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EMC E20-322

Technology Architect Solutions Design

Practice Questions and Answers

By: ExamKiller Inc.

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Technical Support Team

Question: 1

In your capacity as a designer for Company.com, You have been asked to design a new centralized backup solution. Company.com has forwarded a list that consists of the number of servers, the amount of data, the daily change rate, and information about the backup policy. Company.com does not want to change its current backup policy. What other essential piece of information will you need to correctly size the solution in terms of throughput requirements?

- A. Average number of failed backups
- B. Offsite handling procedures
- C. Backup window
- D. RPO

Answer: C

Question: 2

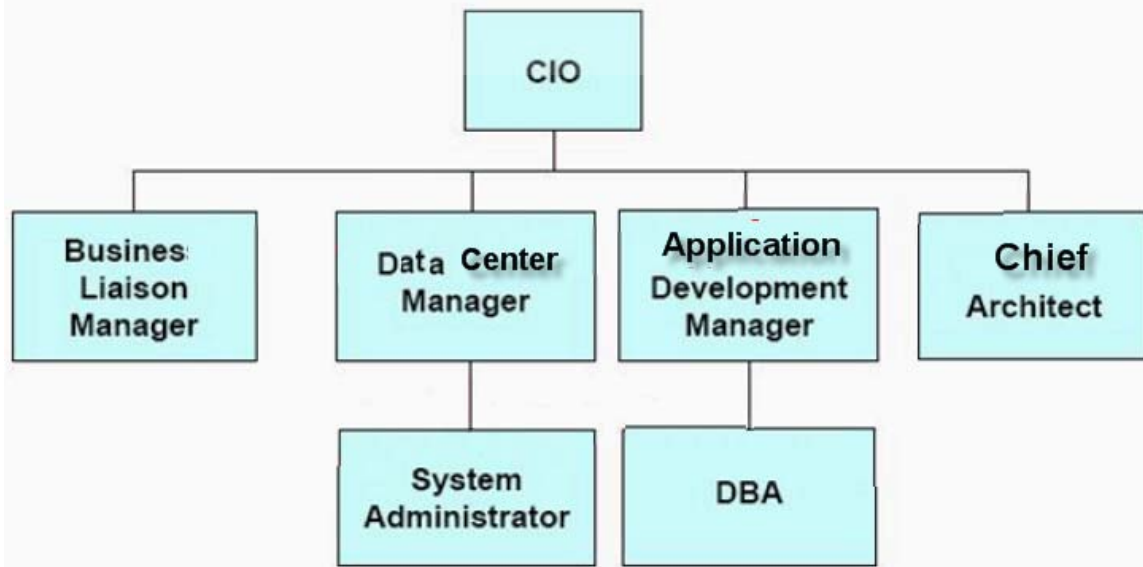
The Company.com environment comprises 35 UNIX servers using a combination of direct attached storage, as well as a small SAN storage system that supports 10 servers. The SAN offers single port access to the servers. The EMC sales team is eager to replace the existing SAN storage vendor and increase the utilization of SAN storage for Company.com. The team proposes redundant fabrics and the use of PowerPath. What information must you collect if you have to determine the number of HBAs that Company.com will require in each server?

- A. Data Criticality, block size of the data and location of the components
- B. Server make, model, operating system and version details
- C. Type of data to be stored, location of the components, and server operating systems
- D. Data Criticality, I/O rate of the servers, and block size of the data

Answer: D

Question: 3

You are the head of the design team for Company.com. Your team has completed the gathering and analysis phases of the design. The solution you propose has the following advantages:
A reduction of capacity-related outages by 80%
An increase in application uptime by 10%
A solid base for a multi-platform operational management system
Which Company.com role is affected by these benefits the most?



- A. System Administrator
- B. Data Center Manager
- C. Chief Architect
- D. Chief Information Officer

Answer: B

Question: 4

You are a designer for Company.com. Company.com is planning to migrate its data and Windows hosts from an existing Symmetrix to a CX700 that was recently added to its enterprise SAN. Realexams.com currently utilizes a host-based volume manager to create file systems out of multiple Symmetrix devices presented to their hosts. Company.com wants to employ metaLUNs on the CX and implement SnapView Clones as a local Disaster Recovery (DR) solution. Minimization of downtime to the hosts is essential. What would be the best method of migration to satisfy Company.com's required objectives and design considerations?

- A. Use Open Migrator/LM to migrate the host file system to a single CX metaLUN
- B. Use SAN Copy to pull the data from the Symmetrix with BCVs as the SAN Copy source LUNs
- C. Use SAN Copy to do a data push from the Symmetrix production volumes
- D. Use Incremental SAN Copy to migrate the smaller volumes to a single CX metaLUN

Answer: A

Question: 5

You are a designer for Company.com. While discussing Company.com's backup and recovery environment with them, you discover concerns about backup performance, ease of administration, and offsite regulatory compliance. Company.com asks you to design a solution to supply better backup, recovery, and Disaster Recovery performance. The solution produce only minor changes in Company.com's current processes (people and technology), and it must also make sure that Clones are sent to the offsite location as soon as the backup completes. Which one of these solutions can satisfy Company.com's needs best?

