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DES-2T13

Specialist – Cloud Architect, Cloud Infrastructure Exam



Exam D

QUESTION 1 What is a packaged PaaS Solution?

- A. Pivotal Cloud Foundry
- B. Google App Engine
- C. Microsoft Azure
- D. Apache MESOS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2 What are key focus areas of requirements gathering for a cloud design?

- A. Automation and multi-tenancy
- B. Data growth and consolidation
- C. Multi-tenancy and data growth
- D. Consolidation and automation

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3

As a cloud architect you are working with an organization to choose between a DIY or packaged PaaS Solution. What is a selection criterion that applies to DIY?

- A. Has a higher cost of licensing and support
- B. Is a more stable platform
- C. Has built-in governance policies
- D. Supports automated configuration

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

An organization wants to provide its developers the ability to deploy VMs. These VMs have software and libraries installed that are used to develop applications. Each VM will be configured with the same IP address and will be able to download application code from a central server.

What will be included in the design to support these requirements?

- A. VXLANs and an OS firewall
- B. VXLANs and virtual firewall appliances
- C. VLANs and virtual IDS appliances
- D. VSANs and virtual IDS appliances

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 Which cloud services are typically responsible for automatically scaling applications?

- A. Orchestration and monitoring
- B. Service catalog and orchestration
- C. Metering and automation
- D. Monitoring and metering

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

As a cloud architect, you are designing a CI solution to ensure that you isolate specific workloads for security. What should you design for?

- A. High Availability
- B. Fault Tolerance
- C. Multi-tenancy
- D. Redundancy

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

During an assessment for an organization's cloud design, a cloud architect discovers that developers will be creating applications for tenants. The applications will self-scale based on an internal trigger. The architect has included CMP components in the design that will support this requirement.

What else should the cloud architect consider to meet this requirement?

- A. CMP account with elevated privileges exists that can be shared with developers
- B. Mechanisms exist for changing the type of consumer resources automatically
- C. Mechanisms exist for re-installing CMP components for scaling
- D. Sufficient consumer resources exist to support the application elasticity

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A cloud architect is designing a packaged PaaS Solution for an organization. One of the primary concerns of the organization is application portability. What consideration focuses on portability?

- A. A technology must be chosen that enables portable PaaS architectures
- B. Monitoring at the application level must capture and evaluate key metrics

- C. A subscription-by-time cost model must be chosen to manage costs
D. A secure connector must be chosen to ensure secure API access to data

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

DRAG DROP

As part of the planning process, a cloud architect may use tools to gather data from customer systems. Match each tool with its associated description.

Select and Place:

TOOL:	DESCRIPTION:
Statspack	Dell EMC add-on tool that captures storage performance data
Unisphere Analyzer	Tool that captures processor, memory, and storage information for Linux systems
esxtop	Oracle embedded tool that captures resource consumption information
sar	Tool that captures information about processes running on VMkernel

Correct Answer:

TOOL:	DESCRIPTION:
Statspack	Unisphere Analyzer
Unisphere Analyzer	sar
esxtop	Statspack
sar	esxtop

Section: (none)
Explanation

Explanation/Reference:



QUESTION 10 You have the following requirements for a CMP solution:

- Lower acquisition costs of software
- Control over deployment of software release cycles
- Option to have paid support

What type of CMP solution should you recommend?

- A. Proprietary
- B. Software defined
- C. Open-source
- D. Vendor supported open-source

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:

QUESTION 11

As a cloud architect designing a DIY PaaS Solution, you have concluded that using containers to support the target application is the best choice. What consideration supports that decision?

- A. An application will run on multiple platforms with minor modification
- B. The abstraction of the physical hardware limits vulnerability
- C. Multiple operating systems can be supported in a single container
- D. The container supports the required software stack

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

DRAG DROP

A cloud architect is delivering a knowledge transfer on how to script a service in the Service Catalog that restores a VM. What is the correct order of steps that should be demonstrated?

Select and Place:

Signal the Backup Server to restore the VM	STEP 1
Select an existing backup of the VM to restore	STEP 2
Power on the restored VM	STEP 3
Delete the VM using the hypervisor	STEP 4
Shut down the VM using the hypervisor	STEP5

Correct Answer:

Signal the Backup Server to restore the VM	Shut down the VM using the hypervisor
Select an existing backup of the VM to restore	Delete the VM using the hypervisor
Power on the restored VM	Select an existing backup of the VM to restore
Delete the VM using the hypervisor	Signal the Backup Server to restore the VM
Shut down the VM using the hypervisor	Power on the restored VM

Section: (none)

Explanation

Explanation/Reference:



QUESTION 13 You are designing the CMP structure. Where should you define the pods?

- A. Fault domain
- B. Private cloud VM
- C. Availability zone
- D. Public cloud VM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

An organization wants to deploy a CMP solution in a private cloud. What requirements influence the sizing of the underlying cloud management infrastructure?

- A. Size of the service portal and catalog
- B. CMP version and functions it provides
- C. Type of services and cost of each service
- D. High availability and performance

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

You are creating a cloud infrastructure design for an organization. You learn that, for compliance reasons, the organization needs to maintain a separate set of infrastructures for certain deployed services. Which part of the design will be impacted by this requirement?

- A. Number of compute pools
- B. Number of service catalogs
- C. Over-commitment ratio
- D. Service catalog sizing

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

You are analyzing the performance data to avoid oversizing of a CI solution. What date and time frame should you use?

- A. Average production time over multiple days
- B. Peak production times over multiple days
- C. Average production time over a single day
- D. Peak production times over a single day

Correct Answer: D

Section: (none)

Explanation



Explanation/Reference:

QUESTION 17 Which type of storage is typically designed to span multiple sets of hardware and has a flat repository?

- A. Object
- B. File
- C. Ephemeral
- D. Block

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

You are designing a cloud to support an Oracle OLTP environment. What is the recommended read/write ratio to use in this environment?

- A. 2 to 1
- B. 3 to 1
- C. 4 to 1
- D. 5 to 1

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19 A cloud architect is tasked with designing a backup using the Remote with Cloud Gateway Deployment Model. What is a design consideration?

- A. Replication settings should be driven by organizational requirements around RPO
- B. Backup servers are required to communicate with cloud storage interfaces
- C. Larger initial backup sets may take long times to complete delivery
- D. Gateways must contain backup software to offload backup server tasks

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

In a cloud design, an architect has defined a separate trust zone for host management. The hosts will be running open source hypervisors. What should be included in the design deliverables to support this separate trust zone?

- A. Federated authentication source and preferred QoS network settings
- B. Isolated management network and a federated super-user account
- C. Separate PKI and encrypted CMP portal access
- D. Separate PKI and a separate authentication source



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

DRAG DROP

You are tasked with designing a new cloud infrastructure. Match each compute related requirement with its proper category.

