

C4090-461

Number: C4090-461
Passing Score: 800
Time Limit: 120 min
File Version: 4.0

C4090-461

IBM Midrange Storage Technical Support V4

Version 4.0

Exam A

QUESTION 1

A customer provides information shown in the exhibit about an existing SAN environment.

Because of the turnover rate, there is no one left in the company who knows what kind of disk technology is in the existing SAN environment.

Time	Read I/O Rate (overall) IO/sec	Write I/O Rate (overall) IO/sec	Total I/O Rate (overall) IO/sec	Read Data Rate MB/sec	Write Data Rate MB/sec	Total Data Rate MB/sec	Read Response Time msec	Write Response Time msec	Overall Response msec
1/11/2014 15:56	432.0	1294.9	1727.0	18.8	39.6	58.4	1.8		0.2
1/11/2014 16:01	315.5	1319.5	1635.1	13.5	40.1	53.6	2.4		0.2
1/11/2014 16:06	329.8	1328.4	1658.2	12.7	39.1	51.8	2.7		0.2
1/11/2014 16:11	556.8	1328.8	1885.6	22.9	40.2	63.0	2.0		0.3
1/11/2014 16:15	503.5	1279.4	1782.9	21.9	39.4	61.3	1.4		0.3
1/11/2014 16:21	627.1	1291.3	1918.4	29.6	40.3	70.0	1.2		0.3
1/11/2014 16:25	442.5	1363.5	1805.9	22.4	41.2	63.6	1.8		0.3
1/11/2014 16:31	851.2	1360.1	2211.3	36.0	44.5	80.5	1.5		0.3
1/11/2014 16:36	376.8	1379.2	1756.0	15.2	47.3	62.5	1.3		0.3
1/11/2014 16:41	488.6	1406.3	1894.9	20.2	49.4	69.6	1.6		0.3
1/11/2014 16:46	300.7	1357.0	1657.7	12.2	44.7	56.9	1.9		0.3
1/11/2014 16:51	390.1	1337.9	1728.0	15.7	44.0	59.7	1.5		0.3
1/11/2014 16:56	203.4	1300.5	1503.9	9.6	41.2	50.8	2.4		0.3
1/11/2014 17:01	419.6	1110.7	1530.3	16.9	36.9	53.8	2.1		0.3
1/11/2014 17:06	368.2	1177.4	1545.6	15.9	39.9	55.9	2.7		0.3
1/11/2014 17:11	298.7	1243.6	1542.4	13.9	40.7	54.5	2.5		0.3
1/11/2014 17:16	229.2	1083.7	1312.9	12.5	36.8	49.3	1.9		0.3
1/11/2014 17:21	356.3	1246.0	1602.3	18.1	40.1	58.1	1.4		0.3
1/11/2014 17:26	523.4	1300.7	1824.0	28.0	39.9	67.9	1.5		0.3
1/11/2014 17:31	383.7	1283.5	1667.2	19.6	39.7	59.4	1.9		0.3
1/11/2014 17:36	369.5	1197.6	1567.0	18.7	38.6	57.2	1.7		0.3
1/11/2014 17:41	598.5	1085.1	1683.6	27.3	39.3	66.6	1.5		0.3
1/11/2014 17:46	444.3	1005.4	1449.7	18.5	35.4	53.9	1.6		0.3
1/11/2014 17:51	507.0	1076.7	1583.7	23.5	38.8	62.3	1.7		0.3
1/11/2014 17:56	470.0	976.8	1446.8	20.2	34.8	54.9	2.0		0.3
Total=	10786.4	31084.0	41870.3	483.5	1013.9	1497.4			
Average=	431.5	1243.4	1674.8	19.3	40.6	59.9	1.8		0.3
Maximum=	851.2	1406.3	2211.3	36.0	49.4	80.5	2.7		0.3
Minimum=	203.4	976.8	1112.9	9.6	34.8	49.3	1.2		0.2

What is a reasonable estimate of the disk technology given the current latency?

- A. FLASH
- B. 10K SAS
- C. 15K SAS
- D. 7.2K NL-SAS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

The customer has a need to separate into different I/O groups while maintaining a single point of management.

