



Exam : 000-204

Title : Storage Networking Solutions Version 3 □□

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QUESTION 1

Which is a key benefit of the IBM System Storage N series Write Anywhere File Layout (WAFL) design and is the main contributor to better performance?

- A. The copy-on-write feature allows WAFL to avoid duplicating blocks of data, thus increasing performance.
- B. The file placement algorithms in WAFL allow the repair of high file fragmentation concurrently.
- C. Keeping metadata in files makes it easy to increase the size of the file system on the fly. When a new disk is added, the N serie automatically increases the size of the metadata files.
- D. The write-anywhere design allows WAFL to operate efficiently with RAID by scheduling multiple writes to the same RAID stripe whenever possible.

Answer: D

QUESTION 2

Which IBM N series licensed feature enables a writable replica of the flexible volume?

- A. Snapshot
- B. SnapMirror
- C. FlexCache
- D. FlexClone

Answer: D

QUESTION 3

A customer wants to assign a relative priority to a volume on an N7600 running Data ONTAP 7.2 to cause accesses to that volume to receive a priority that is higher or lower than that of other volumes on the storage system. Which feature accomplishes this?

- A. Virtual Vol
- B. FlexVol with RAID-DP
- C. VolShare
- D. FlexShare

Answer: D

QUESTION 4

Which product allows a Storage Administrator to set storage utilization alerts for the DS8000, DS4800, SAN Volume Controller, and EMC DMX?

- A. IBM Total Productivity Center for Replication
- B. IBM Total Productivity Center for Disk
- C. IBM Total Productivity Center for Data

D. IBM Total Productivity Center for Fabric

Answer: B

QUESTION 5

A customer has a MetroCluster configuration for its Lotus Notes mail data. Site A fails and Site B takes over. How does this affect Windows users and their CIFS connections?

- A. Setup must be run on Site B, redefining the previous IP addresses used by Site A so that it can service both its own and site A's IP addresses.
- B. Site B host ACLs must be updated for the failed-over Windows connections.
- C. The windows users must re-establish shares using Site B addresses and hostnames.
- D. Site B takes over site A's hostnames and addresses and continues to serve its own addresses and hostnames.

Answer: D

QUESTION 6

A customer is using a CAD program on UNIX clients. The client needs a file system I/O data storage. Which protocol should be used on the N series?

- A. FCP
- B. iSCSI
- C. CIFS
- D. NFS

Answer: D

QUESTION 7

A customer wants IBM support notified immediately in case of an N series failure. Which feature meets this customer's needs?

- A. SNMP alert
- B. AutoSupport
- C. Remote LAN Module
- D. RemoteConsoleSupport

Answer: B

QUESTION 8

Which feature needs to be purchased as a separate license?

- A. Snapshot
- B. SnapBackup
- C. SnapRestore
- D. SnapMover

Answer: C

QUESTION 9

A customer has five divisions in a single data center. They want a separate fabric for each of these divisions. They also want all tape devices to be corporate resources that are shared across the SAN fabrics. Each of these fabrics must have the ability to expand and support up to 239 domains. The customer wants a cost-effective solution that minimizes the number of major physical SAN components, such as switches and directors. Which solution meets these requirements?

- A. one Cisco MDS 9509 director with the VSAN feature
- B. five IBM SAN256M directors and an IBM SAN24M-1 switch interconnected by an IBM SAN16M-R router
- C. one IBM SAN M14 director and an IBM SAN16B-2 switch interconnected by an IBM SAN16M-R router
- D. five IBM SAN256B directors and an IBM SAN16B-2 switch interconnected by an IBM SAN16B-R router

Answer: A

QUESTION 10

Which type of security should be implemented in a heterogeneous environment to control device connection?

- A. WWN Access Control Lists
- B. NTFS with SAMBA
- C. LDAP hosted on a Linux server
- D. NFS with Windows userID mapping

Answer: A

QUESTION 11

Which Domain ID range accommodates all IBM SAN switches?

- A. 128 to 256
- B. 1 to 256
- C. 97 to 127
- D. 1 to 239

Answer: C

QUESTION 12

A customer has 24 servers, an eight-host port IBM DS4800, and eight single-port fabric-attached tape drives that are all SAN-attached. The customer needs redundant disk connectivity and connection to tape. To follow best practice, what is the minimum

number of 32-port switches needed to implement a LAN-free backup solution?

- A. 8
- B. 2
- C. 3
- D. 4

Answer: C

QUESTION 13

The customer has Windows servers and applications that use Block I/O. They do not want to implement a SAN. Which configuration would meet their requirements?

- A. iSCSI HBA and DS4800
- B. iSCSI HBA and SVC
- C. Microsoft iSCSI initiator and N3300
- D. Microsoft iSCSI initiator and SVC

Answer: C

QUESTION 14

Which N series feature should be used for regulatory compliance and long-term integrity of data?

- A. SnapWorm
- B. LockVol
- C. SnapLock
- D. SnapProtect

Answer: C

QUESTION 15

Using long distance fabric, a server's host bus adapter (HBA) with a buffer credit of 64 communicates with a switch port with only eight buffer credits. Which statement is correct?

- A. The HBA can write at a higher performance than it can read.
- B. The HBA can read and write at equal performance.
- C. The HBA will read and write at a degraded rate.
- D. The HBA can read at a higher performance than it can write.

Answer: D

QUESTION 16

A customer using file system I/O initially needs 6 TB of raw disk capacity with scalability up to 12 TB within the next year. Which IBM System Storage product should

be proposed to this customer?

- A. IBM DS8300
- B. IBM SAN Volume Controller
- C. IBM N3600
- D. IBM DS300

Answer: C

QUESTION 17

A customer has just installed the latest N series management software on a separate server. It includes several management tools to help them manage and monitor their storage systems from a single location. Which management tool provides infrastructure services such as discovery, monitoring, role-based access control, auditing, logging?

- A. Operations Manager
- B. Protection Manager
- C. TotalStorage Productivity Center
- D. Appliance Manager

Answer: A

QUESTION 18

A customer plans to install several new N series systems in its SAN using the iSCSI and FCP protocols. Which solution meets this customer's requirements?

- A. IBM TotalStorage SAN32M-2 (2026-432)
- B. IBM TotalStorage SAN32B-3 (2005-B5K)
- C. Cisco MDS 9124 (2053-424)
- D. Cisco MDS 9506 (2054-E04)

Answer: D

QUESTION 19

Storage management is becoming increasingly complex, primarily due to the inclusion of EMC, HDS, and IBM storage devices. The Windows and Linux hosts must run vendor-compatible failover and multi-path drivers to access the disks on heterogeneous storage.