Select and Place:

REQUIREMENT:	CATEGORY:
Tenant and application separation must be maintained	CAPACITY
Sufficient CPU and memory to run the planned services	AVAILABILITY
Support current and future capacity	SECURITY
Quality of components to deliver operational performance for a specified time	SCALABILITY

Correct Answer:

REQUIREMENT:	CATEGORY:
Tenant and application separation must be maintained	Sufficient CPU and memory to run the planned services
Sufficient CPU and memory to run the planned services	Quality of components to deliver operational performance for a specified time
Support current and future capacity	Tenant and application separation must be maintained
Quality of components to deliver operational performance for a specified time	Support current and future capacity

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

DRAG DROP

Match each platform requirement to its respective definition.

Select and Place:

CHARACTERISTIC:	REQUIREMENT:
Simplifies application development	Consolidated Technology Stack
Supports multiple programming languages and frameworks	Scalability
Focuses on rapid product delivery and QA	Microservice Support
Ensures optimal end-user service and utilization	Agile development and DevOps

Correct Answer:

CHARACTERISTIC:	REQUIREMENT:
Simplifies application development	Supports multiple programming languages and frameworks
Supports multiple programming languages and frameworks	Focuses on rapid product delivery and QA
Focuses on rapid product delivery and QA	Ensures optimal end-user service and utilization
Ensures optimal end-user service and utilization	Simplifies application development

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

You plan to gather application performance data from an existing UNIX environment. What should you use?

- A. esxtop
- B. NaviAnalyzer

- C. iostat
- D. perfmon

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24 What is the benefit of Hot Spare disks?

- A. Enable efficient use of SSDs and NL SAS drive technologies
- B. Provide space-optimal data redundancy against multiple drive failures
- C. Handle any disk failure by distributing data over multiple drives
- D. Replace failed drives by taking the identity of the failed drive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://books.google.com.pk/books?id=PU7gkW9ArxIC&pg=PA68&lpg=PA68&dq=hot+spare+disks+Replace+failed+drives+by+taking+the+identity+of+the+failed+drive&source=bl&ots=hAyNmXQAAH&sig=ACfU3U3Ex5Pwwiy5ldOiXMfoRsfR5uGkPw&hl=en&sa=X&ved=2ahUKEwjF-qT4ssjgAhXQdJoKHfVXD5EQ6AEwAXoECAkQAQ#v=onepage&q=hot%20spare%20disks%20Replace%20failed%20drives%20by%20taking%20the%20identity%20of%20the%20failed%20drive&f=false>

QUESTION 25

An organization is considering the use of a cloud gateway to back up services in their private cloud environment. They want to use their existing backup application.

What should they ensure about the cloud gateway appliance?

- A. Supported by the backup applicationSupports the target object storage APIs
- B. Supported by the hypervisor
Supports the target object storage APIs
- C. Supported by the backup applicationSupports the target SMB storage APIs
- D. Supported by the hypervisor
Supports the target SMB storage APIs

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

DRAG DROP

Match each cloud deployment model with what it is provisioned for:

Select and Place:

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

A cloud architect is designing a hybrid cloud for an organization. A requirement for this environment is that the private cloud user credential be trusted by both cloud provisioning APIs. Which type of authentication will meet this requirement?

- A. Multi-factor
- B. Federated
- C. Private-key
- D. Shared-key

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28 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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

You are designing the VLANs for a CI cloud. You want to separate the LAN traffic to prevent oversubscription. What are the traffic categories you should use?

- A. Storage, Management, and Connectivity
- B. Operations, Management, and Production
- C. Test, Management, and Production
- D. Operations, Production, and Test

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 A cloud design includes a software-defined network controller. Which requirement(s) will this address?

- A. Elastically expand applications programmatically into the public cloud

- B. Deploy applications that can programmatically modify zones and deploy LUNs in a SAN
- C. Programmatically abstract network data for optimal performance in a low bandwidth infrastructure
- D. Deploy applications that can programmatically alter network behavior.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A company plans to invest \$315,000 to cover hardware, software, and deployment expenses. They expect to save \$35,000 per month. They are using a decommissioning cost of \$35,000 for the old equipment. After how many months will the company reach the break-even point?

- A. 7
- B. 8
- C. 9
- D. 10

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 A company has the following requirements:

- Modular building blocks
 - Scalability
 - In-house management solution ▪
- No physical SAN

What type of infrastructure would meet these requirements?

- A. Cloud-in-a-Box
- B. Converged
- C. Traditional
- D. Hyper-Converged

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference <https://www.belden.com/blog/data-centers/data-center-scalability-why-it-matters-in-your-infrastructure>

QUESTION 33

Which type of storage is used to store data using a flat address space based on content?

- A. Block
- B. Object
- C. Cloud
- D. File

Correct Answer: B



Section:	
(none)	
Explanation:	
A.....	2
B.....	8
C.....	8
D.....	8
Correct Answer:	
wer:	8

Explanation/Reference:

Reference <https://whatis.techtarget.com/definition/object-storage-device-OSD>

QUESTION 34 What is the minimum number of nodes supported for a HCI deployment with RAID 5 erasure coding?

Section: (none)
Explanation

Explanation/Reference:

Reference https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=2ahUKEwjv_fLztsigAhW-wcQBHeiqAasQFjABegQIBxAF&url=https%3A%2F%2Fstoragehub.vmware.com%2Fexport_to_pdf%2Fvmware-vsan-6-7technical-overview&usg=AOvVaw1T1GyqMBWIOaOX4Z1xU0sr

QUESTION 35 What is the key factor used in Business Value Analysis?

- A. CAGR
- B. TCO
- C. CAPEX
- D. NPV

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36 A company has the following requirements:

- Infrastructure with a designated SAN
 - Run applications on pre-integrated hardware components
- Workloads are Platform 2.0 applications

Which solution would meet these requirements?

- A. Traditional Infrastructure
- B. Cloud-in-a-Box Infrastructure
- C. Converged Infrastructure

D. Hyper-Converged Infrastructure

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37 An organization wants to deploy cloud applications using block storage. The architect has included a HCI solution in the cloud design. Which requirements must have led to including this solution in the design?

- A. Acquire additional storage array
Combine storage and application processing using a spine/leaf topology
- B. No additional storage arrays to be acquired
Separate storage processing from application processing
- C. No additional storage arrays to be acquired
Combine storage and application processing on each node
- D. Acquire additional storage array
Combine storage and application processing using a full mesh topology

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38 Which design consideration applies to object storage?

- A. Multi-tenancy is supported through file and directory permissions
- B. It is best suited for high performance and low latency applications
- C. A RAID controller on the host computer handles redundancy
- D. A common authentication mechanism is accessible by all tenants

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

An organization wants to deploy a CMP solution for their private cloud environment. What is required for the CMP to work effectively?

- A. Programmable infrastructure
- B. Virtual firewall
- C. Commodity hardware
- D. Virtual router

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 40

An organization uses Microsoft Active Directory (AD) for service authentication in their private cloud. They want to use the same authentication source for services in the public cloud. External employees access services in both clouds and need to authenticate with AD.

The organization wants to minimize and secure network traffic. Which solution will address these requirements?