Which standard function of IBM Storwize V7000 provides this capability?

- A. IBM Storwize V7000 in a Stretched Cluster
- B. Real-time Compression
- C. IBM Spectrum Control
- D. IBM Storwize V7000 clustered systems

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

An IBM customer has had trouble with restores on its older disk array. The last time this happened it caused a 20% drop in web traffic leading to lost sales. They would like to implement a new DCS3860 storage system and have called upon the IBM specialist to provide an overview. The customer is highly concerned about using more space in the data center.

What should the IBM specialist recommend as features on the IBM DCS3860 to address these concerns?

- A. Global Parallel File System for automated recovery
- B. Dynamic Disk Pooling for automated recovery
- C. Volume Copy for automated data placement
- D. Easy Tier functionality for automated data placement

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A customer has an existing database maintained on an IBM Storwize maintained on an IBM Storwize V7000 storage system. New PRO objectives with

multiple sample points are being requested. You recommend the IBM Storwize V7000 as it supports "FlashCopy Consistency Groups" which will potentially resolve this new business requirement.

How should you describe this feature to the customer?

- A. It has an asynchronous remote copy technique with change volumes replicates point-in-time images on a cycling period. The default is 3000 seconds.
- B. It has synchronous remote copy technique that ensures that writes are committed at both the master and auxiliary volumes before write completion is acknowledged to the host.
- C. It preserves point-in-time data write order across multiple volumes for applications that include related data which spans multiple volumes.
- D. It performs the itracluster copying of a volume, in which both volumes belong to the same system and I/O Group within the system.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

A customer wants to create a big data implementation that supports encryption for regulatory reasons and can support IBM Spectrum Scale.

What is the appropriate platform?

- A. IBM Storwize V3700
- B. DCS3860
- C. DCS3700
- D. IBM Elastic Storage server

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A customer needs to deploy many virtual servers without utilizing the ESX server.

Which standard functionality will help this customer if IBM Storwize products are used?

- A. VAAI
- B. NDMP

- C. SMI-S
- D. SNMP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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 V7000
- B. IBM DCS3700
- C. IBM FlashSystem 840
- D. IBM Storwize V3700

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation: IBM Storwize V7000 Unified and Storwize V7000 provide the latest storage technologies for unlocking the business value of stored data, including virtualization and Real-time Compression. In addition, the systems include a powerful hardware platform that can support the massive volumes of data created by today's demanding cloud and analytics applications. They are designed to deliver outstanding efficiency, ease of use and dependability for organizations of all sizes.

Reference: http://www-03.ibm.com/systems/pk/storage/disk/storwize_v7000/

QUESTION 10

A customer has a non-mission critical application that requires the highest performance and per-drive capacity utilization.

Which RAID configuration should be utilized?

- A. RAID 0
- B. RAID 6
- C. RAID 10
- D. RAID 5

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www.adaptec.com/en-us/solutions/raid_levels.html

QUESTION 11

Which open standard provides a web based self-service portal to interact with underlying services such as launching an instance, assigning IP addresses, and configuring access controls?

- A. OpenPower
- B. IBM Spectrum Scale
- C. IBM Dig Insights
- D. OpenStack

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation: Provides a web-based self-service portal to interact with underlying OpenStack services, such as launching an instance, assigning IP addresses and configuring access controls.

Reference: http://docs.openstack.org/admin-guide-cloud/content/ch_getting-started-with-openstack.html

QUESTION 12

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

A client would like to store large video files on CIFS/NFS network shares and needs to make sure that the data, once its stored, can't be changed or manipulated.

Which benefit would an IBM Spectrum Archive solution with LTO-6 drives deliver over a common SAS disk solution?

- A. No extra software license cost
- B. Availability of WORM media
- C. Quicker access to video archive
- D. Global namespace with IBM Spectrum Scale

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A customer has storage systems from HP and EMC connected on its Fibre Channel network. They are for separate departments and the customer is considering a new system for the financial department and a consolidation of the existing storage systems.