- A. Implement a CDL solution, at least one at each site. Do the backups to the onsite CDL(s) within the backup window and then clone the tapes over the WAN to the remote CDL(s)
- B. Implement a CLARiiON solution, at least one at each site. Do the backups to the onsite CLARiiON(s) within the backup window and then clone the data sets over the WAN to the remote CLARiiON(s)
- C. Implement a real tape library and CDL solution, at least one CDL and one real tape library onsite. Do the backups to the CDL(s) within the backup window and then clone the tapes to the real library(ies). Remove the tapes from the library, sending them over to the offsite location
- D. Implement a real tape library and CDL solution, at least one real tape library onsite and one CDL at the offsite location. Do the backups to the onsite tape library(ies) within the backup window and then clone the tapes over the WAN to the remote CDL(s)

Answer: A

Question: 6

You are a designer for Company.com. You have proposed a Data Center migration for a single storage array and multiple hosts. Duplicate equipment has been procured for a new site, and the project plan has been approved. You will perform a test migration on Company.com's development environment. What document is the most important to develop for the test migration?

- A. Migration procedure including customer and EMC responsibilities

- B. Backup procedures and roll-back plan
- C. List of servers, Operating Systems, and storage requirement
- D. Activities, milestones and dependencies

Answer: A

Question: 7

You are an administrator for Company.com. While interviewing the IT staff and management of Realexams.com, you discover that storage policies have been defined and documented and that all staff follows these policies. The process maturity is most closely reflected by which EMC Enterprise Maturity rating?

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

Answer: A

Question: 8

Company.com's environment consists of Symmetrix Arrays, CLARiiON Arrays, NetApp NAS Servers, Centera Arrays, and Brocade SAN switches. Also, all servers (Windows, Solaris, and AIX) use PowerPath for path failover. Company.com wants you to design a storage strategy that will include a chargeback feature.

These resources are distributed across four data centers. What is the best solution?

- A. Navisphere Manager, Fabric Manager, Celerra Manager
- B. Connectrix Manager, Centera Manager, StorageScope
- C. StorageScope, NaviCLI, Solutions Enabler, Custom Reporting Service
- D. ControlCenter Agents, Navisphere Reporting Module, NaviCLI

Answer: C

Question: 9

Company.com is interested in an SRM solution for their Storage environment, which is distributed over two data centers that are 500KM apart with a network latency of less than 100ms between the two sites. The environment consists of 120

Servers (A mix of Windows and Solaris Servers), 14 ED 64M Switches, 6 Symmetrix DMX1000 Arrays, 2 CLARiiON CX600 Arrays and 1 Celerra NS600. Company.com indicates that the SRM Solution should be able to report on and perform configuration tasks on all the storage arrays, and should also be able to report on the file level details on all the servers. Which components will make up the SRM Solution that will satisfy Company.com's requirements?

- A. ControlCenter, StorageScope, StorageScope FLR and Celerra Manager
- B. VisualSAN, VisualSRM, Celerra Manager and Navisphere Manager
- C. ControlCenter, VisualSRM, Navisphere Manager and Celerra Manager
- D. ControlCenter, StorageScope, StorageScope FLR and Navisphere Manager

Answer: A

Question: 10

You are a designer for Company.com. Company.com is interested in an SRM solution for their storage environment, which consists of 120

Servers (A mix of Windows and Solaris Servers), 14 ED-64M Switches, 6 Symmetrix DMX1000 Arrays, 2 CLARiiON CX600 Arrays and 1 Celerra NS600. This environment is distributed over

two data centers that are 500KM apart with a network latency of less than 100ms between the two sites. The SRM Solution will be used to carry out all SAN management and array configuration tasks. In the process of designing the ControlCenter solution, which factor will determine the necessary number of Stores?

- A. The required functionality - SAN management and array configuration
- B. Network Latency between the two sites
- C. Number of objects to be managed
- D. Number of ControlCenter Consoles to be deployed

Answer: C

Question: 11

You are a designer for Company.com. At Company.com site, you design a solution for a large SAN and NAS implementation. You use SAN Copy to migrate SAN data, and you now have to suggest a NAS migration tool. Company.com can provide you with a production outage to configure the migration, but cannot afford another outage later. Which of the following is an EMC migration solution that only requires a short amount of down time at the beginning of a migration?

- A. Rsync
- B. CDMS
- C. Robocopy
- D. EMCopy

Answer: B

Question: 12

You are an administrator for Company.com. Company.com currently has two existing DS-16B switches in two separate SANs. The hosts consist of two AIX servers and five Windows servers. Each server currently has two HBAs, one for the storage SAN and one for the tape backup SAN. The AIX is a mission critical environment, but is rarely changed. Servers might need to be added during business hours, because the Windows environment is expected to triple in size over the next few months. The storage array has already been upgraded to a new CX500. Company.com wants to replace the switches with 2Gb technology, to support the CX500 and provide high availability. The SAN architecture must also be scalable to accommodate future growth. Company.com has also been experiencing the following problems:

Several AIX outages related to the SANAn AIX server disruption during updates to the SAN fabric while adding new windows serversA switch port failure on an AIX host connectionAfter moving the fiber cable to an open port on the switch, all the AIX device IDs changed
Of the following, which configuration would satisfy Company.com high availability requirements and eliminate the AIX problems?

- A. PowerPath Enterprise licensing for all hosts. Two Cisco MDS-9140 redundant switches. Create separate VSANs for the Windows, AIX and Tape backup. Configure static domain IDs and persistence on the switches
- B. PowerPath Basic for Windows hosts. Two DS-4100Bs populated with 24 ports each configured as redundant fabrics. Replace all HBAs with new 2Gb HBAs. Configure persistent binding on the AIX hosts
- C. PowerPath Enterprise licensing for all hosts. Two DS2-4M2 switches configured as redundant SAN fabrics for storage. Two additional 2Gb HBAs per server for storage. ISL the existing DS-16B switches for a dedicated Tape SAN using one existing HBA per host