- A. External users connect with IPsec VPNPlace AD controllers in the private cloud only
- B. Configure perimeter firewalls to allow AD trafficPlace AD controllers in the private and public clouds
- C. Connect the two clouds through IPsec VPNPlace AD controllers in the private cloud only
- D. Connect the two clouds through IPsec VPNPlace AD controllers in the private and public clouds

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

You are a cloud architect responsible for designing a multiple availability zone configuration for the organization's geographically dispersed clouds. You must provide the ability for services to survive a failure at the data center or site level. The primary requirement is to provide for automated site recovery.

What is a key consideration for automating the setup, failover, and recovery of services at the remote site?

- A. When implementing automated site recovery, you must have automated orchestration of site failback processes
- B. The number of storage volumes in the DR site must be identical in number and size to the primary site.
- C. The recovery site must have sufficient available capacity to host workloads after a disaster at the primary site.
- D. The DR site must contain the same vendor hardware as the primary site.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

When designing for large addressing space in HCI nodes, what operations(s) negatively impacts cost of performance?

- A. First write
- B. Page-in and page-out
- C. Random write
- D. Sequential read

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&ved=2ahUKEwjnsL7usjgAhXCzaYKHe_BDhcQFjACegQIBxAC&url=https%3A%2F%2Fwww.thomas-krenn.com%2Fredx%2Ftools%2Fmb_download.php%2Fmid.y4ba55532958082c0%2FVMware_vSAN_6.6_Technical_Overview.pdf&usg=AOvVaw1DQeZxhTNRQuKi0OvDSols

QUESTION 43

A cloud architect is evaluating an organization's need for encryption. Which type of encryption eliminates the requirement for key management?

- A. File system-based

- B. Virtual disk
- C. Embedded
- D. File-based

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44 What is a deliverable of the cloud design process?

- A. Training for IT staff
- B. Operational procedures
- C. Lower infrastructure costs
- D. Reduced time to market

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45 In which cloud design lifecycle phase is business value analysis performed?

- A. Understand requirements
- B. Plan and design
- C. Implementation
- D. Validation

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

DRAG DROP

Match each tool with its associated description.

Select and Place:



TOOL:	DESCRIPTION:
top	Dell EMC tool that captures storage system data plus enabled software
SP Collect	Tool that captures processor, memory, and storage information for Windows systems
AWR	Linux tool that captures real-time system and performance data
Performance Monitor	Embedded tool that captures Oracle resource consumption

Correct Answer:

TOOL:	DESCRIPTION:
top	SP Collect
SP Collect	Performance Monitor
AWR	top
Performance Monitor	AWR

Section: (none)
Explanation

Explanation/Reference:

QUESTION 47 What determines the maximum number of blade or rack servers that can be installed in a CI system?

- A. Unified management storage array configuration
- B. Open-sources management switch configuration
- C. Unified management switch configuration
- D. Open-sourced management storage array configuration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

An organization wants to deploy SaaS applications in their cloud. The SaaS applications will be using application HA to maintain up-time levels of 99,9%.

What should the cloud architect include in the design to support this up-time requirement?

- A. Sufficient host capacity
- B. HA licenses for hypervisors
- C. Quorum disks
- D. Replication licenses for hypervisors

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 49

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

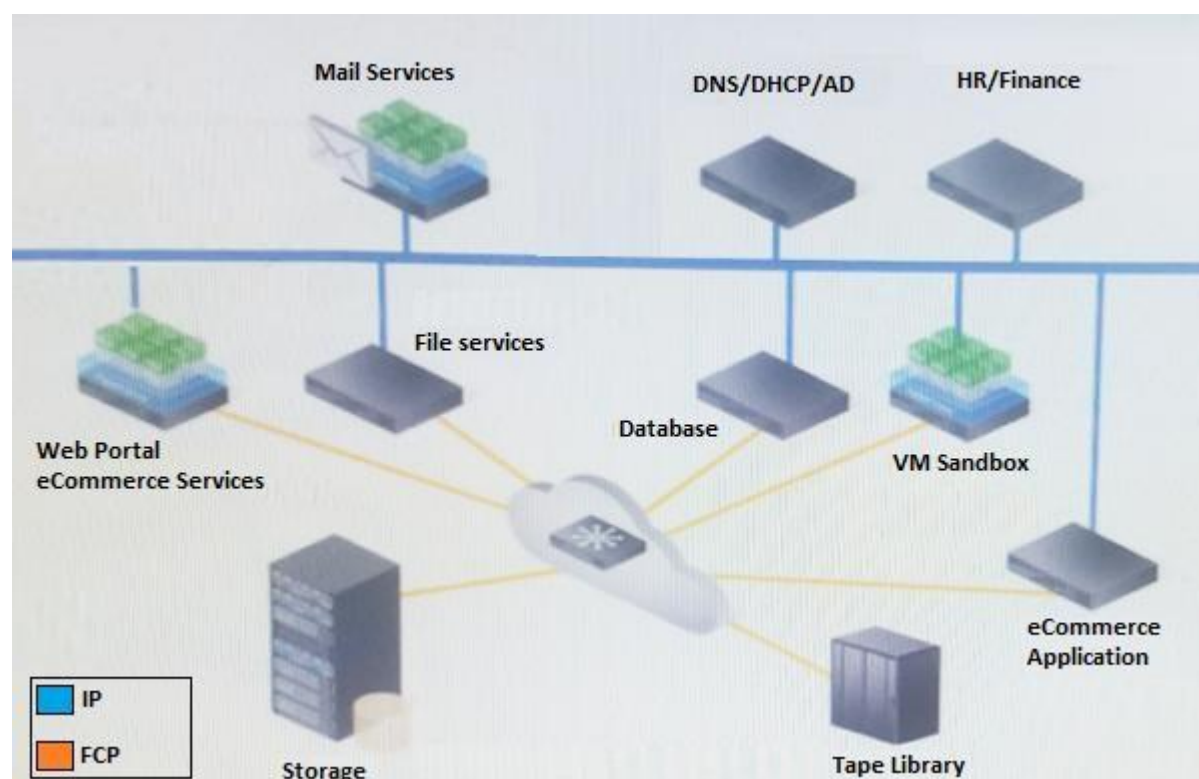
Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

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 private cloud to use VLANs to support compute-to-compute connectivity. The IT team has added a requirement to simplify the configuration management within the infrastructure. What is a limitation related to VLANs for this requirement?

