

**C4090-460**

Number: C4090-460  
Passing Score: 800  
Time Limit: 120 min  
File Version: 4.0

**C4090-460**

**IBM Midrange Storage Sales V2**

A

### QUESTION 1

A customer has been adding NL-SAS Disk Drives to an existing storage system to meet increased demand. As the customer's data grows, the overall application performance decreases.

What is a possible reason for this phenomenon?

- A. The denser disks are increasing latency.
- B. The storage system is overflowing the buffer credits.
- C. The number of sequential read requests is too high.
- D. The storage cache is flushing data to the disks.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<https://community.emc.com/message/657821>)

### QUESTION 2

A CIO needs to reduce the time it takes to generate a business report for the billing application using flash technology. He is concerned with the IBM FlashSystem 840 scalability for his databases.

Which solution should the sales specialist recommend?

- A. IBM FlashSystem V840 with Real-time Compression
- B. IBM FlashSystem V840 with de-duplication
- C. IBM FlashSystem 840 with Real-time Compression
- D. IBM FlashSystem 840 Cluster

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/in/storage/flash/v840/overview.html>)

### QUESTION 3

A customer has a small IT staff and needs to optimize performance.

Which included function of the Storwize family is required for a customer to automatically manage storage performance with no administration overhead?

- A. IBM Easy Tier
- B. IBM Tivoli Storage Productivity Center
- C. IBM FlashCopy
- D. IBM Spectrum Control

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([http://www-01.ibm.com/support/knowledgecenter/HW213\\_7.5.0/com.ibm.storage.ssic.help.doc/ds8\\_modifye\\_t\\_uui74.html](http://www-01.ibm.com/support/knowledgecenter/HW213_7.5.0/com.ibm.storage.ssic.help.doc/ds8_modifye_t_uui74.html))

#### QUESTION 4

A customer with an IBM Power system is interested in moving from server internal disk to an IBM Storwize and V7000 wants to implement POWER HA and replication.

Which feature on the IBM Storwize V7000 is a requirement?

- A. Multiple I/O Groups
- B. vStorage APIs for Array Integration (VAAI)
- C. Global Mirror
- D. IBM Systems Director

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

(<https://www.ibm.com/developerworks/community/wikis/form/anonymous/api/wiki/52ff0dfb-6cb0-4ea4-bb93-427101360100/page/754f3cb7-7c3c-4d76-bc16-23157cf19e0c/attachment/1ad9cfc9-987e-479a-8087-a65b875b9735/media/2013PowerHASystemMirrorforIntro.pdf>.)

#### QUESTION 5

A customer is concerned that creating multiple copies of its databases for testing and development is using too much capacity.

Which Storwize family feature is recommended to create point in time copies with little capacity overhead?

- A. Thin provisioning
- B. FlashCopy

- C. Easy Tier
- D. Storage pools

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-01.ibm.com/support/knowledgecenter/STLM5A/com.ibm.storwize.v3700.710.doc/svc\\_flashcopy\\_ovr\\_20qlge.html](http://www-01.ibm.com/support/knowledgecenter/STLM5A/com.ibm.storwize.v3700.710.doc/svc_flashcopy_ovr_20qlge.html))

#### **QUESTION 6**

Which is the most appropriate IBM resource to contact for assistance with an IBM Storwize V7000 eConfig configuration?

- A. CompleteLine
- B. Techline/Partnerline
- C. Lab Services
- D. Support Line

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-935.ibm.com/services/us/en/it-services/technical-support-services/support-line-for-storage-products/>)

#### **QUESTION 7**

A customer has a growing VMware environment and is concerned about managing storage capacity utilization and growth.

Which IBM Storwize V7000 feature will address this customer's concern?1`

- A. Fibre Channel connectivity
- B. Real-time Compression
- C. Encryption
- D. Easy Tier

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-03.ibm.com/systems/in/storage/disk/storwize\\_v7000/](http://www-03.ibm.com/systems/in/storage/disk/storwize_v7000/))

#### QUESTION 8

Which IBM organization provides pre-sales technical support on configuration and technical questions?

