Vendor: IBM

Exam Code: C4090-451

Exam Name: IBM Midrange Storage Technical Support V3

Version: Demo

QUESTION 1
A potential storage customer has a large VMware environment which is managed by a small staf.They are looking at the IBM DCS3700 series storage with Dynamic Disk Pools.

Which of the following would allow the VMware administrators ease of management for Dynamic Disk Pools?

A. IBM DS Series vCenter Plug-In
B. Tivoli storage Productivity Center
C. Disk Magic
D. Tivoli Storage Manager

Answer: A

QUESTION 2
What is thin provisioning ?

A. a method for compressing data
B. a way of sharing data between tiers
C. ability to share a hot spare between RAID sets
D. a technique for oversubscribing physical storage

Answer: D

QUESTION 3
A hospital is looking for a file server on which to archive medical images.There are currently 100 TB of medical images and the archive is projected to grow 15% per year the hospital compliance department requires write locking (WORM) for some medical images and the hospital is looking to use compression and deduplication technologies to minimize the growth in physical disk space.

Which of the following devices meets the hospital's requirements?

A. Storwize V7000
B. Storwize V7000 Unified
C. DCS3700
D. N series 6000 filer

Answer: D

QUESTION 4
When migrating an HDISK on AIX LPAR via Storwize V7000 Image mode migration,Which HDISK property remains unchanged?

A. LUN number
B. HDISK number
C. PVID
D. UUID

Answer: C

QUESTION 5
A customer is preparing a fiber channel attached windows host system for Storwize V7000 image mode migration.

Which of the following sets of items need to be evaluated and/or upgraded?

A. FC host bus adapter card firmware,driver,and multipathing software B.
SAS host bus adapter card firmware,driver,and multipathing software C.
Ethernet network interface card firmware,driver,and system BIOS
D. OS patches,System firmware,and iSCSI multipathing software

Answer: A

QUESTION 6
During a requirements gathering exercise, a customer explains that their environment is synchronously
replicated between tow sites over a dedicated 1Gb link using standard Ethernet frame rates.

Based on the customer requirements,what is the maximum workload that fit within the bandwidth available ?

A. 70 MB/S
B. 100 MB/S
C. 150 MB/S
D. 300 MB/S

Answer: B

QUESTION 7
A customer has requirement to begin archiving data for a life cycle management initiative.the customer needs
to use software for archiving and retrieving the data,and magnetic tape library for long term retention.Some
data must be protected for being overwritten.Initially there will be 7 Tb of storage needed with a projected
growth of 2 Tb a year over the next two years.the technical specialist must develop a solution that will the
above needs.

What tool will the technical specialist use to configure the tape library and media to prepare a BOM (Bill of
materials) for this proposal?

A. eConfig
B. Techline
C. Tape Magic
D. Capacity Magic for Tape

Answer: A

QUESTION 8
A customer has a Storwize V7000 and they are interested in the deploying an expert integrated solution in a
second data center.They intend to replicate to the second data center and virtualize their external storage
products.

Which storage product will meet the requirements for the new site?

A. N6270
B. N3240
C. Flex System V7000
D. Storwize V3700

Answer: C

QUESTION 9
The SAN volume controller can provide access to existing LUN data, block for block, on a multitude of storage

arrays through which MDisk mode?

A. Image
B. Managed
C. Virtual
D. Unmanaged

Answer: A

QUESTION 10
A customer has aging EMC CX4-120 array nearing end of support for their Oracle team would like to take advantage of snapshot technology to improve their application development process.

Which N series software feature would benefit this customer the most?

A. SnapManager
B. SyncMirror
C. Snapvault
D. SnapValidator

Answer: A

QUESTION 11
A customer wants to consolidate multi-vendor servers and pool storage platforms.

Which of the following is a key differentiator of the PureFlex foundation?

A. FSM manages storage,databases and networks
B. FSM moves the networks management interface in to the operating system GUI
C. PureFlex captures expertise in the management approach with a single management interface for the compute,storage,and networking
D. PureFlex can ran Linux, AIX and Linux on System z with the same hardware minimizing the foot print and simplifying the number of consoles

Answer: C

QUESTION 12
A customer is looking to virtualize a storage system not listed on the interpretability matrix for the Storwize V7000.

what should The IBM technical specialist do on behalf of the customer to gain support?

A. Submit a TechXpress request
B. Submit a Support Line request
C. Submit a SCORE/RPQ request
D. Submit a CompleteCenter request

Answer: C

QUESTION 13
Which of the following is a feature of LTFS (Linear Tape File System) ?

A. accelerates sequential disk access by emulating LTO-5 tape streaming
B. provides file system access at the OS level too data stored in a tape media
C. creates a virtual tape library with de-duplication using disk storage

D. presents a single virtual tape cartridge from multiple physical tape cartridges

Answer: B

QUESTION 14
The Dynamic Disk Pool function in a DCS3700 requires what minimum number of disk drives?

A. 8
B. 10
C. 12
D. 24

Answer: C

QUESTION 15
A customer has Storwize V7000 with internal disk drives and a virtualized DS5300 controller unit with two disks expansions.The customer is expending their video surveillance archive storage capacity and this is adding a DCS3700 with 120 disk drives, all drawers full.

How many licenses for external virtualization should the Storwize V7000 show in the management GUI after virtualization DCS 3700?

A. 2
B. 3
C. 4
D. 5

Answer: D

QUESTION 16
A costumer has a mature oracle database solution built on older 146 GB 15k disk drives totaling 14 TB, but the actual database is only 3 TB. They want to refresh the existing database and add 8 TB of archival storage. With advances in technology IBM now offers a series of solutions. Cost is a consideration.

Which solution will offer the greatest increase in performance, reduction in rack space and power utilization?

A. PureFlex system
B. Storwize V3700 filled with SSDs
C. Storwize V7000 with 4TB drives and an IBM FlashSystem
D. SAN Volume controller virtualization and an IBM FlashSystem

Answer: C

QUESTION 17
A customer is asking for 18 TB of usable capacity for a new oracle database application that has a transaction rate in excess of 50,000 transaction per second. Their data center has limited power and cooling resources.

What is the best storage solutions to meet these requirements?

A. Storwize V3700
B. Storwize V7000
C. DCS3700
D. FlashSystem 820

Answer: D

QUESTION 18
A customer is planning for the implementation of a Storwize V7000 Unified system.

How many Fibre channel ports will be used by the Storwize V7000 Unified file modules?

A. 2
B. 4
C. 6
D. 8

Answer: B

QUESTION 19
During the TDA process which item is addressed?

A. Pricing
B. Noise levels
C. Power
D. Hot and Cold aisles

Answer: B

QUESTION 20
What product characteristic of the IBM flashsystem minimizes I/O bottlenecks?

A. IBM Variable stripe RAID technology
B. Integrated spare flash
C. Hot swappable flash modules
D. IBM microlatency

Answer: D

QUESTION 21
Which tool can be used to calculate the available tape capacity in a TS3310 configuration ?

A. IBM Batch magic
B. IBM tape slot calculator
C. IBM DS Capacity calculator
D. IBM ProtecTIER TS 7600 Planning tool

Answer: B

QUESTION 22
What is the maximum size LUN from an external disk array that the Storwize V7000 will recognize?

A. 1 PB
B. 2 TB
C. 256 TB
D. 2048 TB

Answer: A

QUESTION 23

The IBM TS3310 is a midrange LTO tape library.

What is the maximum number of LTO tape drives in a fully configured TS3310 ?

A. 22
B. 18
C. 12
D. 16

Answer: B

QUESTION 24
A customer currently has an EMC Celerra and wants to change to another manufacturer.

Which product should the technical specialist recommend to meet their requirements?

A. Storwize V3700
B. DCS3700
C. Storwize V7000
D. Storwize V7000 unified

Answer: D

QUESTION 25
An existing N series customer is running SnapMirror and SnapVault between production and their Disaster recovery site. Production sites A and B replicate to DR site C using snapMirror and SnapVault.
The customer is planning to add an additional N series to Production,and using SnapVault to backup to site C, however the N series on site C is near its currently configured limit for concurrent replication operations.

How would the customer increase the concurrent replication operations on the N series at Site C?

A. Enable MultiStore functionality on destination system
B. Enable the NearStore functionality on the destination system
C. there is no way of increasing the concurrent replication operations on IBM N series
D. Install additional HBAs and/or NICs on the destination system and configure via CLI

Answer: B

QUESTION 26
A customer has a need to support an operating system on an IBM storage platform that is not currently on the official supported list.

What should the IBM technical specialist do on behalf of the customer to gain this support?

A. Submit a SCORE/RPQ request
B. Submit a TechXpress request
C. Submit a support line request
D. Submit a competeCenter request

Answer: A

QUESTION 27
What type of data protection is used by the FlashSystem 810?

A. Disk Mirroring

B. Dynamic Disk Pooling
C. Variable Stripe RAID
D. RAID Dual Parity

Answer: C

QUESTION 28
Due to regulatory requirements in the insurance industry customer needs to backup using WORM.

Which product can accomplish this task?

A. DS3500 and SED
B. Storwize V7000 and SSD
C. TS3100 and LTO-6 tape
D. TS7620

Answer: C

QUESTION 29
A customer has IBM storage installed including a Storwize V7000 Unified. The customer would like to do long term performance monitoring of the Storwize V7000 Unified as well as their SAN environment.

What tool would the technical specialist recommend to accomplish this?

A. Disk Magic
B. Performance Center
C. Tivoli Storage Manager
D. Tivoli Storage Productivity Center

Answer: D

QUESTION 30
A customer has a VMware cluster composed of three X3650 M3 servers connected to a DS3200 disk array via SAS. The DS3200 has been declared "end of life" and needs to be replaced. The customer can not replace the SAS HBAs in the X3650 M3 servers at this time.

Which storage solution can be used to replace the DS3200 without replacing the SAS HBAs?

A. Storwize V3700
B. Storwize V7000
C. Storwize V7000 unified
D. N3000 series filer

Answer: A

QUESTION 31
Which N series software enables cost-effective, long-term retention of rapidly restorable disk -based backups ?

A. SnapMirror
B. SnapRestore
C. SnapVault
D. Snaplock

Answer: C

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