Which IBM storage solution simplifies the storage management complexity, addresses the interoperability issues, and minimizes cost?

- A. IBM SAN Volume Controller (SVC) and SDD driver
- B. IBM General Purpose File System (GPFS) and MPIO driver
- C. PowerPath, Dynamic Link Manager, and IBM PPRC
- D. IBM SAN Volume Controller (SVC) and RDAC driver

Answer: A

QUESTION 20

A customer has high performance database servers that access a DS8000 via SAN and low-end file servers that access the DS8000 via an N5500 gateway. The DS8000 storage capacity allocated to the database servers is under-utilized, while storage allocated to the gateway has reached the maximum limit. The storage demand for the low-end file servers is increasing exponentially. What is the most cost-effective solution that addresses the storage needs for the file servers?

- A. install additional DS3200 storage on the low-end servers
- B. purchase the SAN Volume Controller and consolidate the DS8000 and N5500 gateway
- C. create additional FlexVols on N5500 gateway
- D. allocate DS8000 storage to low-end file servers via the N5500 gateway device

Answer: D

QUESTION 21

A customer has an N7000 series active/active configuration with 4 Gb adapters. The customer wants to set the cfmode correctly to ensure there are no service interruptions during CFO takeover and giveback. What cfmode settings can the customer select for the N7000?

- A. Dual_fabric or Single_image
- B. Partner or Standby
- C. Standby or Single_image
- D. Partner or Mixed

Answer: C

QUESTION 22

A customer has two sites located less than 10 kilometers apart. The customer has a SAN at each location and wants to merge both fabrics. There is dark fibre and a T3 dataline between the sites. The customer wants to utilize storage resources at each site for peer-to-peer copy and disaster recovery. Which solution provides the best performance?

- A. PPRC
- B. long-wave SFPs on ISLs
- C. iFCP router
- D. channel extenders

Answer: B

QUESTION 23

A customer infrastructure has an N7600 clustered storage attached via FC SAN to more than 50 high-end servers. These servers are configured to access storage on Node A while Node B is primarily used as a standby device. Users are reporting poor performance. What is the most cost-effective way to address performance bottlenecks?

- A. dynamically move half of the servers from Node A to Node B and run performance tuning on both nodes
- B. add more FC disks to Node A and assign disk ownership during a scheduled maintenance window
- C. change the configuration to active/active and the disk ownership is redistributed automatically
- D. change Node B to active and redistribute disk ownership equally during a scheduled maintenance window

Answer: D

QUESTION 24

A customer wants a storage subsystem to act as a file server to multiple workstations via LAN connections. Which solution best meets this customer's needs?

- A. IBM System Storage N series
- B. IBM System Storage DS3300
- C. IBM System Storage DS3400
- D. IBM System Storage SAN Volume Controller

Answer: A

QUESTION 25

A customer wants to implement a high-availability infrastructure using DS8300 and will use two additional locations. The second location is 10 kilometers from the first location. The third location is 400 kilometers from the other locations. Which solution meets this customer's needs?

- A. Global Mirror
- B. Global Copy
- C. Metro/Copy Mirror
- D. Metro/Global Mirror

Answer: D

QUESTION 26

A customer has ten branch offices with N5600 systems and a headquarters location with an N7600. The customer replicates its data by using SnapVault primary on the branch office systems and SnapVault secondary for the centralized storage located at headquarters. The customer wants to create a second copy of its headquarter's N7600

system. Which software installs on an N7600 to replicate data to the additional N7600 system the company just purchased?

- A. SyncMirror
- B. SnapMirror
- C. SnapDup
- D. SnapVault secondary

Answer: B

QUESTION 27

What is the maximum number of allowed paths between an N series gateway and a switch when the gateways are deployed with DS4000 storage subsystems?

- A. 6
- B. 1
- C. 4
- D. 2

Answer: D

QUESTION 28

A customer has an IBM System Storage N series with MetroCluster for rapid recovery. What are the two available configurations?

- A. FCP and iSCSI
- B. FlexShare and FlexClone
- C. Stretch and Fabric
- D. SnapVault and SnapMirror

Answer: C

QUESTION 29

A customer has three data centers and 37 servers. The customer needs hourly disk-based online backup and restore processes that periodically back up a SnapShot copy from Linux clients to another system. Which N series feature does the customer need?

- A. SnapMirror
- B. SnapLock
- C. Open System SnapVault
- D. SnapVault

Answer: C

QUESTION 30

A customer has an N series that is used exclusively by UNIX clients with NFS mounts.

The customer wants to add a second remote site with another N series to its campus and wants to reduce network traffic between the sites. Which N series feature will accomplish this?

- A. FlexVol
- B. FlexClone
- C. FlexCache
- D. FlexShare

Answer: C

QUESTION 31

A customer plans to create a DR site to replicate the critical data from its production site. The distance between the production site and DR site is approximately 30 kilometers. The customer does not want to merge these two sites' fabrics. Which solution meets this customer's requirements?

- A. install IBM SAN18B-R at both sites using the FCIP protocol
- B. install IBM SAN32B-2 at both sites using the DWDM and FCP protocols
- C. install IBM SAN16M-R at both sites using the FCIP protocol
- D. install IBM SAN32B-2 at both sites using the iSCSI protocol

Answer: A

QUESTION 32

A customer wants data center consolidation. The existing environment consists of several SAN fabrics. What analysis tool would you use to evaluate this environment?

- A. TotalStorage Productivity Center
- B. Cisco VSAN
- C. Brocade SAN Health Assessment
- D. EFCM

Answer: C

QUESTION 33

What licenses must be enabled on both sides in an N series MetroCluster solution?

- A. cluster, cluster_remote, and syncmirror_local
- B. cluster_remote, snapmirror_remote, and snapmirror_local
- C. snapmirror_sync, cluster_remote, and snapmanager
- D. snapmirror_async, cluster, and snapshot_remote

Answer: A

QUESTION 34

In the seven tiers of disaster recovery, which tier requires physical transportation of backup media?

- A. Tier 6 - Zero or little data loss
- B. Tier 5 - Transaction integrity
- C. Tier 4 - PIT copies
- D. Tier 1 - PTAM

Answer: D

QUESTION 35

A customer is considering purchasing a new N series storage subsystem. They require HTTP, FTP, CIFS, NFS, and FCP connectivity. Which licenses must be purchased?