- A. Compete Center
- B. Lab Services
- C. Techline/Partnerline
- D. Briefing Centers

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/stg\\_com\\_sys-techline-repository](https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/stg_com_sys-techline-repository))

#### QUESTION 9

Which IBM storage solution provides a powerful hardware platform with compression that can support the massive volumes of data created by today's demanding cloud and analytics applications?

- A. IBM Storwize V3700
- B. IBM DCS3700
- C. IBM FlasSystem 840
- D. IBM Storwize V7000

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

(<http://www.redbooks.ibm.com/technotes/tips1158.pdf>)

#### QUESTION 10

A customer has a need for a midrange storage solution that provides both block and file access and requires data space optimization for application volumes and files.

Which solution meets the customer's requirements?

- A. IBM Storwize V7000 Unified and ACE
- B. IBM Storwize V5000

- C. IBM Storwize V7000 Unified and Real-time Compression
- D. IBM Storwize V7000 Real-time Compression

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/in/storage/disk/midrange/>)

#### **QUESTION 11**

When discussing a storage architecture with a client, the storage sales person discovers the requirement for a high number of random IOPs.

Why did this occur?

- A. The process is supplying Geographic Information System (GIS) data.
- B. The server is providing streaming video.
- C. The application is writing to an active database.
- D. The system is used for performing full backup.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://recoverymonkey.org/2012/07/26/an-explanation-of-iops-and-latency/>)

#### **QUESTION 12**

Due to regulatory requirements, a healthcare customer must protect data transported to offsite vaulting from unwanted disclosure. The library must be capable of 8 different logical partitions.

Which tape library should be recommended?

- A. A TS3200 with LTO-6 tape drives
- B. A TS3100 with LTO-6 tape drives
- C. A TS2900 with LTO-6 tape drives
- D. A TS3310 with LTO-6 tape drives

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-01.ibm.com/common/ssi/cgi-bin/ssialias? subtype=ca&infotype=an&appname=iSource&supplier=877&letternum=ENUSZG12-0274](http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=ca&infotype=an&appname=iSource&supplier=877&letternum=ENUSZG12-0274))

**QUESTION 13**

The customer is looking for the lowest cost storage system to provide 10 TB of usable storage. The customer has requested a system with SAS host attached.

Which product should the storage sales specialist recommend?

- A. IBM Storwize V3700
- B. IBM Storwize V7000
- C. IBM SAN Volume Controller with internal storage
- D. IBM Storwize V7000 Unified

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([https://www-304.ibm.com/partnerworld/wps/servlet/download/DownloadServlet?id=uEDQaFUbIIZiPCA\\$cnt&attachmentName=vmware\\_vsphere\\_best\\_practices.pdf&token=M TQ0MDM4MDIzNTg3Mg==&locale=en\\_ALL\\_ZZ](https://www-304.ibm.com/partnerworld/wps/servlet/download/DownloadServlet?id=uEDQaFUbIIZiPCA$cnt&attachmentName=vmware_vsphere_best_practices.pdf&token=M TQ0MDM4MDIzNTg3Mg==&locale=en_ALL_ZZ))

**QUESTION 14**

Which sales enablement tool contains IBM's priority sales conversations as defined by IBM sales leaders?

- A. IBM Redpieces
- B. DiscussIT
- C. Know on the Go
- D. Sales Manual

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/svc\\_com\\_sof-know-on-the-go](https://www-304.ibm.com/partnerworld/wps/servlet/ContentHandler/svc_com_sof-know-on-the-go))

**QUESTION 15**

A customer wants to add storage to a mixed server environment and re-utilize the existing storage. The customer requires a single management interface of its storage environment and would like to add NAS functionality in the future.

Which IBM solution would provide the lowest acquisition cost for this customer?