- A. VLANs require separate infrastructure and management traffic trunks
- B. VLANs can only support up to 4094 virtual networks
- C. Adding a new VLAN requires configuration changes throughout the stack
- D. Converged infrastructure limits which NICs can separate network traffic types

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

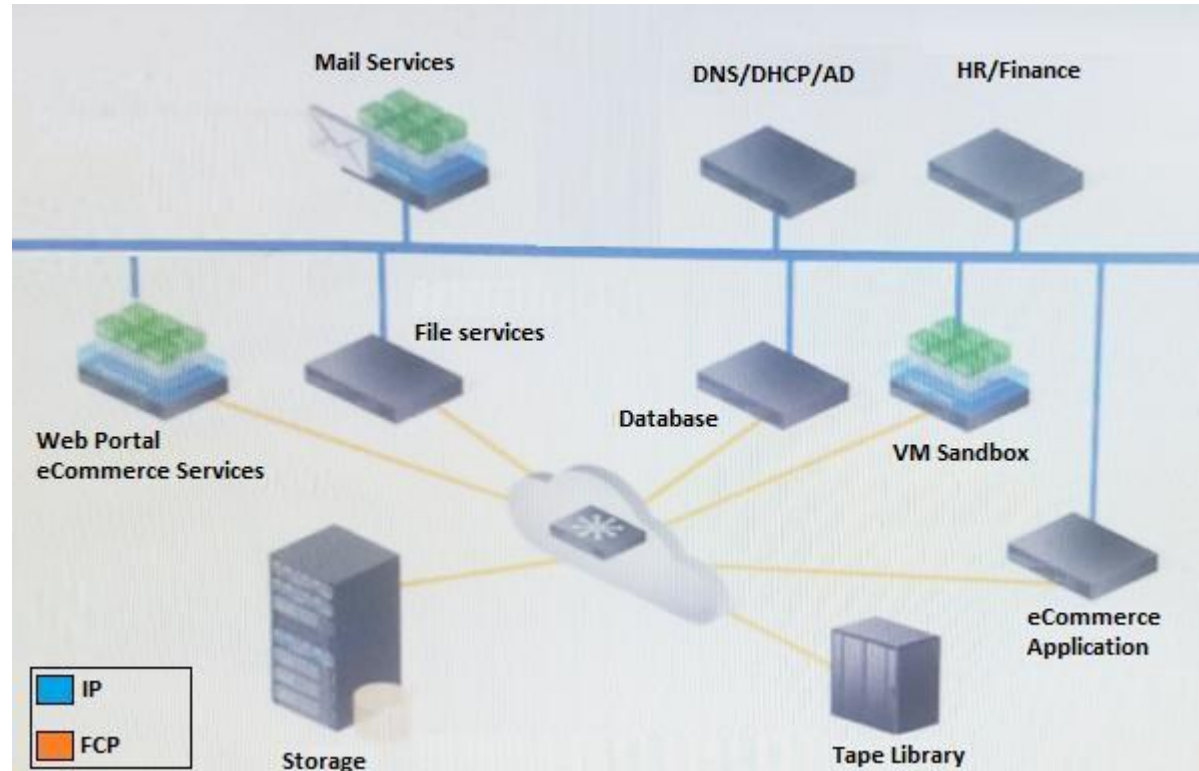
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4

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 the network components for a Do-It-Yourself private cloud solution. You want to restrict domain events and minimize traffic disruptions between nodes. Which compute to storage connectivity solution provides this function?

- A. VSAN
- B. FC SAN
- C. VLAN
- D. VXLAN

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

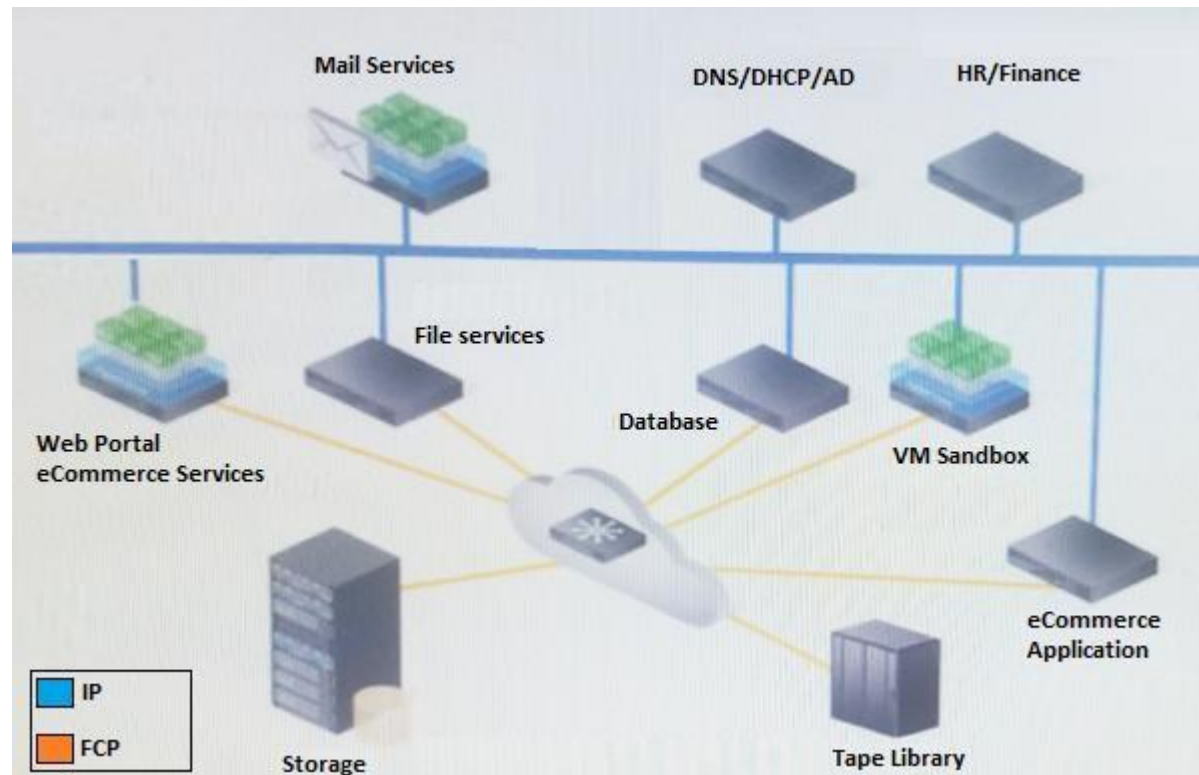
Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

