



# E20-018<sup>Q&As</sup>

Virtualized Data Center and Cloud Infrastructure Design Specialist

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**QUESTION 1**

A company has finished the design for their VDC. They realize that they should also include a few design considerations to prepare them for cloud.

What is a key technical reason for the company to build a cloud-based service?

- A. Scale resources up and down to meet needs
- B. Take advantage of multi-tenancy to improve utilization
- C. Consolidate systems to increase density
- D. Leverage auto-healing to reduce down-time

Correct Answer: A

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**QUESTION 2**

What cloud characteristic provides computing resources that facilitate multiple consumers using a multi-tenant model, with different physical and virtual components that are dynamically assigned and reassigned based on demand?

- A. On-demand self-service
- B. Resource pooling
- C. Rapid elasticity
- D. Measured service

Correct Answer: B

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**QUESTION 3**

A midsize company has deployed centralized storage and is currently planning to virtualize their servers. They have considered their application into Tiers, with Tier 1 application requiring the same service and performance levels of the current servers.

They have purchased new, high capacity servers for the virtualized environment and are planning to consolidate several physical servers into a single hypervisor. They are now determining the bandwidth requirements of the application in order to purchase the current number of FCME CNAs for each server.

The results of their analysis for Tier 1 application are as follows:

Average SAN Bandwidth: 3 Gb/s

Average LAN Bandwidth: 2 Gb/s

What is the minimum number of CNAs they would need to install on each server to meet the bandwidth required for the Tier 1 application while providing CAN redundancy and high availability?



A. 1

B. 2

C. 3

D. 4

Correct Answer: B

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#### QUESTION 4

You are designing a VDC that uses converged networking to support both LAN and SAN traffic. FCoE is used exclusively for storage access. The access and aggregation layer switches that have been chosen support both 10 and 40 Gigabit Ethernet and Data Center Bridging.

You have determined that the traffic between the access layer and aggregation layer switches is:

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Average SAN (FCoE) –60 Gb/s

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Average LAN (Ethernet) –100 Gb/s

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Burst SAN (FCoE) –80 Gb/s

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Burst LAN (Ethernet) –130 GB/s Performance cannot be degraded due to a failure of a single switch. Which port configuration would support the average traffic between the access and aggregation layer

switches?

A. Three 40 Gb/s ports and six 10 Gb/s ports

B. Four 40 Gb/s ports

C. Three 40 Gb/s ports and four 10 Gb/s ports

D. Four 40 Gb/s ports and eight 10 Gb/s ports

Correct Answer: A

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#### QUESTION 5

When applying compliance principles to your company's VDC and cloud architectures, how should you approach your information life cycle management strategy?

A. Data of reset



- B. Archival and offsite storage
- C. Production and backup
- D. Inception to completion

Correct Answer: B

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