- A. IBM Storwize V5000
- B. IBM Storwize V7000 Unified
- C. IBM Storwize V3700 with a NAS gateway
- D. IBM SAN Volume Controller with a NAS gateway

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([http://www-07.ibm.com/systems/au/dynamicinfrastructure/virtualisation/pdf/IBMSystemStorageSAN %20Volume%20ControllerEntry%20Edition.pdf](http://www-07.ibm.com/systems/au/dynamicinfrastructure/virtualisation/pdf/IBMSystemStorageSAN%20Volume%20ControllerEntry%20Edition.pdf))

#### **QUESTION 16**

Which midrange IBM disk solution supports data at rest encryption?

- A. DCS3860
- B. IBM Storwize V7000
- C. IBM Storwize V5000
- D. DCS3700

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([https://www.ibm.com/developerworks/community/blogs/InsideSystemStorage/entry/2014\\_storage\\_announcements\\_for\\_october\\_6?lang=en](https://www.ibm.com/developerworks/community/blogs/InsideSystemStorage/entry/2014_storage_announcements_for_october_6?lang=en))

#### **QUESTION 17**

A customer has an established IBM Storwize V7000 Storage environment. A new business requirement has been received that requires data to be archived and available on a cost effective disk solution. The plan is to virtualize this additional archive storage capacity behind one of the IBM Storwize V7000 storage systems already in the production environment.

Which product should you recommend to this customer to meet the new business requirement?

- A. DCS3700 with 6 GB Serial Attached SCSI (SAS) Host adapter
- B. DCS3860 with 6 GB Fibre Channel (FC) Host adapter
- C. DCS3700 with 8 GB Fibre Channel (FC) Host adapter



D. DCS3860 with 6 GB Serial Attached SCSI (SAS) Host adapter

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=an&subtype=ca&appname=g pateam&supplier=897&letternum=ENUS115-041>)

#### **QUESTION 18**

During which phase should a Technical and Delivery Assessment (TDA) be conducted for determining power cord configuration?

- A. Post-sale
- B. Pre-sale
- C. Post-install
- D. Pre-install

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-304.ibm.com/services/weblectures/dlv/partnerworld/online/ltu28441/p595%20sapr %20guide.doc](http://www-304.ibm.com/services/weblectures/dlv/partnerworld/online/ltu28441/p595%20sapr%20guide.doc))

#### **QUESTION 19**

How does the IBM Software Defined Storage (SDS) deliver a new generation of overall efficiency and analytics?

- A. By improving the time to data with FlashSystem 840
- B. By getting deeper insights for client accounting
- C. By utilizing virtualization and an ESS
- D. By driving up data value and lowering data cost

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/in/storage/software-defined-storage/>)

#### **QUESTION 20**

A customer with existing TS3100 Tape Library has a need to add an additional LTO-6 half-height drive. The customer has LTO-4 media.

Which access level will the LTO-6 drive provide for this customer?

- A. The customer will be able to read but unable to write to LTO-4 media
- B. The customer will be able to write and read from LTO-4 media
- C. The customer will be able to write but unable to read from LTO-4 media
- D. The customer will be unable to access LTO-4 media

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.symantec.com/connect/forums/write-tape-lto4-drive-lto6-hcart2>)

#### QUESTION 21

A cost-conscious customer has a two-year-old VNX5300 with 20 TB data, but needs more capacity. The customer plans to install a new database that requires fast access and a separate I/O group.

Which IBM solution should the sales specialist offer at the lowest cost point?

- A. IBM Storwize V3700 with Easy Tier and SSD
- B. IBM Storwize V5000 with Easy Tier and SSD
- C. IBM Storwize V7000 Unified with Easy Tier and SSD
- D. IBM Storwize V7000 with Easy Tier and SSD

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-03.ibm.com/systems/storage/disk/storwize\\_v3700/overview.html](http://www-03.ibm.com/systems/storage/disk/storwize_v3700/overview.html))

#### QUESTION 22

A sales specialist has analyzed a customer's environment and determined that the customer needs to add about 8 TB of Tier 0 storage to an existing IBM Storwize V7000.