- A. HTTP, FTP, NFS, CIFS
- B. HTTP, FTP, NFS, FCP
- C. HTTP, CIFS, NFS, FCP
- D. FTP, NFS, FCP, CIFS

Answer: C

QUESTION 36

A customer purchased an IBM BladeCenter with QLogic 20-port 4 Gb FC Switch Modules. The customer wants to connect to an external MDS 9500 director. What should be done to merge the QLogic 20 FC switch modules with the MDS 9500 fabric in VSAN X?

- A. configure unique domain IDs on the QLogic and MDS switches and set the VSAN interop mode to Interop mode 1
- B. Configure the same domain IDs on the QLogic and MDS switches and set the interop mode to Interop mode 1
- C. configure unique domain IDs on the QLogic and MDS switches and leave interop mode value to default on both switches
- D. configure unique domain IDs on the QLogic and MDS switches and set the VSAN interop mode to Interop mode 2

Answer: C

QUESTION 37

Which statement is true about merging two fabrics?

- A. The same license is required on each switch and director.
- B. The switch zones must match and the switches must have different Domain IDs.
- C. The switch firmware must be the same version on the whole fabric.
- D. The switch port speed and negotiation must be the same.

Answer: B

QUESTION 38

A customer wants to enable E-port functionality for Inter-Switch Link on an IBM TotalStorage SAN16B-2 (2005-B16) switch. Which optional feature must be enabled?

- A. Remote Switch Activation
- B. Full Fabric Activation
- C. Performance Bundle Activation
- D. Extended Fabric Activation

Answer: B

QUESTION 39

After adding an N series LUN and mapping it to the AIX host, cfgmgr must be run to rescan and discover the disk. The AIX host has had the AIX Host Attach Kit installed. Which command displays the LUN and the path?

- A. lsdev -Cc disk
- B. lun stats
- C. lun show
- D. sanlun lun show all

Answer: D

QUESTION 40

A customer's primary data center has an IBM 2062-D04 with one open slot. The customer wants to establish a connection with a remote data center that is located 350 kilometers away. The remote data center has an IBM 2062-D01 with an open slot. In order to provide connectivity using a WAN connection between the two sites, which module should be added at both datacenters?

- A. CWDM Module
- B. 8-port IP Module
- C. 16-port FC Module
- D. 32-port FC Module

Answer: B

QUESTION 41

Which process updates the Data ONTAP software?

- A. 1. from a UNIX client, mount the N series' /directory
- 2. download software from the Internet and untar into /etc/upgrade
- 3. run the upgrade command

4. reboot

B. 1. from Operations Manager, select the N series' system

2. download software from the Internet to the system running Data Fabric Manager

3. select and start dynamic upgrade from the maintenance section pane

4. reboot

C. 1. from a Windows client, connect the N series' c\$ share

2. download software from the Internet and unzip into \etc

3. run the download command

4. reboot

D. 1. from a Windows client, connect the N series' c\$ share

2. download software from the Internet and unzip into \etc\upgrade

3. run the upgrade command

4. reboot

Answer: C

QUESTION 42

In an N series clustered environment with vFilers, if a failure occurs what will happen with the vFiler?

A. The vFiler is not available for the failed node.

B. The vFiler configuration must be reconfigured.

C. The vFiler volumes must be shared again.

D. The vFiler configuration will also fail over.

Answer: D

QUESTION 43

A customer purchased an IBM BladeCenter with QLogic 20-port 4 Gb FC Switch Modules. The customer wants to connect to an external MDS 9500 director. What should be done to merge the QLogic 20 FC switch modules with the MDS 9500 fabric in VSAN X?

A. Configure the same domain IDs on the QLogic and MDS switches and set the interop mode to Interop mode 1

B. configure unique domain IDs on the QLogic and MDS switches and leave interop mode value to default on both switches

C. configure unique domain IDs on the QLogic and MDS switches and set the VSAN interop mode to Interop mode 2

D. configure unique domain IDs on the QLogic and MDS switches and set the VSAN interop mode to Interop mode 1

Answer: B

QUESTION 44

An N series storage system has multiple tape drives and a volume with two to four qtrees.

How can backup rates be improved?

- A. by taking all aggregates and volumes that are not being backed up offline
- B. by running multiple reallocate commands in parallel, each reading a different volume and writing to a different tape drive
- C. by running multiple SnapDump sessions in parallel, each performing backups on different N series systems
- D. by running multiple dump commands in parallel, each reading a different qtree and writing to a different tape drive

Answer: D

QUESTION 45

A customer wants a new SAN that will include one IBM DS4300 with seven EXP 810s attached and two IBM SAN32B-2 switches (2005-B32). The solution will need to be racked in a 36U standard 19-inch rack. What is the total number of rack units required for this solution?

- A. 23
- B. 19
- C. 30
- D. 26

Answer: D

QUESTION 46

A customer wants to use the features of the IBM N series and wants maximum capacity. They also want the flexibility to use different RAID types. Which N series model meets this customer's needs?

- A. N7800 A20
- B. N3700 G20
- C. N3300 G20
- D. N7800 G20

Answer: D

QUESTION 47

An IBM N5300 Model A20 has been configured with two EXN4000 expansion units filled with 300 GB disk drives. Using best practice for spare drives and parity drives for RAID-DP, what is the approximate effective capacity of this subsystem when NOT using Snapshot?

- A. 4.2 TB
- B. 4.8 TB
- C. 6.6 TB

D. 5.9 TB

Answer: D

QUESTION 48

A customer currently has DS4000 subsystems installed with 10 TB capacity available and wants to provide 5 TB of storage to attach 50 Windows servers via iSCSI connections. Which solution provides iSCSI connectivity and high performance at the lowest cost?

- A. IBM System Storage N5600 Gateway attached to DS4000
- B. IBM System Storage DS3300 Subsystem
- C. IBM SAN Volume Controller attached to DS4000
- D. IBM System Storage N3300 Gateway attached to DS4000

Answer: A

QUESTION 49

What is the maximum number of allowed paths between an N series gateway and a switch when the gateways are deployed with DS4000 storage subsystems?

- A. 2
- B. 6
- C. 1
- D. 4

Answer: A

QUESTION 50

A customer runs an enterprise-class storage environment based on an enterprise-class SAN with FCP and FICON protocols. For the FCP protocol, the customer needs a SAN-to-SAN routing solution with enterprise-class availability over its IP network. Which product meets this customer's needs?

- A. IBM System Storage SAN16B-R
- B. IBM System Storage SAN256B
- C. IBM System Storage 2062-D01
- D. IBM System Storage SAN04M-R multi-protocol SAN router

Answer: B

QUESTION 51

What is the a maximum number of N series Snapshot copies you can keep for a UNIX or Linux storage system?