Which feature should the storage specialist emphasize on IBM Storwize V7000 to address this concern?

- A. Real-time Compression
- B. Thin provisioning
- C. External virtualization
- D. Easy Tier

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

OpenStack Block Storage enables you to add extra block-level storage to which component?

- A. OpenStack System Architecture
- B. OpenStack Identity Manager
- C. OpenStack Compute Instances
- D. OpenStack Object Storage

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation: OpenStack Block Storage enables you to add extra block-level storage to your OpenStack Compute instances.

Reference: http://docs.openstack.org/admin-guide-cloud/content/section_block-storage-intro.html

QUESTION 20

A customer has a mission-critical application that requires the highest performance while providing redundancy.

Which RAID configuration should be utilized?

- A. RAID 5
- B. RAID 0
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A customer requires a low cost data at rest encryption storage solution. You suggest the IBM Storwize V7000 model 524 solution. The customer inquiries how the keys are generated and where the encryption keys are stored.

Where is the master encryption key of the IBM Storwize V7000 stored?

- A. In the secure management area on the quorum disk
- B. On the SAS interface chip on the drive
- C. In secure memory in SAS controller hardware
- D. On an external device when encryption is enabled

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation: stored (encrypted with master access key) in secure memory in SAS controller hardware

QUESTION 22

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

A customer is considering the costs of a storage system and is most concerned about the overall cost over the system's lifecycle.

Which cost factor should be considered?

- A. TCO (Total Cost of Ownership)
- B. OPEX (Operating expense)
- C. CAPEX (Capital expenditure)
- D. ROI (Return on Investment)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A customer wants to use a database application on the new Storwize family system.

Which question should you ask to determine the correct disk technology (SAS, SAS-NL, SSD) for this client?

- A. How many batch users are accessing the database?
- B. Is the Storwize Host Attachment FC or iSCSI?
- C. What is the nature of the workload?
- D. How many servers are accessing the database?

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A customer has a storage system with a number of databases and has a business requirement to provide development with a sample of real data for testing. The customer is also concerned with cost.

Which solution is appropriate for this customer?

- A. IBM Storwize V7000 with Real-time Compression and virtualization
- B. IBM Spectrum Scale
- C. IBM Storwize V5000 with Real-time Compression and virtualization
- D. IBM Spectrum Protect

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www-03.ibm.com/systems/pk/storage/disk/storwize_v7000/

QUESTION 27

When speaking with a customer, which statement is correct for showing the differences between Flash and SSD?

- A. SSD uses Field Programmable Gate Array (FPGA) modules.
- B. SSD amplifies rotational latency.
- C. SSD latency is the same as Flash.
- D. SSD has to emulate a mechanical disk.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

A customer has a TS3310 Tape library installed in its data center, which consists of a base unit with 2 x LTO-6 tape drives and a single expansion module with an additional 2 x LTO-6 drives installed. The TS3310 tape library has 81 storage slots licensed.

The growth in business requires that the tape library has an additional expansion module installed, and the new solution to be fully configured with LTO-6 drives and all tape storage slots licensed. Additionally, there is a requirement to encrypt the data backed up to tape.

Which recommendation for the number of LTO-6 drives, storage slot licensing, and any additional items is required to provide the desired solution?

- A. 6 x LTO-6 Tape Drives, 2 x Storage Slot Expansion License, 2 x Encryption License
- B. 6 x LTO-6 Tape Drives, 2 x Storage Slot Expansion License, 1 x Encryption License
- C. 4 x LTO-6 Tape Drives, 4 x Storage Slot Expansion License, 8 x Encryption License
- D. 4 x LTO-6 Tape Drives, 3 x Storage Slot Expansion License, 3 x Encryption License

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A customer is currently running an Oracle Database on an IBM Storwize V7000 system. On the current growth plan, it will be at 90% capacity in six months. The customer does not have room for additional racks in the data center.

How should the Technical Specialist address this customer's concerns?

- A. Run Capacity Magic
- B. Run Disk Magic
- C. Run the Storage Tier Advisory Tool
- D. Run Comprestimator

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

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.