Which option offers the lowest latency?

- A. Externally virtualize IBM Storwize V3700 with with SSDs included in the system.
- B. Add SSDs to the IBM Storwize V7000 configuration

- C. Add an additional IBM Storwize V7000 with SSDs and cluster together
- D. Externally virtualize FlashSystem 840 with the IBM Storwize V7000 system

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.redbooks.ibm.com/technotes/tips1137.pdf>)

### QUESTION 23

A customer is looking for a software tool which enables storage for cloud computing, common functions like thin provisioning, advanced analytics and tiering, snapshots, Metro-Global Mirroring as well as the definition of service classes for storage and enables self-service provisioning.

Which solution should you recommend?

- A. IBM Spectrum Control and IBM Spectrum Virtualize
- B. IBM Tivoli Business Continuity Process Manager
- C. IBM Tivoli Productivity Center and IBM FlashCopy Manager
- D. IBM Spectrum Accelerate

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.redbooks.ibm.com/abstracts/tips1210.html?Open>)

### QUESTION 24

The customer currently has standalone servers with internal storage and wants to add SAN storage to its environment.

What is the least cost option for connecting storage to the existing host systems?

- A. SAS
- B. InfiniBand
- C. iSCSI
- D. Fibre Channel

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.tomshardware.com/forum/291393-32-drives-storage>)

**QUESTION 25**

A customer is looking for a high level of protection for its key applications and databases using an advanced integrated application snapshot backup and restore capabilities.

Which optional single Tivoli product addresses these requirement?

- A. IBM Spectrum Protect Suite for Unified Recovery Management
- B. Tivoli Storage Productivity Center
- C. Tivoli Storage FlashCopy Manager
- D. IBM Spectrum Protect Extended Edition

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

(<https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/wiki/Tivoli+Storage+FlashCopy+Manager>)

**QUESTION 26**

A small business customer needs a storage solution for archiving a CCTV (closed circuit television) workload. Six security cameras are currently in operation. IBM Storwize V3700 has been suggested.

Which configuration best balances cost against performance for this customer?

- A. 10k rpm drives and SSD
- B. Cache upgrade feature and 15k rpm drives
- C. Turbo feature and NL-SAS drives
- D. Solid state disk

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

(<http://www.datacenterknowledge.com/archives/2013/03/13/six-tips-for-selecting-hdd-and-ssd-drives/>)

**QUESTION 27**

A customer is purchasing an IBM storage subsystem that will be first in the enterprise and is listed on the IBM STG Solution Assurance Trigger Criteria and Designated Product List (DPL) as mandatory for first in customer location.

What is the sales team required to complete in this situation?

- A. Customer Support Plan (CSP)
- B. IBM TechXpress /Lab Services request
- C. Request for Price Quote (RPQ)
- D. Technical and Delivery Assessment (TDA)

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://arrowecsmidmarket.typepad.com/files/ibm\\_technical\\_and\\_delivery\\_assessment\\_070120091-1.pdf](http://arrowecsmidmarket.typepad.com/files/ibm_technical_and_delivery_assessment_070120091-1.pdf))

#### QUESTION 28

A customer's goal is to optimize the existing backup infrastructure containing Symantec Backup Exec software and an IBM TS3310 (3576-L5B) tape library.

Currently, the two LTO-5 drives are running at 80 % utilization. Because the customer expects a 30 % capacity increase over the next three years, the backup window will be missed in the future.

Which budget-sensitive solution should be offered to this customer?

- A. An expansion unit (E9U) for the existing TS3310 library to gain more cartridge slots
- B. Upgrade the TS3310 (3576-L5B) by replacing the LTO-5 drives and cartridges with LTO-6 drives and cartridges
- C. Add two IBM TS7620 appliances with VTL licenses and replication software for redundancy
- D. Add a second TS3310 (3576-L5B) with LTO-5 drives installed at a secondary site for disaster recovery

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=OC&subtype=NA&htmlfid=897/ENUS3576-E9U&appname=System%20Storage>)

#### QUESTION 29

Which member of the IBM Storwize family is capable of Real-time Compression?

