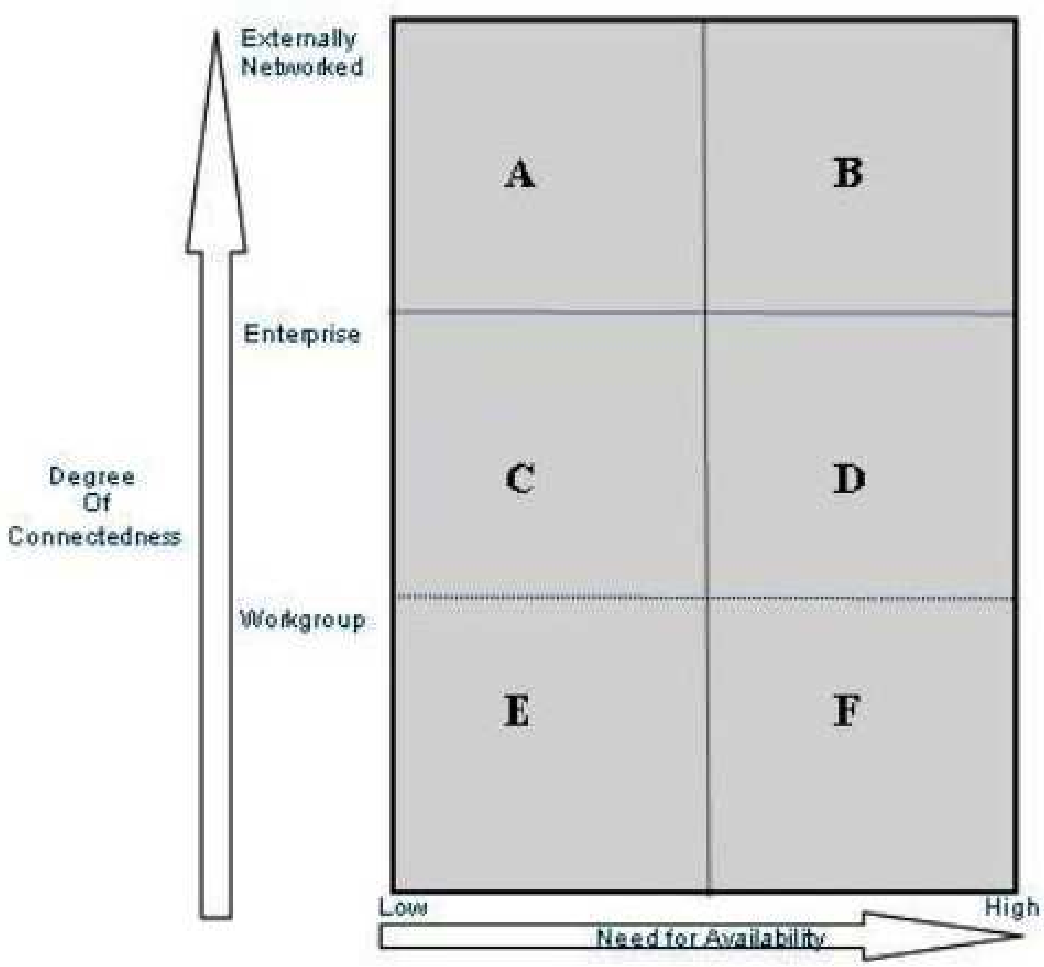
Exam : **E20-016**

Title : Storage Networking Design Specialist Exam for Data Center Architects

Version : Demo

1.An organization is using cloud storage to back up their employees' desktop data. The backup application running at the organization's data center ensures moderate performance while backing up data.

The application completes the entire backup within the stipulated backup window. By leveraging cloud storage service, the backup application meets high-availability and high-recoverability requirements of employees' data.



Based on the exhibit, which section accurately represents this application?

