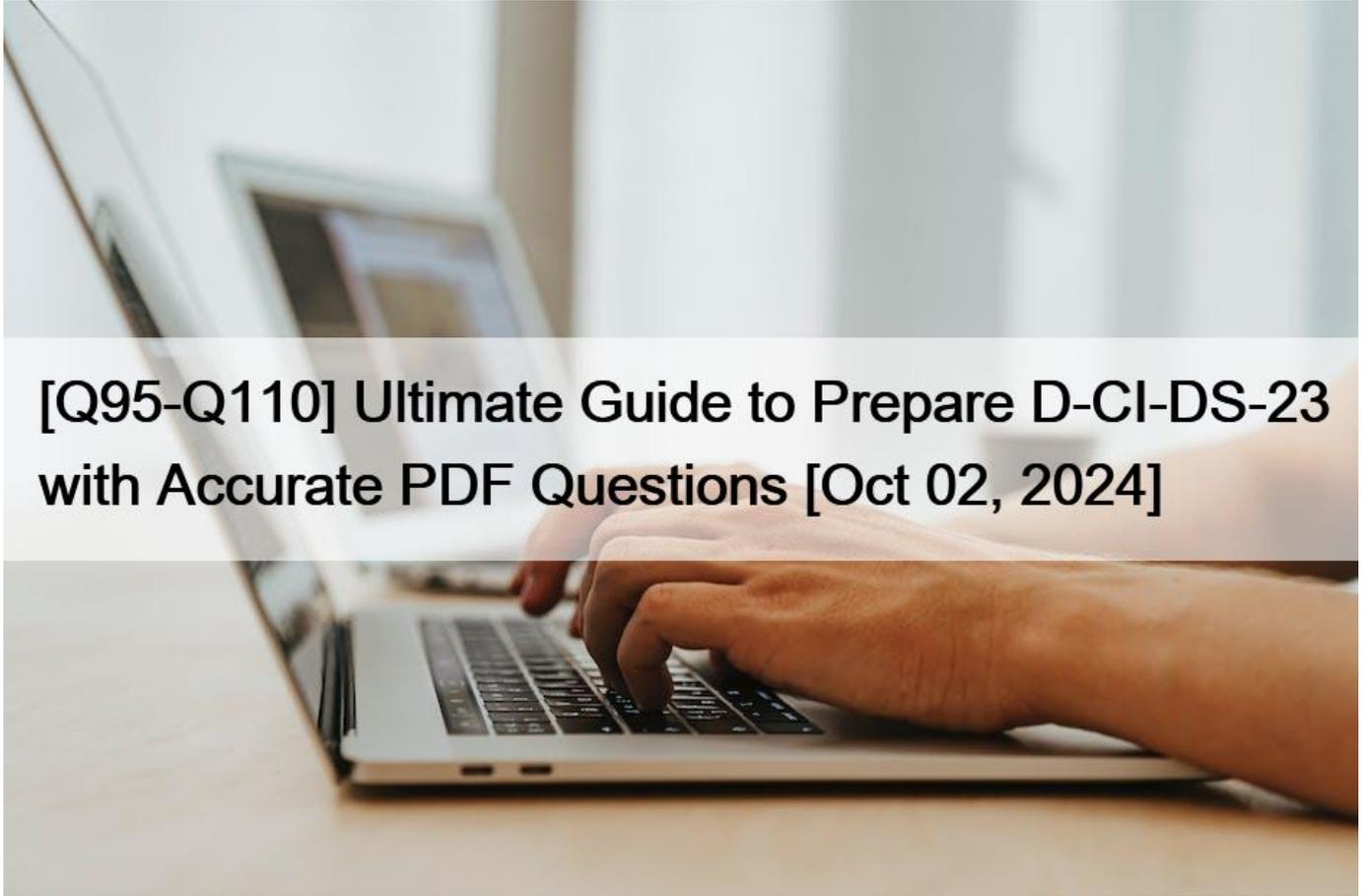


## [Q95-Q110 Ultimate Guide to Prepare D-CI-DS-23 with Accurate PDF Questions [Oct 02, 2024]



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### NEW QUESTION 95

An organization wants to deploy cloud applications using block storage. The architect has included a hyperscale storage solution in the cloud design.

Which requirements led to including this solution in the design?

\* Organization wants to purchase a storage array.

Organization will use a full mesh topology to combine storage and application processing.