- A. IBM Storwize V3500
- B. IBM Storwize V5000
- C. IBM Storwize V7000
- D. IBM Storwize V3700

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.redbooks.ibm.com/redpapers/pdfs/redp4859.pdf>)

### QUESTION 30

What is provided when changing the data input to the model of hardware and workload in Disk Magic?

- A. A configuration to be generated in CSV format and imported into the e-configuration tool
- B. A comparison of bandwidth requirements and response time impact of copy services
- C. A recommendation of additional capacity
- D. A heat map of the effects of storage tiering

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([https://www-304.ibm.com/connections/blogs/base\\_and\\_solve/entry/modeling\\_open\\_systems\\_in\\_disk\\_magic\\_data\\_capture?lang=en\\_us](https://www-304.ibm.com/connections/blogs/base_and_solve/entry/modeling_open_systems_in_disk_magic_data_capture?lang=en_us))

### QUESTION 31

An ISV is interested in storage virtualization for a new OLTP project. Performance and additional power requirements are the main concerns.

Currently, an older model IBM Storwize V7000 is installed using 3.5-inch NL-SAS drives. The customer decided to use 2.5-inch drive technology to create a high speed block of storage.

Which solution should be suggested?

- A. A new IBM Storwize V7000 with 24 2.5-inch drives and Compression
- B. Add an Expansion Enclosure with 24 2.5-inch drives and Compression
- C. Add an Expansion Enclosure with 12 NL-SAS drives and Compression
- D. A new IBM Storwize V7000 with 12 NL-SAS drives and Compression

**Correct Answer:** B

**Section: (none)**  
**Explanation**

**Explanation/Reference:**

([https://www-304.ibm.com/support/knowledgecenter/ST3FR7\\_7.5.0/com.ibm.storwize.v7000.750.doc/easy\\_preparephysicalenv.html](https://www-304.ibm.com/support/knowledgecenter/ST3FR7_7.5.0/com.ibm.storwize.v7000.750.doc/easy_preparephysicalenv.html))

**QUESTION 32**

A customer needs to migrate its current storage application volumes in order to implement a newly acquired storage solution. The customer's systems are side-by-side, and the transfer must occur in the fastest manner possible.

Which solution meets the customer's needs?

- A. Storwize family using DoubleTake for Windows environment
- B. Storwize family using Metro Mirror free of charge for migration
- C. Storwize family online data migration
- D. Storwize family copies data volumes using SANCopy

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

(<http://www-304.ibm.com/partnerworld/gsd/scsolutiondetails.do?solution=29940&lc=en&stateCd=P&cd=BPAS&sbcd=&tab=2>)

**QUESTION 33**

Where is the checklist for completing an IBM Technical and Delivery Assessment (TDA) located?

- A. System Storage Interoperability Center
- B. Systems Storage Product Guide
- C. Solution Assurance Library
- D. IBM Techline/Partnerline

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

([http://arrowecsmidmarket.typepad.com/files/ibm\\_technical\\_and\\_delivery\\_assessment\\_070120091-1.pdf](http://arrowecsmidmarket.typepad.com/files/ibm_technical_and_delivery_assessment_070120091-1.pdf))

**QUESTION 34**

A public transportation customer wants to accelerate its database batch processes. Flexibility, dual-site production connectivity, High Availability (HA)

and Disaster Recovery (DR) are mandatory.

Which solution should the sales representative propose?

- A. IBM SAN Volume Controller with IBM FlashSystem attached and stretched cluster
- B. IBM SAN Volume Controller with a SSD drawer attached and Metro Mirror
- C. IBM Storwize V7000 with internal SSD and Metro Mirror
- D. IBM Storwize V7000 with IBM FlashSystem attached and Flashcopy

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(IBM FlashSystem attached and Flashcopy)

#### **QUESTION 35**

Which open source interface enables a customer to connect a storage infrastructure to a public cloud?