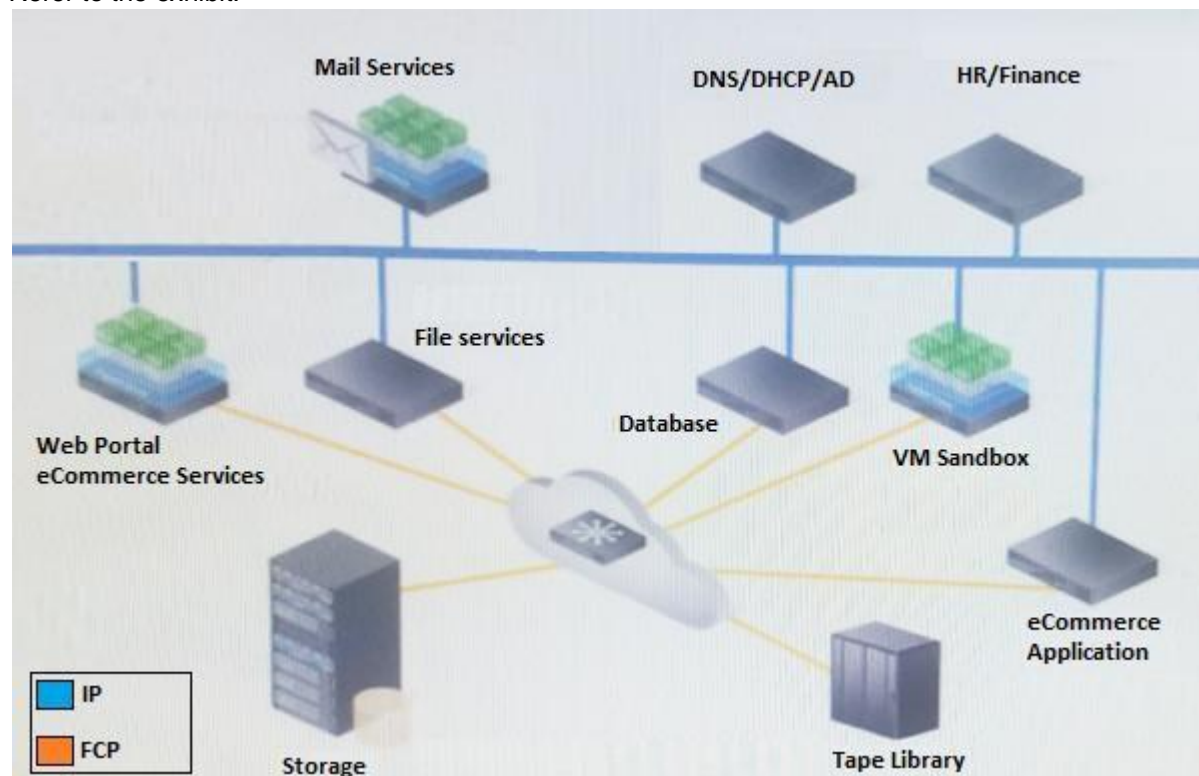
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Given that there are two cases with six scored questions each, the total number of case-based scored questions is 12.

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 sizing the compute capacity nodes in a hyper-converged infrastructure solution. Each node has 35 TB of storage capacity. You have calculated the total cloud storage requirement to be 700 TB.

What is the minimum number of nodes required?

- A. 10
- B. 14
- C. 15
- D. 20

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

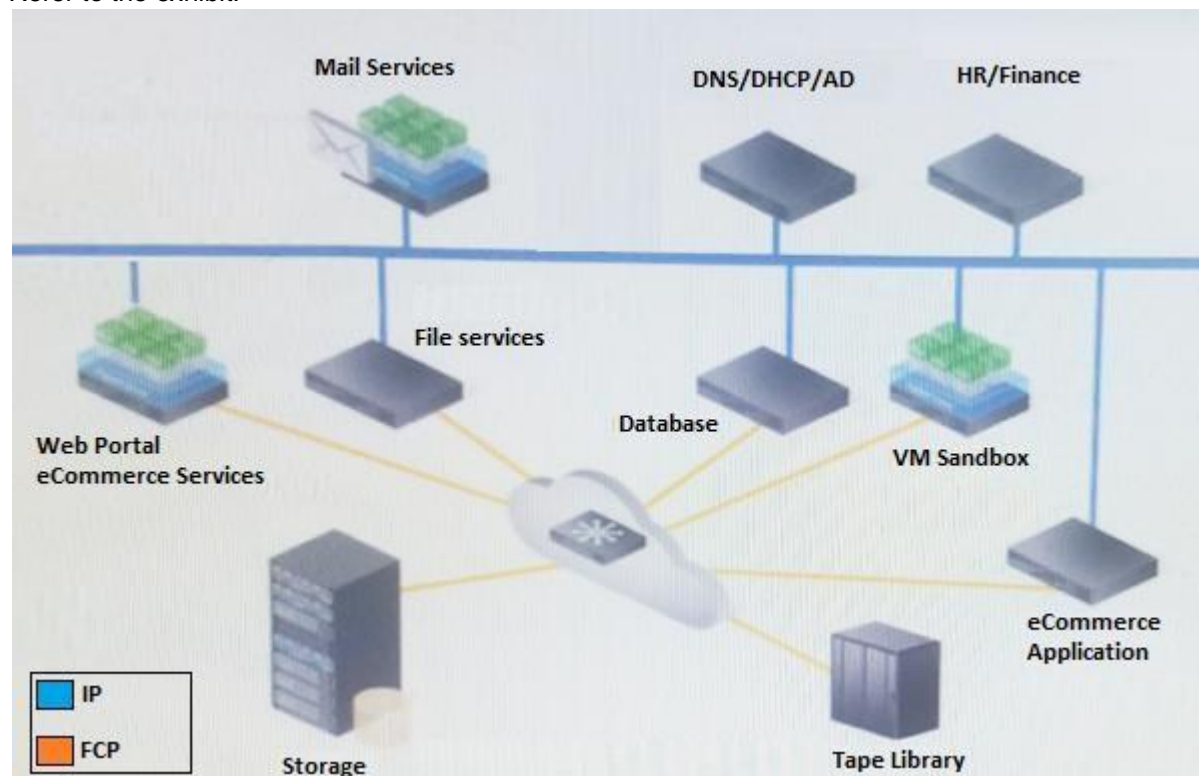
Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

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 transformation from Platform 2.0 to cloud. You review the existing infrastructure and business requirements. You must detect events that can exploit vulnerabilities in the cloud. Which technology should you select?

- A. ISO
- B. PCI DSS
- C. Firewall
- D. IDPS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