A. A

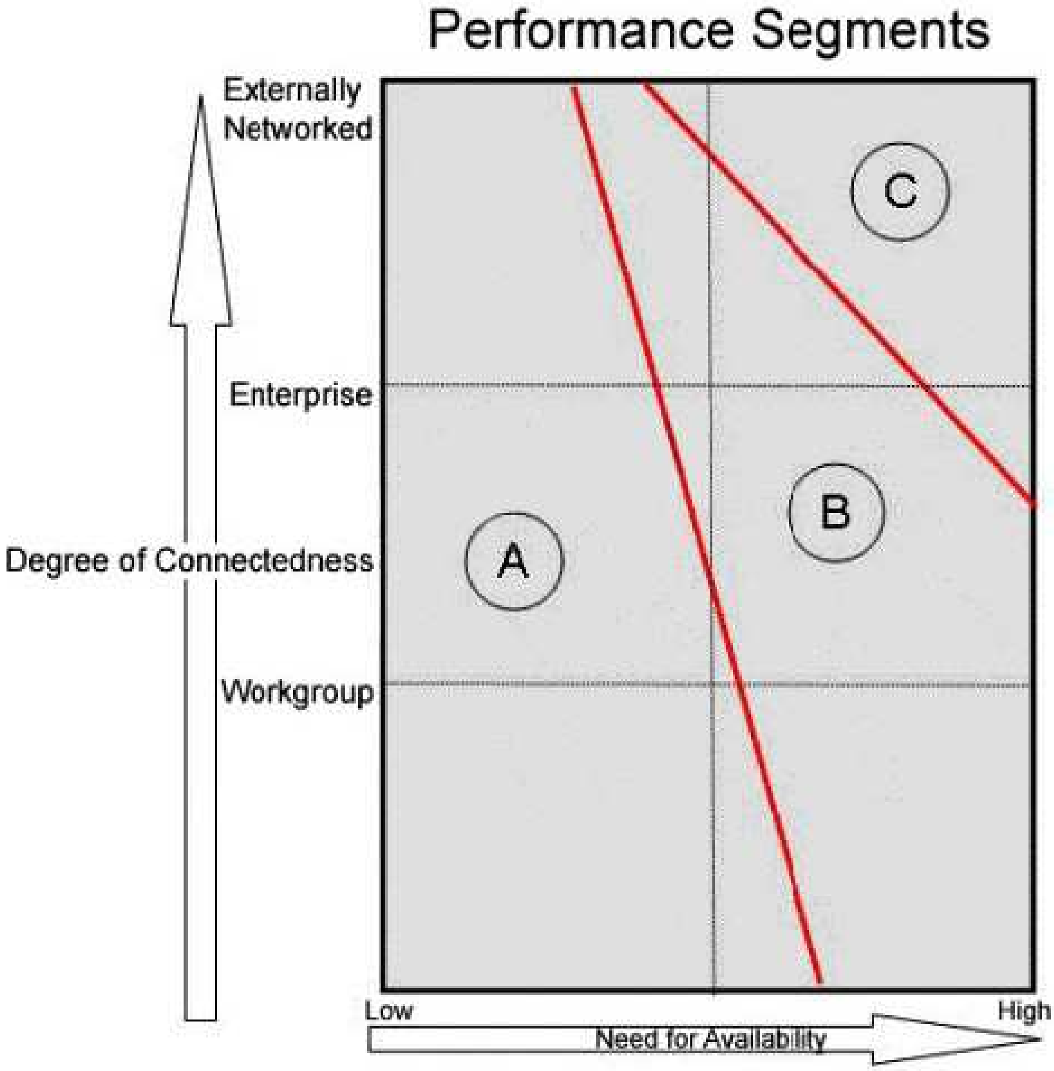
B. C

C. D

D. F

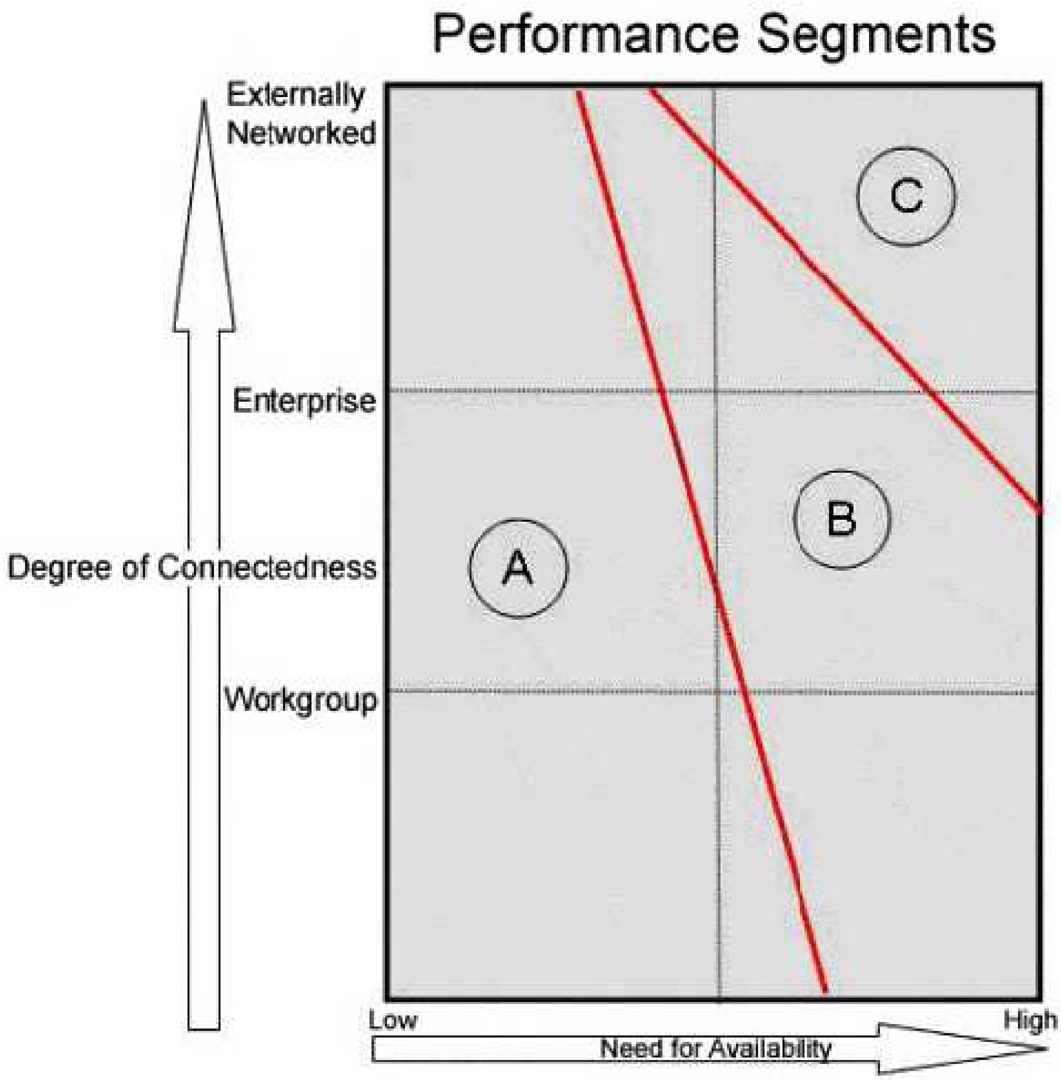
Answer: C

2.Areas A, B, and C are three performance segments that represent demands of application classes.



Which application performance need is illustrated by Segment B in the exhibit.?
A. Availability
B. Interoperability
C. Ease of management
D. Throughput
Answer: A

3.Areas A, B, and C are three performance segments that represent demands of application classes.



Which application performance need is illustrated by Segment C in the exhibit?

A. Throughput

B. Availability

C. Interoperability

D. Ease of management

Answer: A

4.A company's business operations depend on the following three applications:

A = Supply chain management

B = CAD/CAE (design)

C = e-Commerce

Which application classes are associated with these applications?

A. A=Enterprise; B=Workgroup; C=Externally networked

B. A=Externally networked; B=Workgroup; C=Enterprise

C. A=Workgroup; B=Enterprise; C=Externally networked

D. A=Workgroup; B=Externally networked; C=Enterprise

Answer: A

5.A multi-national bank provides online services to its customers. The bank has implemented a new credit risk analysis system with data mining capabilities. In addition, the bank wants to provide enhanced business intelligence to its loan officers.
The application development team has determined a 20 TB storage requirement. Which application class(es) describe(s) this environment?
A. Enterprise
B. Workgroup
C. Externally networked
D. Workgroup and externally networked
Answer: A

6.The Present Value (PV) of $50,000 in 5 years, with a discount rate of 10% each year, is represented in the exhibit.

