CV0-003^{Q&As}

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QUESTION 1

A technician is working with an American company that is using cloud services to provide video-based training for its customers. Recently, due to a surge in demand, customers in Europe are experiencing latency.

Which of the following services should the technician deploy to eliminate the latency issue?

A. Auto-scaling

B. Cloud bursting

C. A content delivery network

D. A new cloud provider

Correct Answer: C

https://www.cloudflare.com/learning/cdn/what-is-a-cdn/ "A content delivery network (CDN) refers to a geographically distributed group of servers which work together to provide fast delivery of Internet content."

QUESTION 2

A cloud administrator is building a new VM for machine-learning training. The developer requesting the VM has stated that the machine will need a full GPU dedicated to it.

Which of the following configuration options would BEST meet this requirement?

A. Virtual GPU

B. External GPU

C. Passthrough GPU

D. Shared GPU

Correct Answer: C

Passthrough GPU is a configuration option that allows a VM to access a physical GPU directly without any virtualization layer or sharing mechanism. This provides the VM with full and exclusive access to the GPU resources and performance. Passthrough GPU is suitable for applications that require intensive graphics processing or machine learning training.

Reference: https://blogs.vmware.com/apps/2018/09/using-gpus-with-virtual-machines-on-vsphere-part-2-vmdirectpath-i-o.html

QUESTION 3

A cloud administrator is integrating account logins with Facebook, LinkedIn, and Twitter for marketing and to increase market presence using social media platforms. Given this scenario, which of the following components are needed to match these requirements? (Select TWO).

A. SOAP

B. SAML assertion

C. Security token

D. Identity provider

E. Session state

Correct Answer: BE

QUESTION 4

A systems administrator is troubleshooting issues with network slowness. Traffic analysis shows that uplink bandwidth on the core switch is often sustained at 125Mbps due to a combination of production traffic from other sources. Which of the following would BEST resolve the issue?

A. Turn off the servers that use the most bandwidth.

B. Enable QoS to prioritize production traffic.

C. Increase the buffer size on the core switch.

D. Reboot the core switch.

Correct Answer: B

The best solution to resolve the issue of network slowness caused by high uplink bandwidth utilization on the core switch is to enable quality of service (QoS) to prioritize production traffic over other types of traffic. QoS is a mechanism that allows network administrators to classify and manage network traffic according to its importance, latency, bandwidth, and reliability requirements. By enabling QoS, the core switch can allocate more resources and guarantee better performance for production traffic, while limiting or dropping less critical traffic. Reference: CompTIA Cloud+ Certification Exam Objectives, Domain 4.0 Troubleshooting, Objective 4.1 Given a scenario, troubleshoot connectivity issues related to cloud implementations.

QUESTION 5

A systems administrator swapped a failed hard drive on a server with a RAID 5 array. During the RAID resynchronization, a second hard drive failed.

Which of the following actions will make the server fully operational?

A. Restart the RAID resynchronization process

B. Perform a P2V migration of the server

C. Swap the failed hard drive with a fresh one

D. Restore the server from backup

Correct Answer: D

RAID 5 is a disk array configuration that uses parity to provide fault tolerance and data recovery. RAID 5 can tolerate the failure of one disk, but not two or more disks. If a second disk fails during the resynchronization process, the data on the RAID 5 array will be lost and unrecoverable. The only way to make the server fully operational is to restore the data from a backup source.

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