HP

Exam HP0-J44

Advanced SAN Architecture

Version: 6.1

[Total Questions: 100]

Topic 1, Volume A

Question No : 1 - (Topic 1)

When considering the cabling of a new SAN environment with 8Gb/s switches, what is the maximum distance per cable segment using OM2 fiber optic cables?

A. 50 meters
B. 150 meters
C. 380 meters
D. 500 meters

Answer: A

Question No : 2 - (Topic 1)

While designing the SAN to meet your customer's throughput requirements, you need to configure several 4Gb/s B-Series SAN switches with inter-switch links. What is the maximum throughput available using a trunk group between 2 switches?

A. 8Gb/s
B. 16Gb/s
C. 32Gb/s
D. 64Gb/s

Answer: C

Question No : 3 - (Topic 1)

What must you consider before you merge an old fabric with a new SAN implementation?

A. Active array controller ports must be taken offline to allow both fabrics to merge.
B. Zone configurations must be disabled on the existing fabrics.
C. New switches must be set to the same domain ID as the existing switches.
D. Each switch in the merged fabric must have a unique domain ID.

Answer: D

Question No : 4 - (Topic 1)

During a SAN switch assessment on a B-series switch, a SAN architect notices that the switch is partitioned in a set of logical switches. What is the name of this feature?

A. Inter VSAN Routing
B. Transparent Routing
C. Virtual Fabric
D. VSAN

Answer: C

Question No : 5 - (Topic 1)

Which HP tool can be used to validate the integrity of your customer's current SAN environment prior to a SAN upgrade?

A. HP StorageWorks SAN Validation
B. HP StorageWorks SAN Sizer
C. HP StorageWorks SAN Designer
D. HP StorageWorks Essentials SAN Visibility

Answer: D

Question No : 6 - (Topic 1)

When considering a proof of concept model for a customer with a Customer Relation Database (CRM) environment requiring high bandwidth, which size do you expect for the majority of I/O requests?

A. less than 8K
B. less than 100k
C. greater than 1MB
D. greater than 100k

Answer: D

Question No : 7 - (Topic 1)

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When designing a solution for a customer, there are different ways of looking at or viewing the SAN architecture that is part of that solution. What are two of the four SAN architecture views? (Select two.)

A. Business view
B. SAN functional view
C. Storage centric view
D. Stakeholder view
E. SAN switch view

Answer: A,B

Question No : 8 - (Topic 1)

What are the primary responsibilities of the SAN architect? (Select three.)

A. Ensuring data availability
B. Solving revision conflicts
C. Solving management problems
D. Ensuring data protection
E. Solving SAN scalability issues
F. Ensuring database consistency or validity

Answer: A,D,E

Question No : 9 - (Topic 1)

Which blocksize should you choose for a profile requiring performance-critical random access applications?

A. 2,048 bytes.
B. 4,096 bytes
C. 8,192 bytes
D. 16,384 bytes

Answer: A

Question No : 10 - (Topic 1)

Continuous Access XP software products allow host-independent, real-time, remote data mirroring between XP disk arrays. If you are designing a solution that requires no performance impact on the host application, but the link between sites is not necessarily highly available, what is the best choice?

A. CA for XP Sync
B. CA for XP Async
C. CA for XP Journal
D. CA for XP Link Extension

Answer: C

Question No : 11 - (Topic 1)

What are key considerations when creating service level agreements (SLAs) for a business customer? (Select three.)

A. cost savings by means of proactive support
B. continuity of critical processes
C. employee skills and adaptability
D. operating system capabilities and restrictions
E. Recovery Point Objective
F. Recovery Time Objective

Answer: B,E,F

Question No : 12 - (Topic 1)

What must you consider when you implement inter-switch links, running at 8Gb/s, between two data centers over a distance of 45m?

A. OM2 cables can be used.
B. OM3 cables must be used.
C. Longwave transceivers must be used.
D. Port trunking and longwave transceivers are required.

Answer: A

Question No : 13 - (Topic 1)

What should you do when planning a non-disruptive migration of a level 4 NSPOF fabric?

A. Remove all current zoning and set all current switches to the same domain ID.
B. Disconnect all devices from half of the SAN before adding new switches.
C. Connect all old devices to one switch and all new devices to replacement switches.
D. Avoid or minimize the movement of devices between switches.

Answer: D

Question No : 14 - (Topic 1)

Which vendors use MPxIO as iSCSI multipathing software for their operating systems?
(Select two.)

A. SUSE
B. Microsoft
C. Sun
D. Red Hat
E. VMware

Answer: C,E

Question No : 15 - (Topic 1)

You are transitioning an existing LAN and Fiber Channel SAN solution to a Unified I/O
solution that will utilize FCoE. What are some of the Ethernet enhancements that are
known as Converged Ethernet Enhancements (CEE)? (Select three.)

A. Data Center Bridging Exchange Protocol (DCBX)
B. Congestion Notification (QCN)
C. Advanced FC/IP Tunneling (AFIT)
D. Enhanced Congestion Elimination (ECE)
E. Enhanced Transmission Scheduling (ETS)
F. Port Trunking Priority Protocol (PTPP)

Answer: A,B,E

Question No : 16 - (Topic 1)

Which functions and protocols do VEX_Ports support?

A. Fibre Channel switching only
B. Fibre Channel switching and Fibre Channel routing
C. Fibre Channel switching and FCIP
D. Fibre Channel routing and iSCSI

Answer: C

Question No : 17 - (Topic 1)

What are the possible localities of storage relative to the servers accessing the data?
(Select two.)

A. one-to-one
B. centralized
C. homogeneous
D. local loop
E. one-to-many

Answer: A,B

Question No : 18 - (Topic 1)

What provides the site preparation requirements for an EVA storage array?

A. Sales Guide
B. Sales Builder for Windows
C. Product Bulletin
D. SmartStart for EVA

Answer: C

Question No : 19 - (Topic 1)

A customer's RPO and RTO expectations for their VMware environment are extremely high. Which solution from the HP data protection portfolio should you suggest to satisfy them?

A. VMware Application Data to Backup Solution
B. Data Protection Server Solution
C. B2D2T Solution
D. Data Protector Zero Downtime Backup (ZDB) Solution

Answer: D

Question No : 20 - (Topic 1)

A dual-fabric SAN has 56MB/s sustained read transfer rate from the disk subsystem. Backups to LTO-4 FC drives take too much time. What is your suggestion to improve the SAN or disk subsystem's read performance?

A. Check the MPIO configuration and enable ALB.
B. Connect both ports of LTO-4 FC drives and enable Tape ALB.
C. Enable WBC on the disk subsystem and the LTO-4 FC tape drives.
D. Enable the Windows Removable Storage Manager service.

Answer: A

Question No : 21 - (Topic 1)

When configuring an Oracle 10g system as a proof of concept on HP storage arrays, how many database and log writer threads should be configured?

A. one per database and one per log
B. one per controller, one per database, and one per log
C. two per database and one per log
D. two per database and two per log

Answer: A

Question No : 22 - (Topic 1)