System Name	Pool Name	Volume Name	Size(GB)	Used(GB)	% used
pldenxlv3	Prod_Pool	denoubivs_arch1	154.0	154.0	100.00
pldenxlv3	Prod_Pool	denoubivs_arch2	154.0	122.0	79.22
pldenxlv3	Prod_Pool	denoubivs_bin1	137.0	98.0	71.53
pldenxlv3	Prod_Pool	denoubivs_bin2	68.0	44.0	64.71
pldenxlv3	Prod_Pool	denoubivs_bkup1	120.0	100.0	83.33
pldenxlv3	Prod_Pool	denoubivs_bkup2	120.0	100.0	83.33
pldenxlv3	Prod_Pool	denoubivs_bkup3	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data1	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data2	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data3	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data4	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data5	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data6	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data7	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data8	120.0	107.0	89.17
pldenxlv3	Prod_Pool	denoubivs_data9	206.0	37.0	17.96
pldenxlv3	Prod_Pool	denoubivs_log1	51.0	31.0	60.78
pldenxlv3	Prod_Pool	denoubivs_log2	51.0	31.0	60.78
pldenxlv3	Prod_Pool	denoubivs_NJP_bin	68.0	55.0	80.88
pldenxlv3	Prod_Pool	denoubivs_NJP_data	68.0	24.0	35.29
pldenxlv3	Prod_Pool	denoubivs_NJP_log	34.0	6.0	17.65
pldenxlv3	Prod_Pool	denoubivs_os1	68.0	33.0	48.53
pldenxlv3	Prod_Pool	denoubivs_os2	68.0	21.0	30.88
pldenxlv3	Prod_Pool	denouecvs_arch1	172.0	91.0	52.91
pldenxlv3	Prod_Pool	denouecvs_arch2	154.0	102.0	66.23
pldenxlv3	Prod_Pool	denouecvs_back1	326.0	321.0	98.47
pldenxlv3	Prod_Pool	denouecvs_back2	395.0	380.0	96.20
pldenxlv3	Prod_Pool	denouecvs_back3	395.0	303.0	76.71
pldenxlv3	Prod_Pool	denouecvs_bin1	103.0	77.0	74.76
pldenxlv3	Prod_Pool	denouecvs_bin2	103.0	84.0	81.55
pldenxlv3	Prod_Pool	denouecvs_bin3	103.0	79.0	76.70
pldenxlv3	Prod_Pool	denouecvs_data1	739.0	679.0	91.88
pldenxlv3	Prod_Pool	denouecvs_data2	223.0	207.0	92.83
pldenxlv3	Prod_Pool	denouecvs_data3	223.0	207.0	92.83
pldenxlv3	Prod_Pool	denouecvs_data4	223.0	207.0	92.83
pldenxlv3	Prod_Pool	denouecvs_data5	223.0	208.0	93.27
pldenxlv3	Prod_Pool	denouecvs_data6	223.0	214.0	95.96
pldenxlv3	Prod_Pool	denouecvs_data7	223.0	214.0	95.96
pldenxlv3	Prod_Pool	denouecvs_log1	51.0	28.0	54.90
pldenxlv3	Prod_Pool	denouecvs_log2	51.0	28.0	54.90
pldenxlv3	Prod_Pool	denouecvs_os1	68.0	15.0	22.06
pldenxlv3	Prod_Pool	denouecvs_os2	68.0	9.0	13.24
Average=			155.1	125.5	72.9
Total=			6513.0	5272.0	
Maximum=			739.0	679.0	100.0
Minimum=			34.0	6.0	13.2

What is the minimum amount of Tier 0 storage needed to meet the customer requirement?

- A. 124.0 GB
- B. 238.0 GB
- C. 204.0 GB

D. 620.4 GB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

A storage administrator has added some 4 TB Nearline SAS to its IBM Storwize V7000 and wants to follow IBM's best practice.

What is the preferred RAID type to use?

- A. RAID 6
- B. RAID 10
- C. RAID 5
- D. RAID 1

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

A customer has a business requirement to replicate data between two sites and achieve a recovery point objective (RPO) as low as possible with the replicated data as up-to-date as possible. The existing inter-site link is a shared resource and can become congested.

