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QUESTION 1

A cloud engineer, who manages workloads in a public cloud environment, uses autoscaling to maintain availability of a critical application. During a recent burst in demands, the engineer received the following error alert:

LimitedInstanceCapacity

Which of the following is MOST likely cause of the error?

- A. The cloud account has a misconfigured security group.
- B. The cloud account has exhausted the number of instances quota.
- C. The cloud account has had rights revoked to create instances.
- D. The autoscaling feature does not have permissions to create instances.

Correct Answer: B

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 systems administrator wants to have near-real-time information on the volume of data being exchanged between an application server and its clients on the Internet.

Which of the following should the systems administrator implement to achieve this objective?

- A. A stateful firewall
- B. DLP
- C. DNSSEC
- D. Network flows

Correct Answer: D

Network flows are records of network traffic that capture information such as source and destination IP addresses, ports, protocols, timestamps, and byte and packet counts. Network flows can provide near-real-time information on the volume of data being exchanged between a system and its clients on the Internet, as they can measure and monitor the amount and rate of network traffic for each connection or session. Network flows can also help analyze network performance, troubleshoot network issues, and detect network anomalies or security incidents. A systems administrator should implement network flows to achieve the objective of having near-real-time information on the volume of data being exchanged between an application server and its clients on the Internet. References: CompTIA Cloud+ Certification Exam Objectives, page 16, section 3.2

QUESTION 4

A company has moved all on-premises workloads into a public cloud. After some time, the cloud engineer starts noticing time drifts on the VMs and suspects an NTP issue. Time drifts were not an issue when all the workloads were on-premises.

Which of the following describes how the cloud engineer should resolve the issue?

- A. Implement Coordinated Universal Time on all workloads
- B. Point all workloads back to an on-premises NTP server
- C. Point all workloads to a stratum 2 within the public cloud provider
- D. Configure all of the VMs as NTP servers within the public cloud provider

Correct Answer: A

QUESTION 5

A cloud administrator is investigating slow VM performance. The administrator has checked the physical server performance and has identified the host is under stress due to a peak usage workload. Which of the following is the NEXT step the administrator should complete?

- A. Perform a root cause analysis.
- B. Migrate the VM to a different host.
- C. Document the findings.
- D. Perform a system restart.

Correct Answer: A

Reference: <https://docs.vmware.com/en/VMware-Smart-Assurance/10.1.7/deployment-scenarios/GUID-DD90BD68-5A04-405E-B532-5B928CA39CAE.html>

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