



DES-2T13^{Q&As}

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QUESTION 1

A cloud design contains multiple hosts that are running a hypervisor. Each host has only two physical 10 Gb network adapters that are aggregated for bandwidth and failover. The physical switch ports for each host are configured as access

ports. Each host will support numerous virtual machines and network segments. These virtual machines will communicate with other virtual machines on the same network segments.

Why would overlay networks be required for this design?

- A. Support for more than two virtual switches
- B. Support for more than one virtual segment
- C. Support for more than two virtual machines
- D. Support for more than one distributed virtual switch

Correct Answer: B

An overlay network is a computer network that is built on top of another network. Nodes in the overlay network can be thought of as being connected by virtual or logical links, each of which corresponds to a path, perhaps through many

physical links, in the underlying network. Virtual overlay networks use tunneling protocols to extend isolated network segments between servers for multi-tenant data center networks.

References:

<http://searchsdn.techtarget.com/tip/Virtual-overlay-networks-Tunneling-protocols-enable-multi-tenancy>

QUESTION 2

What would you describe is a key characteristic of cloud platform as a Service (PaaS)?

- A. Direct control over the underlying infrastructure
- B. Cloud hosted integrated development environment
- C. Home-grown programming environment
- D. Cloud hosted, in house built tools

Correct Answer: B

QUESTION 3

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases. Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of



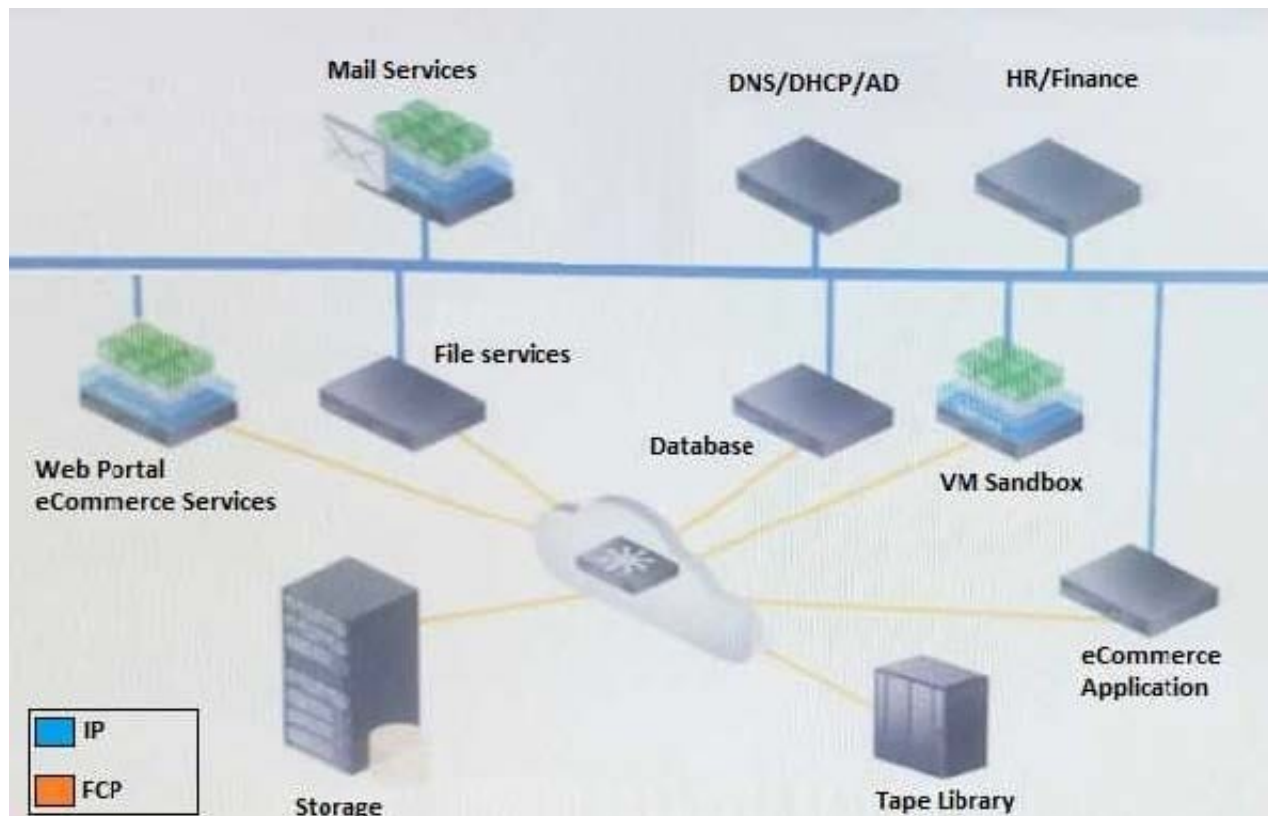
six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

Given that there are two cases with six scored questions each, the total number of case-based scored questions is 12.

When you display each questions you can easily review the related case text in a pop-up window by clicking on the "Case" icon (shown below)

Case 4

Refer to the exhibit.



Your company is currently using a traditional SAN storage network. The server infrastructure is partially virtualized. There is a public cloud in place that is used to test development and application migration to cloud.