- A. Connections Cloud S1
- B. OpenStack
- C. Silverpop
- D. OpenPower

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.ibm.com/developerworks/cloud/library/cl-openstack-cloud/>)

#### **QUESTION 36**

A customer wants to implement and deploy a Cloud environment using the current installed storage systems. The customer wants to leverage the OpenStack components to provide management and control of the storage environment.

Which other component should the sales specialist offer?

- A. IBM Spectrum Virtualize
- B. IBM Spectrum Control
- C. IBM Spectrum Protect



D. IBM Spectrum Scale

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/storage/spectrum/insights/>)

#### QUESTION 37

A customer would like to back up its Symantec environment locally to a deduplicated virtual tape library. A customer also needs a copy of that data available off site at its remote disaster recovery site.

Which IBM Solution should you recommend?

- A. Tivoli FastBack Software
- B. IBM Storwize V7000 and Global Mirror to a remote IBM Storwize V7000
- C. TS7620 ProtecTIER appliance OST option and a remote TS7620
- D. TS3100 and a remote TS3100

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www.redbooks.ibm.com/redpapers/pdfs/redp5023.pdf>)

#### QUESTION 38

A local hospital wants to extend its use of modern medical equipment and provide a single source of patient data. These goals require more capacity and a new data structure.

Currently, the customer is using two midrange mirrored EMC storage devices in separate locations. Ease-of-use, high availability, backup support, and cost are critical factors.

Which combination of IBM solutions should be recommended?

- A. Two IBM SAN Volume Controllers systems with Metro Mirror, Flashcopy, Flashcopy Manager and Easy Tier
- B. Two IBM Storwize V7000s systems with Metro Mirror, Flashcopy, and Easy Tier
- C. Two IBM Storwize V5000s systems with Metro Mirror, Flashcopy, Compression and Easy Tier
- D. Two IBM SAN Volume Controllers systems in a Stretched Cluster with Flashcopy, Easy Tier

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/storage/disk/>)

#### **QUESTION 39**

A customer's application is characterized by a large amount of data that is normally transferred with large I/O sizes.

Which workload best fits the application profile?

- A. A transaction-based workload
- B. A random-based workload
- C. A throughput-based workload
- D. An engagement-based workload

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([https://books.google.co.in/books?id=D1m4BAAAQBAJ&pg=PA341&lpg=PA341&dq=throughput-based+workload&source=bl&ots=8STPSXLR-6&sig=YYeVpMDG-HqCLTpSGYIdkBsOusg&hl=en&sa=X&ved=0CCMQ6AEwAGoVChMIpZfI47\\_BxwIVBXCOCh1dWg\\_L#v=onepage&q=throughput-based%20workload&f=false](https://books.google.co.in/books?id=D1m4BAAAQBAJ&pg=PA341&lpg=PA341&dq=throughput-based+workload&source=bl&ots=8STPSXLR-6&sig=YYeVpMDG-HqCLTpSGYIdkBsOusg&hl=en&sa=X&ved=0CCMQ6AEwAGoVChMIpZfI47_BxwIVBXCOCh1dWg_L#v=onepage&q=throughput-based%20workload&f=false))

#### **QUESTION 40**

A customer is comparing an EMC VNX solution to the proposed IBM Storwize V7000 Unified solution.

Which resource should the storage specialist use to produce a financial comparison between the EMC and IBM solution?

- A. IBM Storwize Family Sales Tool Kit
- B. TCOnowf for Disk
- C. IBM Infocenter
- D. IBM Solution Assurance Library

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/tools/tconow/>)

#### QUESTION 41

According to IBM messages to the marketplace, many customers are deploying analytics and big data systems.

What is the least important factor regarding 'Infrastructure matters'?