\* Organization wants to purchase a storage array.

Organization will use a spine/leaf topology to combine storage and application processing.

\* Organization wants to purchase a storage array.

Organization wants to keep storage processing separate from the application processing.

- \* Organization does not want to purchase a storage array.

Organization wants to use a full mesh topology to combine storage and application processing.

### NEW QUESTION 96

You are creating a cloud infrastructure design for an organization. The cloud design includes physical servers with hypervisors which will be used to host consumer services. The hosts are managed through a hypervisor element manager.

Which step should be taken to secure the hypervisor environment?

- \* Place the element manager administrative interfaces on a consumer-facing network and hypervisor administrative interfaces on an isolated network
- \* Place the element manager administrative interfaces on a consumer-facing network and hypervisor administrative interfaces on a secure network
- \* Place the element manager and hypervisor administrative interfaces on a secure network
- \* Place the element manager and hypervisor administrative interfaces on a consumer-facing network

### NEW QUESTION 97

Which are challenges associated with designing a multi-cloud network architecture?

(Select all that apply)

- \* Simplified management
- \* Ensuring data security and compliance
- \* Minimizing latency for global reach
- \* Vendor lock-in avoidance

### NEW QUESTION 98

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?

- \* Cloud-in-a-Box
- \* Converged
- \* Traditional
- \* Hyper-Converged

### NEW QUESTION 99

Which of the following is a primary function of a Cloud Management Platform (CMP)?

- \* Handling data analytics only

- \* Managing network hardware exclusively
- \* Providing orchestration and automation
- \* Focusing solely on security measures

### NEW QUESTION 100

Which of the following components are typically integrated in a converged infrastructure solution?

(Select all that apply)

- \* Compute
- \* Storage
- \* Networking
- \* Software development tools

### NEW QUESTION 101

A cloud architect is expected to present a final cloud infrastructure design to an organization. Before the deliverables are submitted, the architect will meet with the organization's executives to present the design.

Which type of design should the architect present?

- \* Abstract
- \* Theoretical
- \* Logical
- \* Physical

### NEW QUESTION 102

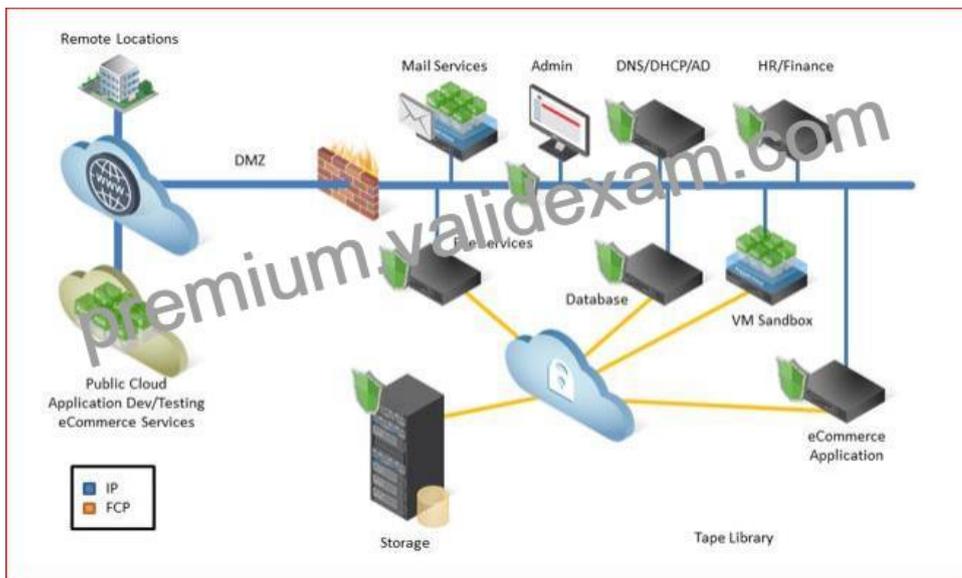
An organization wants to deploy SaaS applications in their cloud. The SaaS applications will be using application HA to maintain up-time levels of 99.9%.

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

- \* Sufficient host capacity
- \* Quorum disks
- \* Replication licenses for hypervisors
- \* HA licenses for hypervisors

### NEW QUESTION 103

Refer to the exhibit.



Your company recently negotiated several contracts with new customers to use its proprietary eCommerce system. As a result, the scalability of the eCommerce system data is a concern for the Marketing and Sales departments.