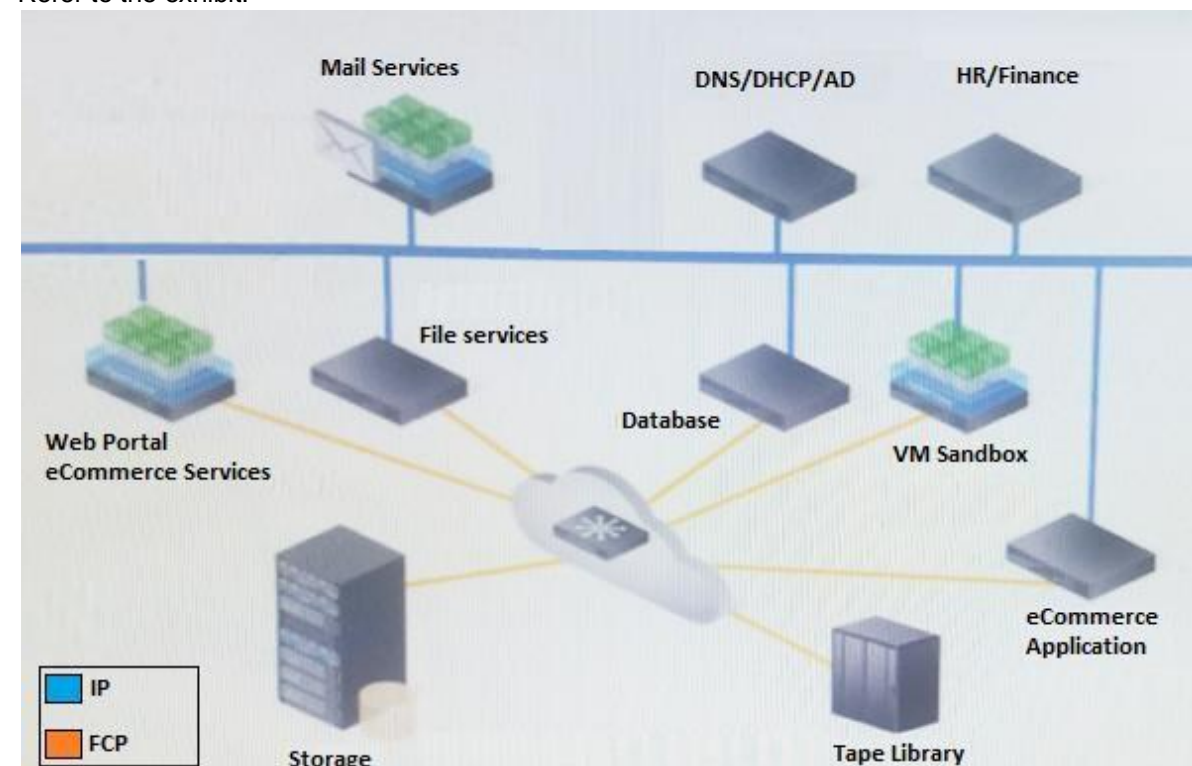
Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

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 must design the solution to enable external access to the eCommerce application using a Public cloud. The development team wants to ensure that the application has a known performance profile. Which consideration offers best practices to address this concern?

- A. Automation Management
- B. Multicloud Compliance
- C. Interoperability
- D. Physical Server Consistency

Correct Answer: A

Section: (none)

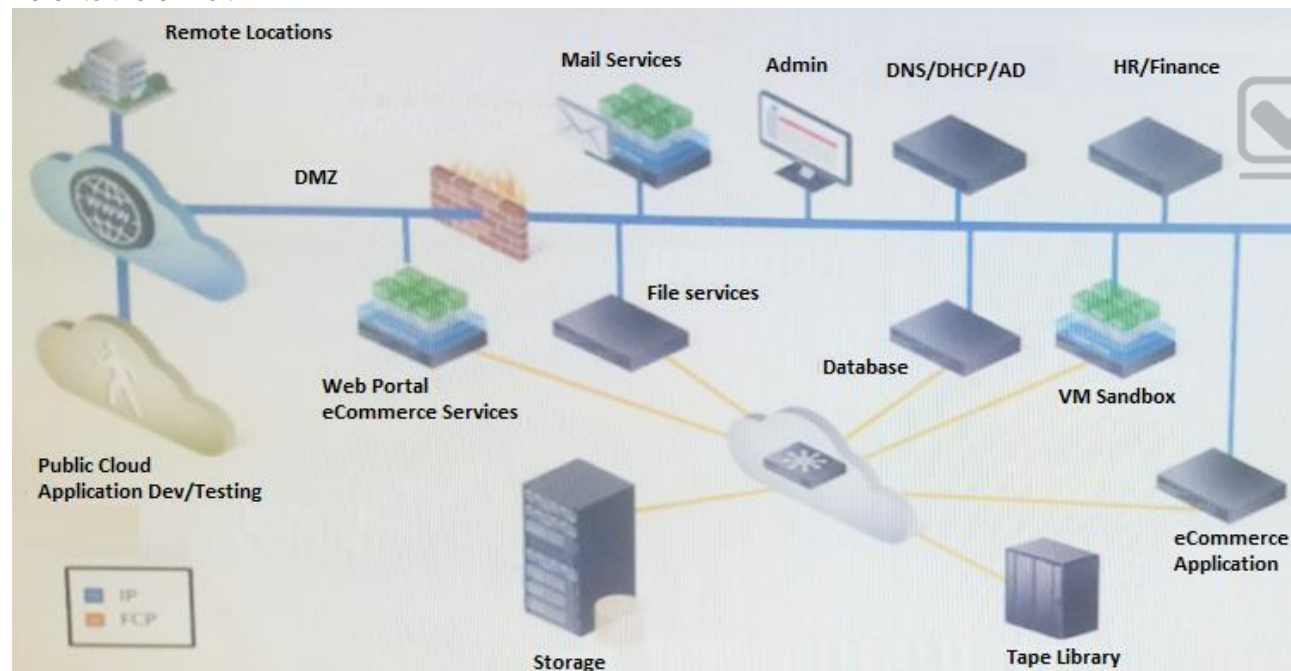
Explanation

Explanation/Reference:

QUESTION 55

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 must design the compute scalability functions for your administrator in a Do-It-Yourself private cloud. You want to use manual processes to move services between hosts to avoid outages. Which method provides this function?

- A. Add more virtual machines to the existing pool
- B. Define a compute pool as known unit of consumption
- C. Add resources to the existing servers in the compute pool
- D. Define storage limits in a consumption pool

Correct Answer: D

Section: (none)

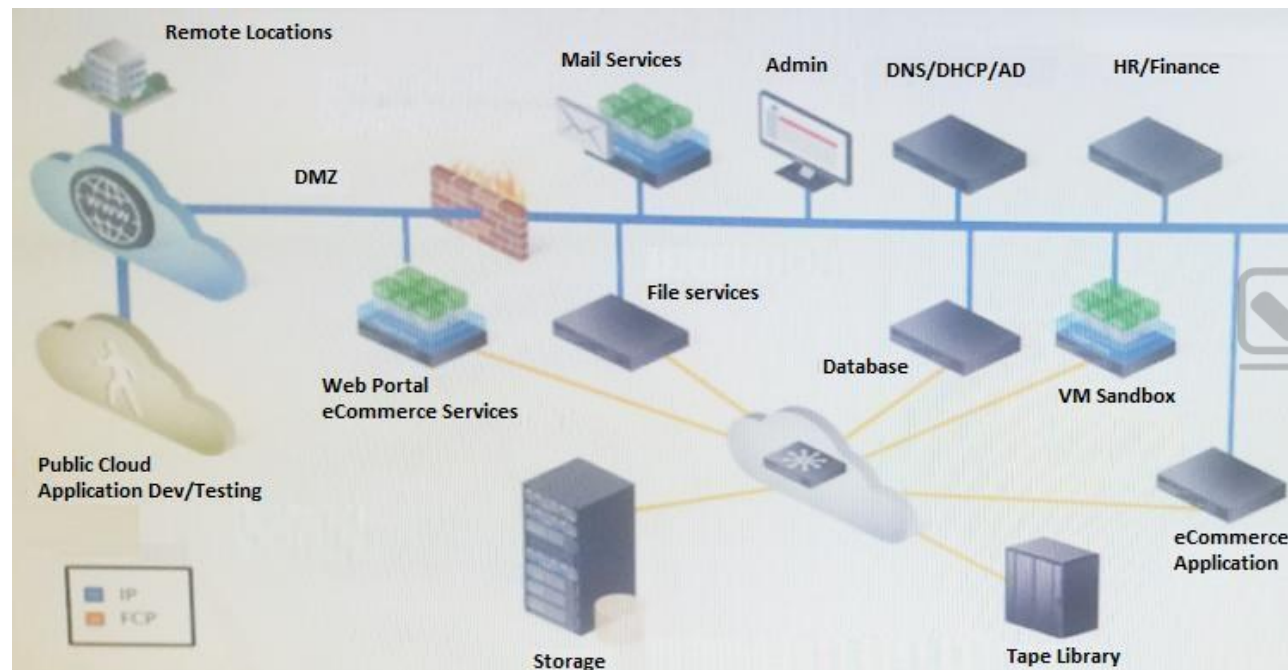
Explanation

Explanation/Reference:

QUESTION 56

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 the application development platform for the cloud and are considering using a PaaS Solution. You must ensure that monitoring is included in the platform. Which key metrics need to be available from the PaaS Solution that you select?

- A. Queue length and storage utilization
- B. Storage utilization and account login

- C. Account login and response time
- D. Response time and queue length

Correct Answer: D

Section: (none)

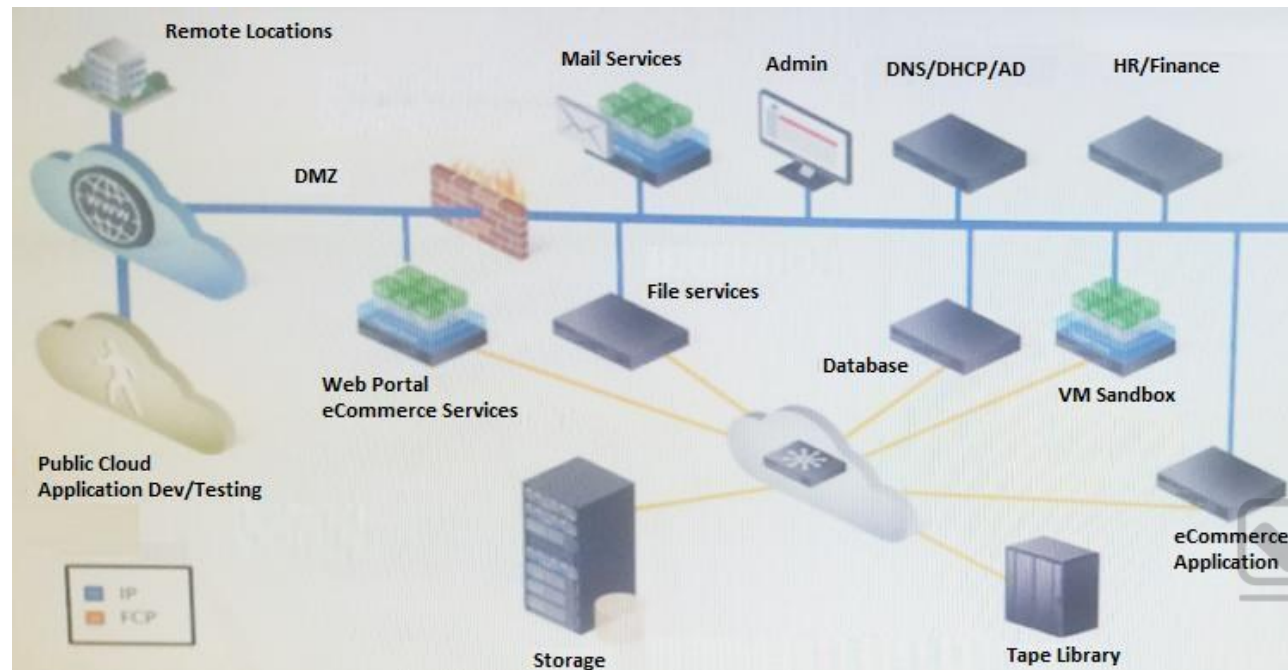
Explanation

Explanation/Reference:

QUESTION 57

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 transformation from Platform 2.0 to cloud. You review the existing infrastructure and business requirements. You must define the method to connect the on-premises network directly to the public cloud provider.

Which technology should you select?

- A. KMS
- B. IDPS
- C. MPLS
- D. IPSec VPN

Correct Answer: C

Section: (none)

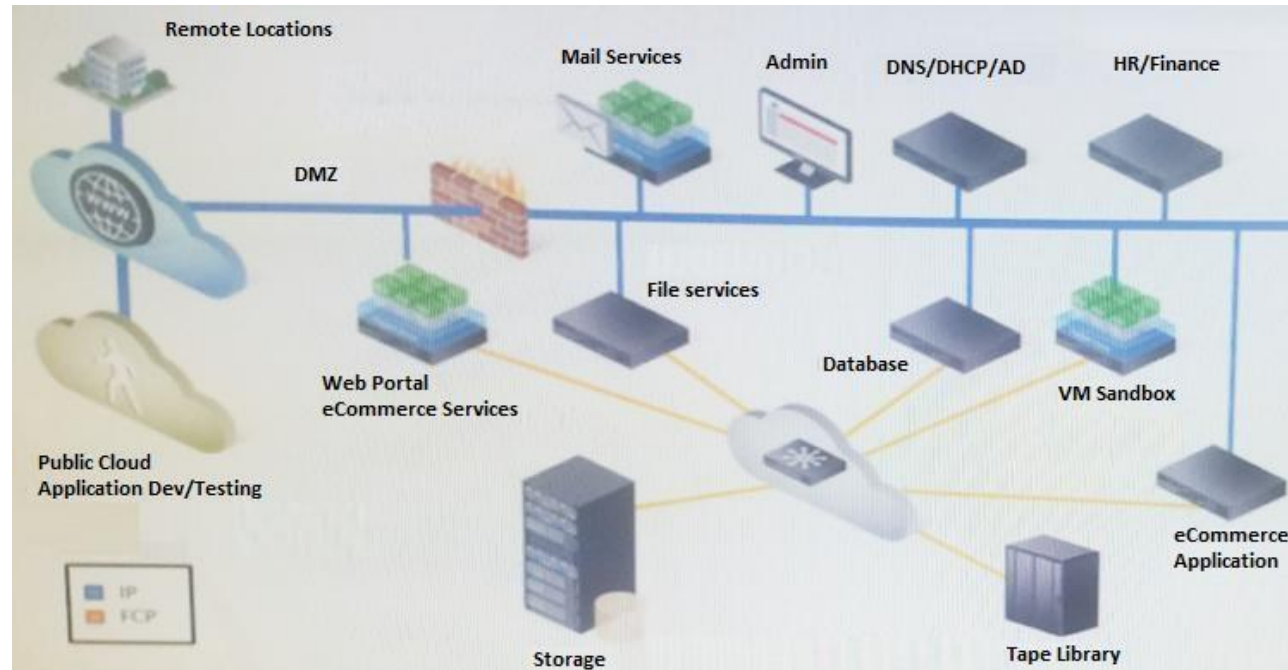
Explanation

Explanation/Reference:

QUESTION 58

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 tasked with designing a cloud. You review the existing infrastructure and business requirements. You select a CI solution to replace the existing Platform 2.0 infrastructure. Before presenting this solution to the company, you must calculate the 3-year TCO using the following criteria:

- Hardware maintenance = \$ 35,000
- Software maintenance = \$ 20,000
- Storage = \$ 2,000 (2TB @ \$ 1/GB)

What is the correct TCO value?