A company invests $98,000 on new monitoring software for its critical database. An annual yield of $50,000 is expected.
What is the first time the company will see its investment yielding positive returns?
A. Year 1
B. Year 2
C. Year 3
D. Year 4
Answer: C

7.A company's IT organization is comparing two technology proposals. Option 1 would retain existing legacy equipment while Option 2 would replace the existing infrastructure.
Option 1:
-Total operational costs = $300,000 per year -Annual storage requirements = $100,000 per year
Option 2:
-Initial investment = $1,000,000 -Recurring annual operational costs = $150,000 per year -Annual storage

requirements = $50,000 per year
The company's write-off costs for the legacy equipment is $50,000. As a business analyst using a TCO analysis, which course of action would you recommend?
A. Option 1 is feasible if the project lifespan is less than 5 years B.
Option 1 is feasible if the project lifespan is more than 6 years C.
Option 2 is feasible if the project lifespan is less than 5 years D.
Options 1 and 2 are feasible if the project lifespan is 5 years
Answer: A

8.A company's 20 file servers were consolidated onto a NAS device at a cost of $350,000 for the hardware and $75,000 for implementation services. The consolidated/replaced servers were written off for the remaining book value of $75,000. The company will realize $60,000 per month due to this consolidation.
What is the return on investment (ROI) in one year and the break-even point for the company's initial investments?
A. 44%; Month 8
B. 44%; Month 9
C. 70%; Month 8
D. 70%; Month 9
Answer: B

9.After careful consideration, a business has decided to implement thin provisioning in its SAN environment. Implementing thin provisioning will require the following investment:
- License costs = $100,000
- Other one-time costs (for example, training, installation) = $50,000 Continuing as is, storage requirement projections over the next three years would total 70 TB. Employing thin provisioning will allow the storage requirements to be reduced to 40 TB. The cost of storage is $40,000 per TB.
What is the return on investment (ROI) percentage for this project?
A. 7
B. 70
C. 700
D. 7000
Answer: C

10.A company wants to invest in a storage networking project. What are the key business value parameters that must be considered when making a decision to proceed with the investment? A.
Return on investment and payback period
B. Net present value and break-even point
C. Net present value and return on investment
D. Payback period and operating cost
Answer: A

11.An organization purchased a NAS storage infrastructure to service all its applications for three years.
Various cost components for this deployment are as follows:

- Initial cost includes the purchase cost of $2,000 and an installation charge of $400.
- Organization needs to pay $200 per year for maintenance and $100 per year as license fees.
- From Year 2, the organization must pay $1,000 per year for OS upgrades.

At the end of the three years, the organization needs to pay a recycling fee of $50 to dispose of the NAS device that will no longer be needed.
What is the total cost of ownership (TCO) each year to implement this technology infrastructure?
A. $1,783
B. $2,675
C. $3,566
D. $5,350
Answer: A

12.A company is comparing two technology options for their IT environment. Option 1 is to retain the existing legacy environment, and Option 2 will require the replacement of the current solution with a new solution.
Option 1:
-Operation costs including maintenance of the current infrastructure = $300,000 per year -Investment in additional storage requirements = $100,000 per year
Option 2:
-Initial cost of the new solution = $1,000,000 -Operation costs with the new infrastructure = $150,000 per year -Investment in additional storage = $50,000 per year
The company's write-off cost for the current solution is $50,000. As a business analyst, what would you recommend to the company based on the TCO?
A. Option 1 is feasible if the project lifespan is less than 5 years B.
Option 1 is feasible if the project lifespan is more than 6 years C.
Option 2 is feasible if the project lifespan is less than 5 years D.
Options 1 and 2 are feasible if the project lifespan is 5 years
Answer: A

13.A director contains eight port cards with four ports per card. If two of the director's port cards are unavailable for five minutes, what is the path minute of SAN performance degradation?
A. 10
B. 20
C. 32
D. 40
Answer: D

14.A redundant switch contains eight-port cards with four ports per card. If one of the port cards is unavailable for eight minutes before it is hot swapped, what is the resultant path minute of SAN performance degradation?
A. 4
B. 8
C. 24
D. 32

Answer: D

15.A company is deploying a new application. During the requirements gathering process, your team has documented several key company requirements.
What could be a key functional requirement?
A. Copying data to three different locations
B. Lower storage footprint
C. Interoperability with the existing infrastructure
D. Low administrative costs per TB/storage
Answer: A

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