

# IBM

## Exam C4090-461

### IBM Midrange Storage Technical Support V4

Version: 6.0

[ Total Questions: 64 ]

**Question No : 1**

A customer wants to refresh its storage infrastructure for its VDI platform. The customer also wants to intermix existing work loads on the new platform. The VDI platform is extremely small (<2 TB) and the other work loads are not as intensive from a compute standpoint.

What is recommended for the VDI platform to provide optimum performance?

- A. Easy Tier using Nearline SAS drives
- B. SSDs for the other platforms and Nearline SAS for VDI
- C. SSDs for VDI and SAS drives for the other platforms
- D. Nearline SAS drives for both VDI and the other platforms

**Answer: D**

**Question No : 2**

A customer is currently running a mixed Windows and Unix environment with 100 TB capacity on EMC VNX. The customer wants to add an additional 200 TB of new disk capacity and also utilize existing VNX capacity. The customer does not require NAS capability and is interested in implementing FCoE into its environment.

Which solution meets the customer's needs?

- A. IBM Storwize V3700 with external virtualization
- B. DCS3700
- C. IBM Storwize V5000 with external virtualization
- D. IBM Spectrum Virtualize

**Answer: D**

**Question No : 3**

An IBM customer is considering more spinning disk for a new business analytics application. The IBM specialist is requested to provide information as to challenges that the customer might face and what other customers in the marketplace have implemented.

Which factor should provide best performance?

- A. Move of most accessed files to its own disk
- B. Implementation of solid state disk drives
- C. Increase the number of disks in storage array
- D. Implementation of flash technology

**Answer: B**

**Question No : 4**

A customer is looking for two new SAN Switches. A Business Partner suggested the Cisco MDS 9148 or IBM SAN48B-5.

Which key difference between these products should the storage specialist discuss with the customer?

- A. Cisco MDS 9148 supports USB for microcode upgradability
- B. IBM SAN48B-5 switches offer “ports on demand” scalability
- C. IBM SAN48B-5 supports optional 16 Gbps SFP+ connections
- D. Cisco MDS 9148 supports FICON attachment

**Answer: C**

**Question No : 5**

A customer routinely plans for outages to migrate data. The customer is looking for a storage solution where data can be migrated without taking an outage.

Which storage solution has this migration feature?

- A. IBM Storwize V7000
- B. IBM Spectrum Virtualize
- C. IBM Spectrum Control
- D. IBM ProtecTier

**Answer: B**

**Question No : 6**

A customer has a DS5100 at one site and an EMC VNX5100 at a second site. The customer requires a storage solution to manage pools of block storage across the different storage systems. It is critical that storage can be deployed from either storage pool without any outage of the attached host system. The customer also requires the ability to maintain a fully synchronized copy of data at a second site with very low latency between them.

Which solution should you recommend for this customer?

- A. Two IBM Storwize V3700s with Global Mirror
- B. Two IBM Storwize V7000s with Global Mirror
- C. Two IBM Storwize V3700s with Intra-Cluster
- D. Two IBM Storwize V7000s with Metro Mirror

**Answer: B**

**Question No : 7**

A customer requests that a sales specialist demonstrate the performance improvement that will be achieved on the Windows environment with a proposed IBM Storwize V7000 with Easy Tier.

Which type of Windows data should the sales specialist gather from the customer?

- A. Performance Monitor
- B. PT Reports
- C. iostat
- D. esxtop reports

**Answer: C**

**Question No : 8**

An existing IBM customer is required to reduce storage footprint in the data center due to decreasing budget for floor space. The customer has asked the IBM storage specialist for an option for a Fibre Channel connected storage system that will provide a large amount of a storage space in the smallest possible footprint.

Which storage system should the IBM specialist recommend?

- A. DCS3700

- B. DCS3860
- C. IBM Storwize V3700
- D. IBM Storwize V7000

**Answer: B**

**Question No : 9**

Which tool can be used to obtain an interactive image of Storwize system while using a mobile device?

- A. IBM 3D Product Catalog
- B. IBM Storage Solutions Handbook
- C. IBM Remote
- D. Quick Reference for IBM System Storage

**Answer: C**

**Question No : 10**

An existing IBM Storwize V7000 Unified customer wants to take advantage of the Active Cloud Engine in order to use tape as a tier.