- A. \$ 57,000
- B. \$ 61,000
- C. \$ 171,000
- D. \$ 183,000

Correct Answer: C

Section: (none)

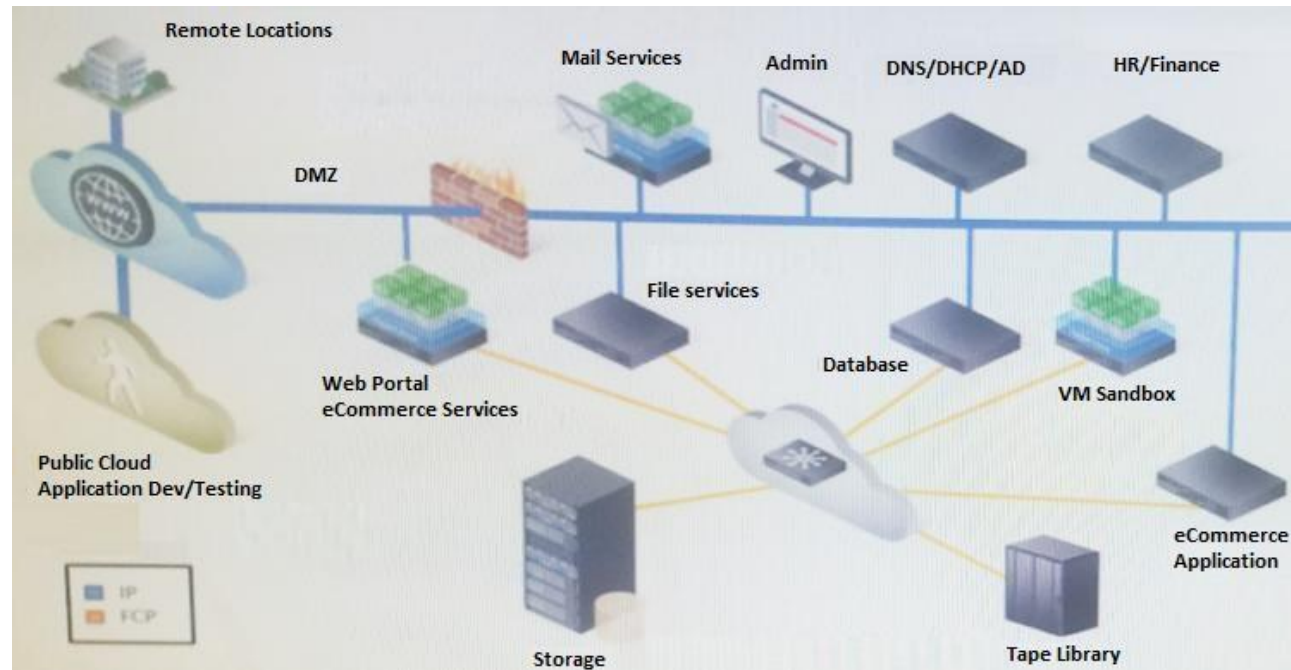
Explanation

Explanation/Reference:

QUESTION 59

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

Section: (none)

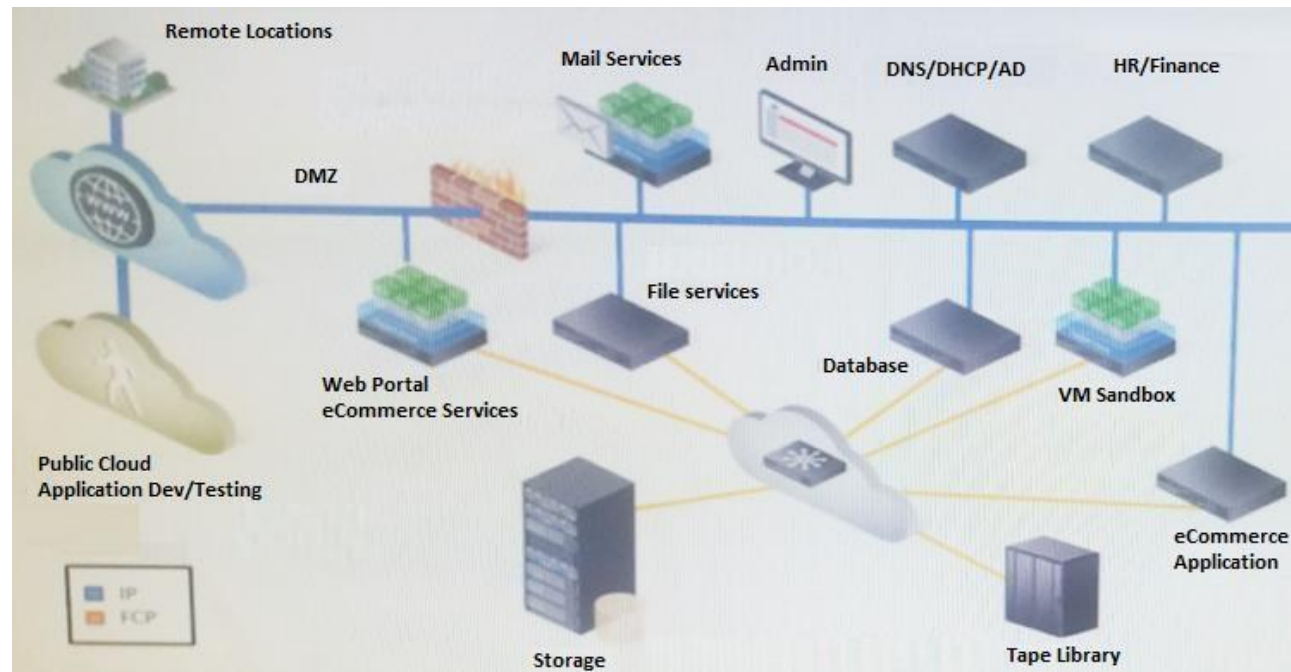
Explanation

Explanation/Reference:

QUESTION 60

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 sizing the compute capacity of blade servers in a converged infrastructure solution with the following specifications: ▪ Number of cores: 16

- Processor speed: 3.5 GHz
- Utilization percentage: 75%

What is the total GHz processing capability of one blade server?

- A. 18,6
- B. 20,2
- C. 42,0
- D. 56,7

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference: