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QUESTION 1

A systems administrator is provisioning VMs in a cloud environment and has been told to select an OS build with the furthest end-of-life date.

Which of the following OS builds would be BEST for the systems administrator to use?

- A. Open-source
- B. LTS
- C. Canary
- D. Beta
- E. Stable

Correct Answer: B

Long-term support (LTS) is a type of release cycle that provides extended support and maintenance for software products or operating systems. LTS releases typically have longer end-of-life dates than regular releases, as they receive security updates, bug fixes, and patches for several years after their initial release date. LTS releases can also offer higher stability, reliability, and compatibility than regular releases, as they undergo more testing and quality assurance processes before being released. LTS is the best OS build for a systems administrator to use when provisioning VMs in a cloud environment and being told to select an OS build with the furthest end-of-life date.

References: CompTIA Cloud+ Certification Exam Objectives, page 11, section 1.6

QUESTION 2

A company wants to move to a multicloud environment and utilize the technology that provides the most portability. Which of the following technology solutions would BEST meet the company's needs?

- A. Bootstrap
- B. Virtual machines
- C. Clusters
- D. Containers

Correct Answer: D

The technology that provides the most portability for a multicloud environment is containers. Containers are units of software that package an application and its dependencies into a standardized and isolated environment that can run on any platform or cloud service. Containers are lightweight, scalable, and portable, as they do not depend on the underlying infrastructure or operating system. Containers can also be managed by orchestration tools that automate the deployment, scaling, and networking of containerized applications across multiple clouds. Reference: [CompTIA Cloud+ Certification Exam Objectives], Domain 1.0 Configuration and Deployment, Objective 1.3 Given a scenario involving integration between multiple cloud environments, select an appropriate solution design.

QUESTION 3



A company with a worldwide presence wants to improve the user experience for its website. Which of the following can a systems administrator implement to improve download speeds and latency for the end users?

- A. A CDN solution
- B. An MPLS connection between datacenters
- C. A DNS round robin
- D. A site-to-site VPN between datacenters

Correct Answer: A

QUESTION 4

An engineer is investigating potential performance issues in a hypervisor platform. When comparing the allocated versus actual resources, the engineer notices the platform is oversubscribed. Which of the following is MOST likely the immediate cause of the performance issues?

- A. Dynamic allocation
- B. Oversubscription
- C. Ballooning
- D. Transparent page sharing

Correct Answer: B

Reference: <https://www.techtarget.com/searchitoperations/answer/How-do-I-size-capacity-for-VMware-oversubscription>

QUESTION 5

To save on licensing costs, the on-premises, IaaS-hosted databases need to be migrated to a public DBaaS solution. Which of the following would be the BEST technique?

- A. Live migration
- B. Physical-to-virtual
- C. Storage-level mirroring
- D. Database replication

Correct Answer: D

Database replication is the best technique to migrate databases from an on-premises IaaS-hosted environment to a public DBaaS solution. Database replication is a process of copying data from one database server to another database server in real-time or near real-time. Database replication can ensure data consistency and availability across different locations and platforms. Database replication can facilitate migration by synchronizing data between on-premises databases and cloud databases.



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