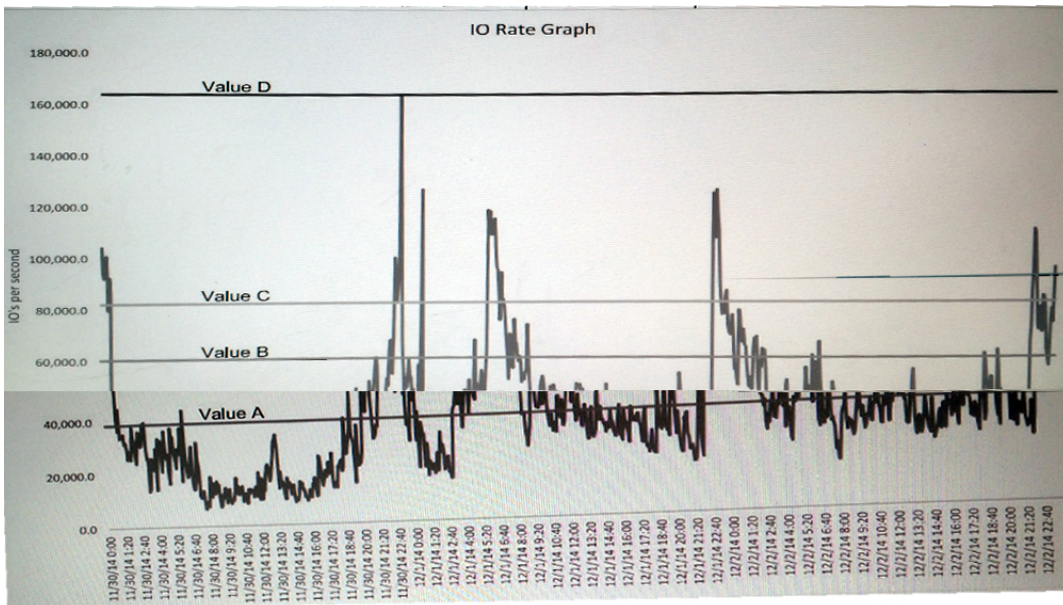
Which product is required to accomplish this?

- A. Tivoli Productivity Center
- B. IBM Virtual Storage Center
- C. IBM Spectrum Protect
- D. IBM SmartCloud Orchestrator

**Answer: D**

**Question No : 11**

A customer has provided I/O rate information on a current server installation as shown in the exhibit. The customer is concerned that the solution maintain or improve on the I/O performance.



Which initial value should be used as the minimum for the solution?

- A. Value D
- B. Value B
- C. Value A
- D. Value C

**Answer: D**

### Question No : 12

A customer has a mission-critical application that has a mixed workload of varying access demands. The performance is not meeting its business objective. The IBM Business Partner offered an IBM Storwize V7000 system with SSDs and HDDs.

Which license allows this customer to automatically move moderately used data to the HDDs?

- A. Flash Copy license
- B. Remote Mirror license
- C. Compression license
- D. Easy Tier license

**Answer: D**

**Question No : 13**

A potential customer is looking for a storage solution. The customer requires more than two I/O Groups and local HDD storage.

What is the best solution for this customer?

- A. IBM Storwize V7000
- B. IBM Storwize V3700
- C. IBM Storwize V5000
- D. IBM SAN Volume Controller

**Answer: C**

**Question No : 14**

Which resource provides the complete support matrix for a specific IBM storage system?

- A. SSIC
- B. SSCT
- C. PSAT
- D. COMP

**Answer: A**

**Question No : 15**

A customer has an existing Dell – EqualLogic PS6210E and is looking to leverage thin provisioning and Easy Tier on its existing storage.

Which IBM product best fulfills this requirement?

- A. TS3310 with IBM Spectrum Archive and IBM Spectrum Protect
- B. DCS3860 with Easy Tier license
- C. IBM Storwize V7000 with external virtualization license
- D. IBM Storwize V7000 with remote mirroring license

**Answer: C**

**Question No : 16**

A customer has a FlashSystem 840 installed with 12 TB of capacity (8 x 2 TB flash modules, RAID 5). The storage solution was purchased for a project that has now been completed and the customers plan is to install additional flash modules and deploy this device to a new project and has asked for you recommendations.

Which advice should be given to this customer?

- A. TheFlashSystem 840 is factory sealed and cannot be upgraded.
- B. TheFlashSystem 840 can support mixed capacity flash modules and the upgrade is data destructive.
- C. TheFlashSystem 840 supports only same capacity flash modules and the upgrade is data destructive.
- D. TheFlashSystem 840 can support mixed capacity flash modules and additional new capacity is automatically rebalanced and available on the system.

**Answer: D**

**Question No : 17**

A client wants to enlarge its existing IT infrastructure storage capacity by also reusing existing storage. The client is looking at the IBM Storwize family.

Which tool should be used to assist with justifying the acquisition?

- A. TCOnow!
- B. ROInow!
- C. IBM Storwize RAS Business Advantage Calculator
- D. IBM Business Value Accelerators

**Answer: B**

**Question No : 18**

What is a new protocol standard for provisioningstorage in a cloud environment?

- A. SNIA
- B. OpenPower
- C. OpenStack



D. LINUX

**Answer: D**

**Question No : 19**

A customer has an aging system with more than 400 TB of data and a significant portion of the data is redundant. The customer is currently missing its backup window and needs to conform with the SLAs.

Which IBM solution should you recommend?

- A. TS3310
- B. IBM Spectrum Archive
- C. TS7650G
- D. IBM Spectrum Protect

**Answer: A**

**Question No : 20**

A customer provides the information shown in the exhibit for the company's primary database environment. The customer believes that using Tier 0 (i.e. Flash or SSD) storage for database log volumes (“\_log” volumes) will improve performance.