\_planning\\_and\\_configuration\\_guide/part-sriov-nfv-configuration](https://access.redhat.com/documentation/en-us/red_hat_openshift_platform/13/html/network_functions_virtualization_planning_and_configuration_guide/part-sriov-nfv-configuration)

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## QUESTION 5

A systems administrator needs to convert ten physical servers to virtual.

Which of the following would be the MOST efficient conversion method for the administrator to use?

- A. Rebuild the servers from scratch
- B. Use the vendor's conversion tool
- C. Clone the hard drive
- D. Restore from backup

Correct Answer: C

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## QUESTION 6

In an existing IaaS instance, it is required to deploy a single application that has different versions.

Which of the following should be recommended to meet this requirement?

- A. Deploy using containers
- B. Install a Type 2 hypervisor
- C. Enable SR-IOV on the host

D. Create snapshots

Correct Answer: A

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## QUESTION 7

A systems administrator wants the VMs on the hypervisor to share CPU resources on the same core when feasible. Which of the following will BEST achieve this goal?

- A. Configure CPU passthrough
- B. Oversubscribe CPU resources
- C. Switch from a Type 1 to a Type 2 hypervisor
- D. Increase instructions per cycle
- E. Enable simultaneous multithreading

Correct Answer: B

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## QUESTION 8

A systems administrator is troubleshooting performance issues with a Windows VDI environment. Users have reported that VDI performance is very slow at the start of the work day, but the performance is fine during the rest of the day. Which of the following is the MOST likely cause of the issue?

- A. Disk I/O limits
- B. Affinity rule
- C. CPU oversubscription
- D. RAM usage

Correct Answer: C

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## QUESTION 9

A DevOps administrator is automating an existing software development workflow. The administrator wants to ensure that prior to any new code going into production, tests confirm the new code does not negatively impact existing automation activities.

Which of the following testing techniques would be BEST to use?

- A. Usability testing
- B. Regression testing
- C. Vulnerability testing

D. Penetration testing

Correct Answer: B

Reference: <https://www.softwaretestinghelp.com/regression-testing-tools-and-methods/>

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## QUESTION 10

An SQL injection vulnerability was reported on a web application, and the cloud platform team needs to mitigate the vulnerability while it is corrected by the development team. Which of the following controls will BEST mitigate the risk of exploitation?

A. DLP

B. HIDS

C. NAC

D. WAF

Correct Answer: A

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## QUESTION 11

A systems administrator recently upgraded the processors in a web application host. Upon the next login, the administrator sees a new alert regarding the license being out of compliance. Which of the following licensing models is the application MOST likely using?

A. Per device

B. Per user

C. Core-based

D. Volume-based

Correct Answer: C

Reference: [https://download.microsoft.com/download/3/d/4/3d42bdc2-6725-4b29-b75a-a5b04179958b/percorelicensing\\_definitions\\_vlbrief.pdf](https://download.microsoft.com/download/3/d/4/3d42bdc2-6725-4b29-b75a-a5b04179958b/percorelicensing_definitions_vlbrief.pdf)

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## QUESTION 12

A systems administrator needs to configure a set of policies to protect the data to comply with mandatory regulations.

Which of the following should the administrator implement to ensure DLP efficiently prevents the exposure of sensitive data in a cloud environment?

A. Integrity

B. Versioning

C. Classification

D. Segmentation

Correct Answer: C

Reference: <https://cloud.google.com/dlp/docs>

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## QUESTION 13

Which of the following will mitigate the risk of users who have access to an instance modifying the system configurations?

A. Implement whole-disk encryption

B. Deploy the latest OS patches

C. Deploy an anti-malware solution

D. Implement mandatory access control

Correct Answer: D

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## QUESTION 14

A company has decided to get multiple compliance and security certifications for its public cloud environment. However, the company has few staff members to handle the extra workload, and it has limited knowledge of the current infrastructure.

Which of the following will help the company meet the compliance requirements as quickly as possible?

A. DLP

B. CASB

C. FIM

D. NAC

Correct Answer: D

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## QUESTION 15

A company is utilizing a private cloud solution that is hosted within its datacenter. The company wants to launch a new business application, which requires the resources below:

Maximum concurrent sessions	Number of nodes required	Required per-node vCPU	Required per-node RAM
1,000	2	4	32
5,000	4	6	64
10,000	6	8	64
25,000	8	8	128

The current private cloud has 30 vCPUs and 512GB RAM available. The company is looking for a quick solution to launch this application, with expected maximum sessions to be close to 24,000 at launch and an average of approximately 5,000 sessions.

Which of the following solutions would help the company accommodate the new workload in the SHORTEST amount of time and with the maximum financial benefits?

- A. Configure auto-scaling within the private cloud
- B. Set up cloud bursting for the additional resources
- C. Migrate all workloads to a public cloud provider
- D. Add more capacity to the private cloud

Correct Answer: A

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