- A. Capacity matters
- B. Access matters
- C. Speed matters
- D. Efficiency matters

**Correct Answer:** A

**Section:** (none)

**Explanation**

#### **Explanation/Reference:**

([http://webcache.googleusercontent.com/search?q=cache:RLN9lyQx6CAJ:www-05.ibm.com/de/events/linux-on-system-z/downloads/Why\\_Infrastructure\\_Matters\\_for\\_CAMS\\_March\\_2014.pdf+&cd=5&hl=en&ct=clnk&gl=in](http://webcache.googleusercontent.com/search?q=cache:RLN9lyQx6CAJ:www-05.ibm.com/de/events/linux-on-system-z/downloads/Why_Infrastructure_Matters_for_CAMS_March_2014.pdf+&cd=5&hl=en&ct=clnk&gl=in))

#### QUESTION 42

Which resource should a customer review when documentation on best practices for a proposed IBM Storwize V7000 for an SAP environment is needed?

- A. IBM Knowledge Center
- B. IBM Techdocs
- C. IBM PartnerWorld
- D. IBM Support Portal

**Correct Answer:** D

**Section:** (none)

**Explanation**

#### **Explanation/Reference:**

([https://www-947.ibm.com/support/entry/portal/search\\_results?sn=spe&q=best%20practices&filter=language:en](https://www-947.ibm.com/support/entry/portal/search_results?sn=spe&q=best%20practices&filter=language:en))

#### QUESTION 43

A customer has two different storage solutions in separate data centers 1200 km apart. The customer is considering a change from host based replication to storage-system based replication.

Which solution should the sales specialist offer?

- A. Two IBM Storwize V7000s with Global Mirror and external virtualization
- B. IBM SAN Volume Controller in a 2-node stretched cluster configuration
- C. Two IBM Storwize V3700s with Metro Mirror and external virtualization
- D. Two IBM Storwize V7000s with FlashCopy and IBM Spectrum Protect Suite for Unified Recovery

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([http://www-01.ibm.com/support/knowledgecenter/SSPHQG\\_7.1.0/com.ibm.powerha.pprc/ha\\_pprc\\_ds8000.htm](http://www-01.ibm.com/support/knowledgecenter/SSPHQG_7.1.0/com.ibm.powerha.pprc/ha_pprc_ds8000.htm))

#### **QUESTION 44**

You are proposing an IBM Storwize V5000 for a customer's data center and two IBM Storwize V3700s to be placed in its two remote branch offices. The customer requires branch office data to be replicated to the main data center.

What is the critical feature of the proposed solution to this customer?

- A. FlashCopy
- B. Easy Tier
- C. Remote mirroring
- D. Real-time Compression

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

([https://www-01.ibm.com/support/knowledgecenter/SS36V9\\_4.1.1/com.ibm.itsm.fcm.vm.doc/c\\_fvm\\_plan\\_mirror.html](https://www-01.ibm.com/support/knowledgecenter/SS36V9_4.1.1/com.ibm.itsm.fcm.vm.doc/c_fvm_plan_mirror.html))

#### **QUESTION 45**

The sales specialist is recommending an IBM TS7620 to achieve greater efficiency with a client's current environment.

What is a potential benefit to the client?

- A. Higher productivity due to shorter backup windows
- B. Simplify legal and regulatory compliance
- C. Faster performance of their primary applications
- D. Minimize risk by sending tapes offsite

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<http://www-03.ibm.com/systems/in/storage/tape/ts7620/features.html>)

**QUESTION 46**

The customer currently has 37 servers with 1 TB of internal capacity on each server. The servers communicate over 1 GB Ethernet. There is no Fibre Channel requirement. The customer would like to move to a storage system with block capabilities.

Which product meets the customer's requirements?

- A. TS7620
- B. TS7650
- C. IBM Storwize V3700
- D. DCS3860

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

(<https://www.redbooks.ibm.com/redbooks.nsf/RedbookAbstracts/sg248107.html?Open>)