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QUESTION 1

A cloud administrator is setting up a DR site on a different zone of the same CSP. The application servers are replicated using the VM replication, and the database replication is set up using log shipping. Upon testing the DR site, the application servers are unable to access the database servers. The administrator has verified the systems are running and are accessible from the CSP portal.

Which of the following should the administrator do to fix this issue?

- A. Change the database application IP
- B. Create a database cluster between the primary site and the DR site
- C. Update the connection string
- D. Edit the DNS record at the DR site for the application servers

Correct Answer: C

QUESTION 2

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: E

QUESTION 3

A company that utilizes an IaaS service provider has contracted with a vendor to perform a penetration test on its environment. The vendor is able to exploit the virtualization layer and obtain access to other instances within the cloud provider's environment that do not belong to the company.

Which of the following BEST describes this attack?

- A. VM escape
- B. Directory traversal
- C. Buffer overflow
- D. Heap spraying



Correct Answer: A

Reference: <https://whatis.techtarget.com/definition/virtual-machine-escape>

QUESTION 4

A systems administrator is troubleshooting network throughput issues following a deployment. The network is currently being overwhelmed by the amount of traffic between the database and the web servers in the environment. Which of the following should the administrator do to resolve this issue?

- A. Set up affinity rules to keep web and database servers on the same hypervisor
- B. Enable jumbo frames on the gateway
- C. Move the web and database servers onto the same VXLAN
- D. Move the servers onto thick-provisioned storage

Correct Answer: B

QUESTION 5

A systems administrator needs to configure SSO authentication in a hybrid cloud environment. Which of the following is the BEST technique to use?

- A. Access controls
- B. Federation
- C. Multifactor authentication
- D. Certificate authentication

Correct Answer: C

Reference: <https://techbeacon.com/security/how-get-single-sign-right-todays-hybrid-it-environments>

QUESTION 6

A systems administrator in a large enterprise needs to alter the configuration of one of the finance department's database servers. Which of the following should the administrator perform FIRST?

- A. Capacity planning
- B. Change management
- C. Backups
- D. Patching

Correct Answer: C



QUESTION 7

A VDI administrator has received reports of poor application performance. Which of the following should the administrator troubleshoot FIRST?

- A. The network environment
- B. Container resources
- C. Client devices
- D. Server resources

Correct Answer: D

QUESTION 8

An IaaS provider has numerous devices and services that are commissioned and decommissioned automatically on an ongoing basis. The cloud administrator needs to implement a solution that will help reduce administrative overhead. Which of the following will accomplish this task?

- A. IPAM
- B. NAC
- C. NTP
- D. DNS

Correct Answer: A

Reference: <https://www.infoblox.com/glossary/ipam-ip-address-management/>

QUESTION 9

A cloud administrator checked out the deployment scripts used to deploy the sandbox environment to a public cloud provider. The administrator modified the script to add an application load balancer in front of the web-based front-end application. The administrator next used the script to recreate a new sandbox environment successfully, and the application was then using the new load balancer.

The following week, a new update was required to add more front-end servers to the sandbox environment. A second administrator made the necessary changes and checked out the deployment scripts. The second administrator then ran the script, but the application load balancer was missing from the new deployment.

Which of the following is the MOST likely reason for this issue?

- A. The license limit on the number of server deployments allowed per month was exceeded
- B. The deployment script changes made by the first administrator were not checked in and committed
- C. The new server images were incompatible with the application load-balancer configuration



D. The application load balancer exceeded the maximum number of servers it could use

Correct Answer: B

QUESTION 10

An organization is running a database application on a SATA disk, and a customer is experiencing slow performance most of the time. Which of the following should be implemented to improve application performance?

- A. Increase disk capacity
- B. Increase the memory and network bandwidth
- C. Upgrade the application
- D. Upgrade the environment and use SSD drives

Correct Answer: D

QUESTION 11

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: A

QUESTION 12

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



QUESTION 13

A company has deployed a new cloud solution and is required to meet security compliance.

Which of the following will MOST likely be executed in the cloud solution to meet security requirements?

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

Correct Answer: C

QUESTION 14

Users are experiencing slow response times from an intranet website that is hosted on a cloud platform. There is a site-to-site VPN connection to the cloud provider over a link of 100Mbps.

Which of the following solutions will resolve the issue the FASTEST?

- A. Change the connection to point-to-site VPN
- B. Order a direct link to the provider
- C. Enable quality of service
- D. Upgrade the link to 200Mbps

Correct Answer: C

QUESTION 15

A systems administrator is reviewing two CPU models for a cloud deployment. Both CPUs have the same number of cores/threads and run at the same clock speed. Which of the following will BEST identify the CPU with more computational power?

- A. Simultaneous multithreading
- B. Bus speed
- C. L3 cache
- D. Instructions per cycle

Correct Answer: D

Reference: https://en.wikipedia.org/wiki/Central_processing_unit



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