- A. 255

- B. 256
- C. 1024
- D. 128

Answer: A

QUESTION 52

A customer has a Windows 2003 SP1 environment. The customer wants to consolidate their storage but has not decided on a platform. The customer wants to perform a Disk Magic study to understand current workloads and possible IBM storage systems. Which tool provides system performance information for Disk Magic in a server environment?

- A. TPC for Disk
- B. iostat
- C. essutil
- D. perfmon

Answer: D

QUESTION 53

A technician has transferred the new Data ONTAP code to the /etc directory on the N series. Which command must be executed on the N series?

- A. version -b
- B. upgrade
- C. download
- D. upgrade -v \etc

Answer: C

QUESTION 54

A customer wants to set up a disaster recovery location to copy the data from a production site to a remote location. Which feature has a minimal impact on application response time?

- A. Metro Mirror
- B. Metro/Global Mirror
- C. Global Mirror
- D. FlashCopy

Answer: C

QUESTION 55

A customer purchased high-performance application servers. Which IBM storage product provides high availability, scalability, and consolidated storage for these servers?

- A. IBM DS4200
- B. IBM Expandable Storage Plus 320
- C. IBM N7800
- D. IBM DS3300

Answer: C

QUESTION 56

A customer's N series system is currently configured to provide client access using one security domain. The customer wants to change the configuration so that different groups of CIFS users are in different domains. Which N series feature meets this customer's needs?

- A. Active Directory
- B. SnapVault
- C. MultiStore
- D. MultiPath

Answer: C

QUESTION 57

A customer has N7000 storage systems and currently manages their storage systems from multiple sites. To make the management job easier, they are considering a more integrated management approach that is also web-based. Which N series management software provides the capability to monitor and manage IBM N series storage systems from a single location?

- A. TotalStorage Productivity Center
- B. Operations Manager
- C. Appliance Manager
- D. Protection Manager

Answer: B

QUESTION 58

A customer has a dual fabric SAN, each containing a single b-type switch, with the following configurations:

-Switch A -Switch B

defined: cfg1defined: cfg1

Zone1: ali1;ali2Zone2: aliY;aliZ

effective: Noneeffective: cfg1

What statement is true about the result of both switches connecting via an ISL?

- A. The result is Fabric Segments, due to a Zone Conflict content mismatch on the zoning database.
- B. The result is Clean Merge; Switch B's hardware configuration will propagate to

Switch A.

C. The result is a Clean Merge; the new configuration will be a composite of the two.

D. The result is Fabric Segments, due to a Zone Conflict mismatch on the zoning database.

Answer: C

QUESTION 59

A customer's site experiences a loss of connectivity directly to its N5500. Which tool provides alternate access?

A. TELNET

B. FTP

C. HTTP

D. RLM

Answer: D

QUESTION 60

A customer has four AIX partitions that require a SAN. The disk subsystem must replicate to a remote site via an IP network. Each site has two Cisco 9216A switches (2062-D1A) with a single 16 Fibre Channel line card installed. What must be added to each switch to meet the IP requirement?

A. a Multiprotocol Services Module with FCIP activation

B. a Storage Services Module

C. a 16-port Fibre Channel line card

D. FCIP activation on the existing 16-port line card

Answer: A

QUESTION 61

A customer's SAN infrastructure consists of a Cisco MDS 9500 director. The customer recently purchased 1,000 IBM Intel blade servers. Due to scalability concerns, the new Intel blade servers were deployed in VSAN-11. The blade servers must access N5600 storage, but the IBM N5600 storage subsystem is connected in VSAN-10. What is the correct solution?

A. merge VSAN-10 and VSAN-11 into VSAN-12 on the MDS 9500 director

B. use Inter VSAN routing between VSAN-10 and VSAN-11 on the MDS 9500 director

C. use VSANs, LSANs, and FCIP routing

D. use iFCP routing with an IBM SAN04M-R multi-protocol SAN router

Answer: B

QUESTION 62

Government regulations require your customer to provide offsite data replication. They currently have a DS8100 in their primary datacenter and use FlashCopy for TSM backups. They have a dual core SAN topology using IBM 2109-M48 directors that have several open blade slots. Their secondary site is 2500 miles away. What must the customer do to meet this regulation at the lowest cost?

- A. install an N series stretch MetroCluster configuration with Dark Fiber DWDM
- B. install an IBM SVC at each location; configure a SAN and IBM DS4800 at the secondary location and add router blades to each SAN location; implement Global Mirroring
- C. use Tivoli Storage Manager (TSM) to back up all the data, ship tapes to the secondary site and restore the data using a duplicate copy of the TSM database
- D. configure the secondary site with the same equipment as the primary, add router blades to the SAN switches and implement Global Mirroring

Answer: D

QUESTION 63

A customer needs to access an IBM DS8300 and an EMC DMX from an IBM pSeries server with AIX 5.3. Which multi-path driver combination provides this support?

- A. SecurePath and PowerPath
- B. SecurePath and SDD
- C. PowerPath and RDAC
- D. SDD and PowerPath

Answer: D

QUESTION 64

A customer wants to recover their database volumes to a point in time. Which N series feature(s) would accomplish this?

- A. SnapMirror
- B. MetroCluster and SnapRestore
- C. Snapshot and SnapRestore
- D. SnapSched and SnapRestore

Answer: C

QUESTION 65

Which product supports both Fibre Channel and FICON?

- A. IBM SAN16M-R SAN Router (2027-R16)
- B. IBM SAN18B-R SAN Router (2005-B18)
- C. Cisco MDS 9020 Switch (2061-420)

D. IBM SAN32B-2 Switch (2005-B32)

Answer: B

QUESTION 66

Which SAN capability allows merging of four Inter-Switch Links (ISLs) logically into a single link using IBM b-Type directors?

- A. FSPF
- B. IOD
- C. routing
- D. trunking

Answer: D

QUESTION 67

A customer is transitioning from a DAS environment to a SAN. The customer wants to consolidate its current block level and file I/O environments to a single platform. What allows you to inventory the current environment to properly design a system and schedule a solutions assurance?

- A. Capacity Magic
- B. N series SAPR Guide & Checklist
- C. NAS Interoperability Matrix
- D. Disk Magic

Answer: B

QUESTION 68

Which optional software can help a large SMB client to consolidate their direct-attached Windows, Linux or UNIX file servers onto a single storage system?

- A. SnapMirror
- B. FlexClone
- C. MultiStore
- D. MetroCluster

Answer: C

QUESTION 69

Which IBM N series licensed feature integrates SnapLock and SnapVault technologies to create a solution specifically designed to address compliance requirements for unstructured data?

- A. SnapRestore
- B. LockVault

- C. MultiStore
- D. FlexClone

Answer: B

QUESTION 70

A customer has LAN-based applications and wants Block I/O level access to SAN storage. The customer does not want to pay the expense required for Fibre Channel HBAs, but would like to utilize its LAN. Which protocol allows the customer to do this?

- A. iSCSI
- B. FCIP
- C. iFCP
- D. FCP

Answer: A

QUESTION 71

A customer runs an N3600 single controller basic configuration with 10 TB of capacity. Recently, the number of UNIX servers with Fiber Channel adapters has doubled. Users are complaining about poor performance and availability due to unplanned maintenance outages. In order to address performance bottlenecks and high availability, which solution is recommended?

- A. install an additional FC HBA in the server and disk drives to the N3600
- B. upgrade the N3600 to an N3700 and install additional disk drives
- C. install a second controller and additional disk drives to the N3600
- D. install additional FC cards and disk drives into the N3600

Answer: C

QUESTION 72

What makes Data ONTAP less susceptible to software hacking than other operating systems?

- A. It is based on a secure UNIX kernel.
- B. It is based on a Windows OS.
- C. It uses role-based security authentication.
- D. It uses Kerberos and CHAP.

Answer: A

QUESTION 73

What ensures optimal network performance using 2005-R18?

- A. selective traffic

- B. buffer size
- C. redundant path
- D. large windows size

Answer: D

QUESTION 74

A typical customer environment has the following protocols: CIFS, NFS, HTTP, FTP, iSCSI, and FCP. Which device will provide heterogeneous data access in this environment?

- A. DS4800
- B. DS3300
- C. N7600
- D. X3650

Answer: C

QUESTION 75

A customer has two sites located several kilometers apart. The customer has both a high-speed Internet link and dark fiber between the sites. The customer wants to utilize storage resources at either site, such as MetroCluster and Metro Mirroring for disaster recovery implementations. The customer wants to link these two sites together. Which solution provides the highest performance and is most reliable?

- A. PPRC and SyncMirror
- B. DWDM or CWDM pipe
- C. FCIP router
- D. iFCP router

Answer: B

QUESTION 76

A customer's SAN infrastructure consists of a Cisco MDS 9500 director. The customer recently purchased 1,000 IBM Intel blade servers. Due to scalability concerns, the new Intel blade servers were deployed in VSAN-11. The blade servers must access N5600 storage, but the IBM N5600 storage subsystem is connected in VSAN-10. What is the correct solution?

- A. use VSANs, LSANs, and FCIP routing
- B. merge VSAN-10 and VSAN-11 into VSAN-12 on the MDS 9500 director
- C. use iFCP routing with an IBM SAN04M-R multi-protocol SAN router
- D. use Inter VSAN routing between VSAN-10 and VSAN-11 on the MDS 9500 director

Answer: D

QUESTION 77

Which file system do Data ONTAP N series products use?

- A. CIFS
- B. JFS2
- C. NFS
- D. WAFL

Answer: D

QUESTION 78

A vendor is creating a clustered, virtualized N series solution for a customer using MultiStore. How many virtual storage systems (vFilers) can be created on each node of a cluster?

- A. 10
- B. 33
- C. 128
- D. 255

Answer: B

QUESTION 79

In conforming to the SMI-S standard, which tool lists the logical points where metrics are collected for multiple IBM systems?

- A. EFCM
- B. TPC
- C. RMC
- D. Disk Magic

Answer: B

QUESTION 80

A customer wants to implement VSANs on redundant Cisco Storage MDS 9509 directors (2062-D04) for its tape back-up solution. There will be three VSANs, one for each of the following:

- disk storage ports and the host ports that will access disk (VSAN 1)
- host ports to access tape drives (VSAN 2)
- tape connections (VSAN 3)

Which IVR topology is best used to enable Inter-VSAN zones?

- A. establish IVR between VSANs 1 and 2
- B. establish IVR between VSANs 2 and 3
- C. establish IVR between VSANs 1 and 3
- D. enable IVR in automatic mode

Answer: B

QUESTION 81

What is the maximum number of LUNs that are supported with the IBM System Storage N3600?

- A. 1024
- B. 256
- C. 2048
- D. 512

Answer: A

QUESTION 82

What is the minimum root volume size for an IBM N5200?

- A. 12 GB
- B. 16 GB
- C. 10 GB
- D. 8 GB

Answer: A

QUESTION 83

A customer's data center has two fabrics. Each fabric has eight IBM b-type switches and directors. The customer complains that all servers are too slow. What is the cause of this problem?

- A. network protocols
- B. oversubscription ratio
- C. core edge design
- D. disk size

Answer: B

QUESTION 84

A customer has heterogeneous storage subsystems (IBM DS4700, EMC CX700, HDS 9980V, and IBM N5500). Mirroring across the devices is mandatory because of disaster recovery requirements. Which IBM solution meets this customer's needs?

- A. Volume Copy on DS4800
- B. SnapMirror on N series 5300-A10
- C. Metro Mirror on SAN Volume Controller
- D. Peer-to-Peer Remote Copy on DS8000

Answer: C

QUESTION 85

A customer is planning a new SAN infrastructure as part of a data center consolidation project at a remote campus site. In the main building, there are:

- two HP-UX servers, each with four HBAs
- one IBM DS8300 with three Host Adapter interfaces

An IBM TS3500 tape library with six LTO-3 tape drives is located in another building with a 550-meter cable run. The time for tape backup operations must be kept to a minimum so all drives will be utilized at the same time by multiple clients. One Cisco MDS 9509 director will be located in the main building and a Cisco 9216 switch will be located with the tape drives.

How many additional short-wave and long-wave SFPs need to be ordered?

- A. 102 short wave SFPs and 0 long wave SFPs
- B. 50 short wave SFPs and 100 long wave SFPs
- C. 100 short wave SFPs and 0 long wave SFPs
- D. 96 short wave SFPs and 4 long wave SFPs

Answer: D

QUESTION 86

What is the maximum number of physical Ethernet interfaces allowed on an N series storage system to configure a vif?

- A. 8
- B. 12
- C. 16
- D. 4

Answer: C

QUESTION 87

A customer currently has 50 clients connecting to an N series using NFS. The customer wants to add another 45 Windows clients using CIFS. The customer wants to baseline its current performance and workload before adding these additional clients. Which command should be executed on the N series?

- A. sysstat
- B. vmstat
- C. topaz
- D. iostat

Answer: A

QUESTION 88

A customer has two fabrics in two locations that are 10 kilometers apart. The customer needs an FC connection from a server in location 1 to a storage system in location 2. Without merging the fabric, which solution would you recommend?

- A. connect the two fabrics using IBM TotalStorage SAN18-R routers
- B. connect the two fabrics using IBM SAN32B-2 switches
- C. connect the two fabrics using DWDMs
- D. connect the two fabrics using CWDMs

Answer: A

QUESTION 89

A customer wants LAN-free and server-free backups. This customer plans to offload storage processing from servers and move this function onto an independent network. Which solution best meets this customer's needs?

- A. Storage Area Network (SAN)
- B. Direct Attached Storage (DAS)
- C. Internet SCSI (iSCSI)
- D. Network Attached Storage (NAS)

Answer: A

QUESTION 90

What is the minimum root volume size for an IBM N5500?

- A. 40 GB
- B. 10 GB
- C. 12 GB
- D. 8 GB

Answer: A

QUESTION 91

What is the maximum number of ISLs allowed per fabric, for the IBM System Storage N series fabric MetroCluster configuration?

- A. 7
- B. 3
- C. 5
- D. 1

Answer: D

QUESTION 92

A customer has two sites equipped with N series systems. The locations are connected via a virtual network over the Internet. The customer wants a data replication solution for the N series systems and they need to limit the bandwidth of the data replication. Which N series feature meets this customer's needs?

- A. SnapVault
- B. SnapManager
- C. SnapMover
- D. SnapMirror

Answer: D

QUESTION 93

A customer wants to implement TCP/IP offload engines. Which protocol best benefits from this technology?

- A. iSCSI
- B. FCIP
- C. NFS
- D. FICON

Answer: A

QUESTION 94

A customer is deploying a solution that includes several new IBM SAN Volume Controller (SVC) clusters and several IBM DS8100s. There will be 700 attached hosts. The customer wants a "five-nines" design that simplifies management complexity. Which design achieves the customer's goal?

- A. deploy a single large Cisco core, with large Cisco edge switches; use Cisco VSANs to separate the two "fabrics" for reliability
- B. set up four fabrics; isolate the storage on one pair of fault-tolerant fabrics for reliability, and attach the hosts and SVC nodes on another pair; use a storage router to connect the two pairs
- C. deploy dual fabrics; attach the SVC and storage to a core switch; use 256-port director for all switches in the fabric
- D. deploy dual fabrics, each consisting of a single IBM SAN256M core, and re-use the existing Brocade 32-port edge switches to conserve cost

Answer: C

QUESTION 95

Which Windows Host software is required to attach to an N series using iSCSI?

- A. NFS

- B. Microsoft Initiator
- C. iSCSI support kit
- D. iSCSI Windows host utility

Answer: B

QUESTION 96

How does the RLM provide a secure connection?

- A. using a dedicated 10/100 Mbps Ethernet interface and SSH client login
- B. using one of the on-board Gigbit Ethernet interfaces on the N series storage system and SSH client login
- C. using a modem and dial-up connection
- D. using a dedicated Gigbit Ethernet interface on the storage system and RSH client login

Answer: A

QUESTION 97

Host mapping can be performed at what level?

- A. HBA
- B. Initiator
- C. OS
- D. Storage Subsystem

Answer: D

QUESTION 98

A company needs additional storage for a block I/O based database application. The application has low I/O bandwidth requirements. The customer has an extensive TCP/IP infrastructure and is interested in low-cost products that are compatible with its environment. Which technology is most appropriate for this customer?

- A. Internet SCSI (iSCSI)
- B. Network File System (NFS)
- C. Fibre Channel over IP (FCIP)
- D. Storage Area Network (SAN)

Answer: A

QUESTION 99

A customer has an IBM TSM backup solution. The AIX server has two HBAs and uses an IBM TS3500 LTO tape library and DS4800 storage. The customer is experiencing backup failures due to link loss conditions with the tape drive. Which procedure should prevent these backup failures?

- A. add HBAs to the server and add separate tape and disk LUN masking
- B. add HBAs to the server and add separate tape and disk zones
- C. separate the HBAs in the server to minimize optical crosstalk
- D. upgrade the TSM server to support Server-Free backup

Answer: B

QUESTION 100

A customer is using CIFS and NFS protocols for file sharing. What happens when one of the clustered nodes in a dual-head N series storage system fails?

- A. All writes on the node with the failed NVRAM are written through.
- B. The failing node automatically fails over to its partner storage system node to serve data.
- C. The storage system notifies the administrator to power off the failing node so that a forced takeover is done by the other node.
- D. The storage system notifies the administrator to issue a CF takeover command so that activity fails over to the other node.

Answer: B

QUESTION 101

A customer has IBM Lotus Domino mail files on N series volumes. These mail files include mission critical data. What is the recommended RAID level for the N series?

- A. RAID 0
- B. RAID DP
- C. RAID 4
- D. RAID 5

Answer: B

QUESTION 102

Which N series file explicitly connects Microsoft Windows users to the correct UNIX account, and UNIX users to the correct Microsoft Windows account on an N series system?

- A. /etc/domain.cfg
- B. /etc/smbuser.cfg
- C. /etc/usermap.cfg
- D. /etc/hosts

Answer: C

QUESTION 103

A customer bought a clustered N series N7600 system. The customer is using MultiStore

and SnapMover for virtual storage partitioning to maintain separation from every other storage partition. The customer wants to migrate ownership of the virtual filer from one clustered filer to another clustered filer. How should you migrate the vFiler?

- A. FlexClone the vFiler
- B. use the built-in capabilities of N series to migrate the data
- C. SnapVault the vFiler onto the other filer
- D. Snapshot the vFiler and SnapRestore onto the other filer

Answer: B

QUESTION 104

In a customer environment, the high-end UNIX servers access N5600 storage via FC SAN, and the 100+ Windows Vista clients have dedicated local storage. Scalability for the high-end servers is not an issue, but there is a strong need to allocate additional storage for the Windows Vista clients. Considering scalability, flexibility, and cost, which solution meets the customer requirements?

- A. install a NFS license and configure the UNIX servers to provide access to the N5600 Storage via NFS
- B. connect the N5600 to the LAN, install a CIFS license, and configure the Windows Vista clients to access N5600 Storage via CIFS
- C. connect the N5600 to the LAN, install a NFS license, and configure the Windows Vista clients to access N5600 Storage via NFS
- D. install iSCSI HBAs in the Windows Vista clients, and an iSCSI Gateway plus in the DS4700

Answer: B

QUESTION 105

On N series, which function allows for repeated overwrites of data to make data physically unrecoverable?

- A. Disk Sanitization
- B. SnapLock
- C. LockVault
- D. Disk Reorganization

Answer: A

QUESTION 106

An N series MetroCluster provides redundant data storage. Which N series software feature is responsible within the MetroCluster solution for the redundant data?

- A. SyncMirror
- B. SnapMover

- C. SnapMirror sync
- D. SnapMirror async

Answer: A

QUESTION 107

A customer has an existing SAN Storage infrastructure. The customer has added some hosts that require CIFS or NFS access to storage. Which IBM product meets this host requirement and still uses the current SAN storage infrastructure?

- A. IBM N series Filer
- B. IBM SVC
- C. IBM N series Gateway
- D. DS4800

Answer: C

QUESTION 108

How is the optional SnapMirror software feature for the IBM N series product licensed?

- A. one time charge (OTC) per enterprise
- B. one time charge (OTC) per subsystem
- C. tier-priced based on capacity
- D. tier-priced based on number of users

Answer: B

QUESTION 109

Which command within Data ONTAP examines the performance on an N series system?

- A. SysNMON
- B. PerfMon
- C. sysstat
- D. iostat

Answer: C

QUESTION 110

A customer has a clustered N series storage system: Node A and Node B. Node A is rebooted. Which node(s) sends an autosupport message to the local administrator?

- A. Neither send an alert
- B. Node B only
- C. both Node A and Node B
- D. Node A only

Answer: C

QUESTION 111

Which feature is NOT supported on an N series gateway?

- A. Synchronous SnapMirror
- B. Flexible Volumes
- C. SnapMirror
- D. SnapLock Compliance

Answer: D

QUESTION 112

A customer has requirements to implement standard active/active configurations using the N5600 system to provide redundancy for the path from each controller to every disk shelf in the configuration. Which solution meets the requirements for multi-path storage?

- A. Both nodes use system-assigned disk ownership, have at least one Fibre Channel port for each controller for each loop in the configuration, and cable all loops for multipath storage.
- B. Both nodes must use the same type of disk ownership and make sure there are enough on-board Fibre Channel ports or HBAs to accommodate the extra cables required for multipath storage.
- C. Both nodes use software-based disk ownership, have two Fibre Channel ports for each controller for each loop in the configuration, and all loops are cabled for multipath storage.
- D. Each node can use its default disk ownership as long as it has two Fibre Channel ports for each controller for each loop in the configuration, and all loops are cabled for multipath storage.

Answer: C

QUESTION 113

A customer wants to use the existing hardware and IP network when using the IBM System Storage N series. What is the least expensive way of connecting a Microsoft Windows host?

- A. HTTP
- B. NDMP
- C. NFS
- D. iSCSI

Answer: D

QUESTION 114

For remote troubleshooting, what needs to be configured on an N7000 system?

- A. Remote LAN Module (RLM)
- B. single image mode
- C. Remote Management Server information
- D. IP address of the N7000 system

Answer: A

QUESTION 115

A customer wants to verify that an iSCSI LUN created on an N3300 is now visible from the Windows host. Which step allows the customer to display the newly mapped LUN?

- A. from a command prompt, issue the command: sanlun lun show all
- B. from Windows Disk Management, rescan and verify that the LUN is visible
- C. from Windows Management, select the lun stats option and verify that the LUN is visible
- D. from a command prompt, issue the command: lun show

Answer: B

QUESTION 116

In an N series environment, according to best practice, what is the minimum number of drives needed for system overhead?

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

Answer: B

QUESTION 117

A customer has two SANs installed. Side A is a Brocade-based fabric, and Side B is a McData-based fabric. The customer wants to merge both fabrics. What should the customer do to accomplish this?

- A. leave the Default Zone set to enabled and configure port-based zoning
- B. use Open Trunking and modify the Domain ID range to 1-239
- C. enable Interop mode and modify the Domain ID range to 97-127
- D. disable Interop mode because Brocade and McData are compatible by default

Answer: C

QUESTION 118

Which high data availability feature is used by an N5000 MetroCluster on an N series gateway with IBM-attached storage?

- A. Remote Copy
- B. FlexClone
- C. SyncMirror
- D. Concurrent Copy

Answer: C

QUESTION 119

A customer has a clustered N series system. An active N series storage system is rebooted in takeover mode. Which statement is true about the number of Autosupport notification messages that are sent in this situation?

- A. Two are sent. The active N series storage system sends one Autosupport and the failed N series storage system sends the other Autosupport.
- B. Two are sent. The active N series storage system sends two Autosupports; one Autosupport on behalf of the failed system.
- C. One is sent. The active N series storage system sends one Autosupport on behalf of the failed N series storage system.
- D. One is sent. The active N series storage system sends one Autosupport because the cluster is in takeover mode.

Answer: A

QUESTION 120

A customer has a Microsoft Windows 2003 server that is attached to a SAN fabric via redundant Fibre Channel HBAs to an IBM DS4700. The server needs to attach to an IBM DS8300 through the same fabric. RDAC is currently being used on the server. Redundancy is the highest priority for each connection. How many Fibre Channel HBAs are required in the server to maintain redundancy for each disk subsystem connection?

- A. 2; one adapter running RDAC and one adapter running SDD
- B. 4; two adapters for RDAC and two adapters for SDD
- C. 3; SDD runs on one adapter, RDAC runs on one adapter, and both are loaded onto the third for failover
- D. 2; both drivers can run simultaneously on the same adapter

Answer: B

QUESTION 121

A customer purchased a new N5600 storage system. How do you assign a static IP address on this machine?

- A. connect to the N5600 console port and perform a basic setup
- B. from the Loader Prompt, run the setup command
- C. perform a Netboot to upload Data ONTAP
- D. download the N5600 FilerView software to your local system and run N series discovery

Answer: A

QUESTION 122

Which product supports NDMP to enable backup and restore operations in which data flows directly between the tape drive and the NAS appliance?

- A. IBM Tivoli Storage Manager Extended Edition
- B. IBM TotalStorage Productivity Center for Data
- C. Veritas Backup-exec V. 9.0 for Microsoft Windows Servers
- D. IBM Tivoli Storage Manager For Storage Area Networks

Answer: A

QUESTION 123

Government regulations require your customer to provide offsite data replication. They currently have a DS8100 in their primary datacenter and use FlashCopy for TSM backups. They have a dual core SAN topology using IBM 2109-M48 directors that have several open blade slots. Their secondary site is 2500 miles away. What must the customer do to meet this regulation at the lowest cost?