Business requirements:

&#8211; Application resources must be able to scale up and down quickly

&#8211; External customers have protected access to the eCommerce application

&#8211; Metrics and reporting to track the use of resources and data

Other considerations:

&#8211; Applications are provided through the public cloud

&#8211; Address security vulnerabilities for customer data in the cloud

Refer to Case 3. You are defining 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?

- \* Response time and CPU utilization
- \* CPU utilization and storage utilization
- \* Storage utilization and account login
- \* Account login and response time

#### NEW QUESTION 104

You are tasked with designing a new cloud infrastructure. Match each hybrid and multicloud oriented requirement with its proper category.

&#8211; Requirement:

1. Controls access to cloud provider and services
2. Cloud management tools should work with public cloud providers
3. Relies on bandwidth and latency and is included in SLAs
4. Reliability of cloud infrastructure, business applications, and data

&#8211; Category:

A) Integration

B) Availability

C) Security

D) Performance

- \* 1-D, 2-A, 3-C, 4-B
- \* 1-C, 2-A, 3-D, 4-B
- \* 1-B, 2-A, 3-D, 4-C
- \* 1-C, 2-B, 3-A, 4-D

### NEW QUESTION 105

What does CI stand for in the context of cloud infrastructure?

- \* Central Integration
- \* Converged Infrastructure
- \* Cloud Integration
- \* Continuous Improvement

### NEW QUESTION 106

A cloud architect has determined that the cloud management infrastructure requires an authentication and PKI environment. In addition, each tenant will require its own authentication and PKI environment.

What describes these separate environments in a cloud design document?

- \* Availability zones
- \* Fault domains
- \* Multi-tenancy
- \* Trust zones

### NEW QUESTION 107

Which cloud service model provides a fully managed environment for deploying and scaling applications without needing to manage the underlying infrastructure?

- \* Infrastructure as a Service (IaaS)
- \* Platform as a Service (PaaS)
- \* Software as a Service (SaaS)

- \* Function as a Service (FaaS)

### NEW QUESTION 108

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

- \* Fault domain
- \* Private cloud VM
- \* Availability zone
- \* Public cloud VM

### NEW QUESTION 109

You have the following requirements for a CMP solution:

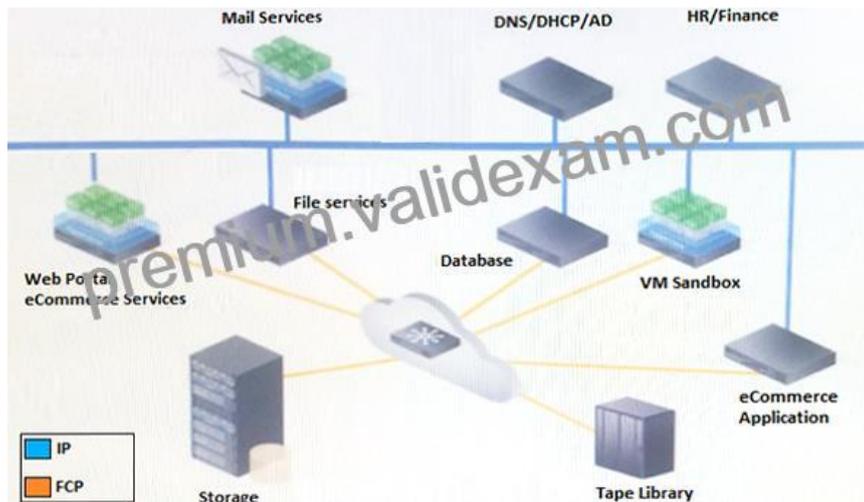
- &#8211; Lower acquisition costs of software
- &#8211; Control over deployment of software release cycles
- &#8211; Option to have paid support

What type of CMP solution should you recommend?

- \* Proprietary
- \* Software defined
- \* Open-source
- \* Vendor supported open-source

### NEW QUESTION 110

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:

&#8211; Consolidate the network, storage, and compute resources

&#8211; Simplify network management and storage provisioning

&#8211; Maintain application performance

&#8211; Need to share resources to reduce cost and improve efficiency

Other considerations:

&#8211; Monitoring of protection SLAs

&#8211; All transactions must be logged for auditing review

&#8211; 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?

- \* VSAN
- \* FC SAN
- \* VLAN
- \* VXLAN

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