Business requirements: Consolidate the network, storage, and compute resources Simplify network management and storage provisioning Maintain application performance Need to share resources to reduce cost and improve efficiency Other considerations: Monitoring of protection SLAs All transactions must be logged for auditing review Users are validated using internal credentials Refer to Case 4.

You are designing a brownfield cloud. You review the requirements and must determine the best, low-cost solution. Which components must you include to meet the business requirements?

- A. AD, AppDev platform, and Service Catalog
- B. CI infrastructure, CMP, and AppDev platform
- C. HCI infrastructure, CMP, and AD
- D. CMP, AppDev platform, and Service Catalog

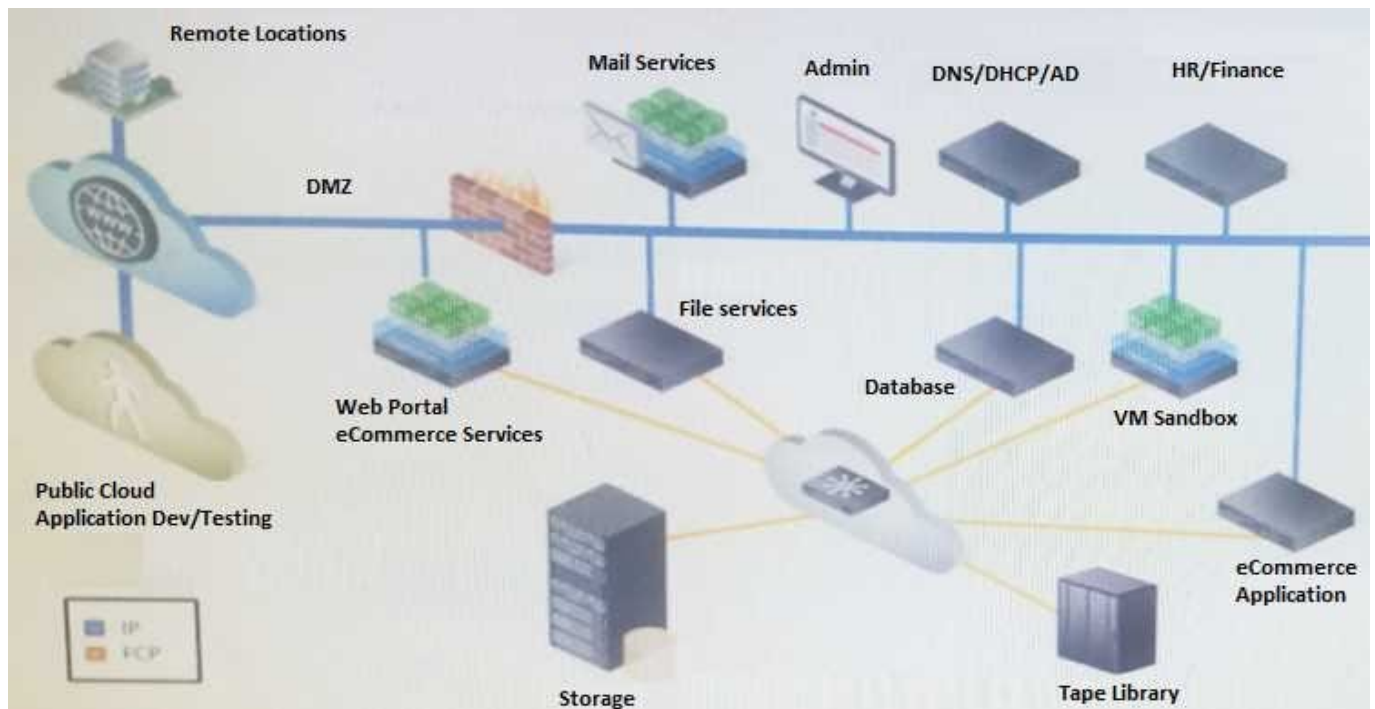


Correct Answer: A

QUESTION 4

Case 1

Refer to the exhibit.



Your company recently negotiated several contracts with new customers to use its proprietary eCommerce system. As a result, the customer base has grown rapidly, which has introduced several challenges and requirements.

Business requirements:

Applications need to scale quickly

Metrics and reporting to anticipate business trends and efficient use of resources External customers are looking to license the eCommerce application Other considerations:

Applications need to be recorded for the public cloud

Address security vulnerabilities for customer data in the cloud Refer to Case 1.

You are designing a Do-It-Yourself private cloud solution. What is the recommended way to provide applications the ability to scale quickly?

- A. Increase the overall resource capacity of the system
- B. Restrict the component choices to within a single vendor
- C. Validate new element compatibility against the SSM



D. Ensure the IT staff understands the configuration options

Correct Answer: A

QUESTION 5

You are designing a cloud backup solution. Consider the following requirements when sizing the backup target: Total amount of data to be backed up = 2 TB (2000 GB) Full backup once a week Retention period for full backups = 2 months Daily incremental backups (assuming an average 10% change in data) Retention period for incremental backups = 1 month No Compression or deduplication Number of backup copies = 1 What is the total capacity, in GB, required for the backup target to accommodate the backups?

A. 13, 200

B. 16, 000

C. 21, 200

D. 26, 400

Correct Answer: C

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