- A. use Tivoli Storage Manager (TSM) to back up all the data, ship tapes to the secondary site and restore the data using a duplicate copy of the TSM database
- B. install an IBM SVC at each location; configure a SAN and IBM DS4800 at the secondary location and add router blades to each SAN location; implement Global Mirroring
- C. install an N series stretch MetroCluster configuration with Dark Fiber DWDM
- D. configure the secondary site with the same equipment as the primary, add router blades to the SAN switches and implement Global Mirroring

Answer: D

QUESTION 124

A customer unpacked an N7000 cluster system and is ready to perform initial installation. The customer wants to verify that the NVRAM card is installed in the correct slot. Which slot is correct?

- A. NVRAM6 in slot 1
- B. NVRAM6 in slot 2
- C. NVRAM5 in slot 2
- D. NVRAM5 in slot 1

Answer: A

QUESTION 125

A customer's System p server is running AIX 5L V5.3 on a DS8300. Additionally, a critical DB2 database runs on this system. Which driver provides multi-path failover and high availability?

- A. AIX MPIO
- B. RDAC
- C. PowerPath
- D. SDDPCM

Answer: D

QUESTION 126

A customer is looking for a solution that delivers comprehensive monitoring and management for N series enterprise storage. The customer needs a central point of control to manage alerts, reports, and configuration tools to keep its storage infrastructure in line with business requirements. The customer also wants maximum availability and reduced total cost of ownership. Which solution is most appropriate?

- A. IBM Director
- B. IBM Tivoli Storage Manager
- C. Operations Manager
- D. IBM Tivoli Productivity Center for NAS

Answer: C

QUESTION 127

A customer wants to use the existing hardware and IP network when using the IBM System Storage N series. What is the least expensive way of connecting a Microsoft Windows host?

- A. HTTP
- B. NFS
- C. NDMP
- D. iSCSI

Answer: D

QUESTION 128

A small company's IT staff wants to start a storage networking infrastructure using an N3700. The staff does not want to purchase any SAN equipment. The two Microsoft Exchange 2003 Servers should use common data storage. Which protocol should the staff use to connect the server to the N series?

- A. iSCSI
- B. CIFS
- C. FCP
- D. NFS

Answer: A

QUESTION 129

A customer brought on new staff personnel who are new to N series devices. The customer wants notification of any configuration inconsistencies on any of the new N series installations the staff performs. Which feature meets this customer's needs?

- A. Operations Manager
- B. SNMP alert
- C. AutoSupport
- D. RemoteLanSupport

Answer: C

QUESTION 130

How do you spread the NFS traffic workload across network interfaces on the N series?

- A. NFS traffic can only be balanced with an N series cluster.
- B. You attach multiple interfaces on the storage system to the same physical network to balance network traffic across different interfaces.
- C. You assign protocols such as CIFS and NFS to designated network interfaces on the storage system to the same physical network to balance network traffic across different interfaces.
- D. You use NFS V2, NFS V3, and NFS V4 in parallel on the storage system to the same physical network to balance network traffic across different interfaces.

Answer: B

QUESTION 131

A customer wants to configure eight Windows hosts, 12 AIX hosts, and four Linux hosts with a DS4700 with two ports and a tape library with eight TS1040 drives. How many ports are required for minimum port redundancy in this configuration?

- A. 114
- B. 96
- C. 48
- D. 106

Answer: D

QUESTION 132

A customer needs to consolidate 500 TB of data that is located on several enterprise servers with Direct Attached Storage (DAS). The servers are located within the same data center. The customer needs the highest throughput and reliability possible and is looking to consolidate the environment. Which approach best meets this customer's needs?

- A. consolidate all DAS storage to an IBM DS8300, install a SAN, and connect to the existing servers using FCP
- B. consolidate all DAS storage to an IBM N7800-G20 with a DS8300 and use iSCSI connections and the existing WAN to provide server connectivity
- C. consolidate all DAS storage to an IBM N7600 and use iSCSI connections and the existing WAN to provide server connectivity
- D. consolidate all DAS storage to an IBM DS4800, install a SAN, and connect to the existing servers using FCP

Answer: A

QUESTION 133

A customer has a SAN that consists of a 1 Gb fabric serving 13 hosts and two IBM DS4700 storage subsystems. The customer wants to upgrade the fabric to 4 Gb and add 35 new servers with dual-path connectivity. The customer forecasts a 30% server growth rate. Which fabric option provides the greatest flexibility?

- A. two IBM SAN64B-2
- B. six IBM SAN16B-2 with ISLs
- C. two IBM SAN256B
- D. six IBM SAN32B-2 with ISLs

Answer: C

QUESTION 134

A customer is considering the use of a file server to store large circuit designs for its design engineering users. The customer currently has 50 TBs of direct-attached storage and projects a 20% growth over the next year. The users are geographically dispersed and when they update their designs, they experience application lag. The workstations used include UNIX, Linux, and Microsoft Windows. Which IBM model meets the storage requirements?

- A. IBM N5600
- B. IBM N3300
- C. IBM DS3300
- D. IBM System x3650 NAS

Answer: A

QUESTION 135

A customer wants to implement new SAN32B-2 (2005-B32) switches in a high-availability environment. To ensure high-availability, what must be verified during the solution design phase?

- A. that the two power supplies are connected to the two independent power sources
- B. the location of the switch in the data center
- C. that the proper firmware levels are activated
- D. that there is ample space between physical components in the racks

Answer: A

QUESTION 136

A customer has a SAN that consists of more than 200 fabric-attached hosts, 25 fabric-attached N series systems, and eight SAN switches. Which solution can discover, monitor, and manage the storage appliances from a single location?

- A. IBM Tivoli NetView
- B. IBM TotalStorage Productivity Center for Fabric
- C. FilerView
- D. DataFabric Manager

Answer: D

QUESTION 137

What is the maximum number of snapshots allowed for a volume on an IBM N5600?

- A. 555
- B. 155
- C. 55
- D. 255

Answer: D

QUESTION 138

What creates a secure FC Fabric?

- A. digital certificates and signatures, multi-layer password protection, strong password encryption, PKI-based authentication, and 128-bit encryption used for digital signatures
- B. analog certificates and fingerprint signatures, multi-layer password protection, a password database, PKG-based authentication, and 128-bit encryption used for digital signatures
- C. encapsulated block I/O using anti-virus products to secure the flow of data across the Internet and intranets, independent of network protocol and transport
- D. network logging and filtering, and a network analytic server for analysis of repetitive signatures that might represent an intrusion trend

Answer: A