Which replication technology should be suggested to the customer?

- A. Global Mirror with change volume
- B. Intracluster mirroring
- C. Active Cloud Engine
- D. Metro Mirror

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

What is the IBM solution used to manage encryption keys for IBM Tape and Elastic Storage Server Advanced Edition?

- A. SKLM
- B. EKM
- C. TSSC
- D. SSPC

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

A prospective customer has two non-IBM storage systems in production which have the maximum allowable configuration of disk drives. These systems have not been fully depreciated and must remain in production.

Which advantage of the Storwize family of products should be discussed with the customer to address this situation?

- A. Autonomic capabilities improve availability and responsiveness to help protect data as storage needs grow.
- B. Consolidating the systems into locations with fewer and more powerful storage pools help increase IT efficiency and simplify the infrastructure.

- C. Storage virtualization helps in making complexity nearly transparent and offers a composite view of storage assets.
- D. Integrated storage environments simplify system management tasks and improve security.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

<http://www.redbooks.ibm.com/redbooks/SG245470/wwhelp/wwhimpl/common/html/wwhelp.htm?context=SG245470&file=08-06.htm>

QUESTION 37

A customer is looking for a cost-effective, all-flash solution.

Which benefit would the FlashSystem 840 offer this customer?

- A. Increased data availability
- B. Improved storage efficiency
- C. Enhanced capacity utilization
- D. Extended wear life

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

A customer has a legacy storage system and is looking to move to a new IBM storage platform.

Which standard feature of the Storwize family will accomplish this?

- A. Thin provisioning
- B. Easy Tier
- C. Clustering
- D. Migration Wizard

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation: The Storwize Family uses virtualization, thin provisioning, and compression technologies to improve storage utilization and meet changing needs quickly and easily. In this way, Storwize Family products are the ideal complement to server virtualization strategies.

Reference: <http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=ca&infotype=an&appname=iSource&supplier=897&letternum=ENUS214-235>

QUESTION 39

A customer notices that at the end of the month the storage system performance slows down due to a payroll program constantly accessing employee records.

Which licensed feature of the IBM Storwize V7000 helps alleviate this performance issue assuming all hardware requirements are met?

- A. FlashCopy
- B. Metro Mirror
- C. IBM Spectrum Accelerate
- D. Easy Tier

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

A customer wants to purchase two IBM Storwize V7000 Unified systems that will be located at separate facilities and needs to share file data.

Which IBM Storwize V7000 Unified systems feature addresses this requirement?

- A. Active Cloud Engine
- B. Easy Tier for file system
- C. Block level compression
- D. Metro / Global Mirror

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

A customer is discussing the purchase of an IBM Storwize V7000 storage system and needs to decide which pre-set RAID algorithm to use. The customer is aware of an option called "Balance RAID 10" and has asked for a description of how it functions.

What are the characteristics of this RAID type?

- A. Data is mirrored on two array members and across two enclosure drive channels.
- B. Data on all drives in the array use the same drive channel wherever possible.
- C. Data and one stripe of parity are striped across all array members.
- D. Data and two stripe of parity are striped across all array members.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

A customer has been experiencing sporadic performance issues on its IBM Storwize V7000 system. Analysis has shown that during peak workloads it is CPU constrained.

What can be done to alleviate the CPU contention?

- A. Add IBM Spectrum Control
- B. Add a second I/O group
- C. Implement Real-time Compression
- D. Perform a Capacity Magic study

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

A customer currently has a NetApp solution today and is unhappy with the performance of the system. The customer is very happy with the SnapManager software from NetApp, which is one of the challenges for moving the customer to a new IBM storage product.

What additional product should the technical specialist show the customer to help ease its concern about utilizing snapshots?

- A. Tivoli Storage Productivity Center
- B. IBM Spectrum Protect

- C. Tivoli Storage FlashCopy Manager
- D. TotalStorage Productivity Center for Replication

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A customer has a requirement for 4 TB of usable storage capacity for an active workload with SAS host connectivity.

Which IBM storage product fulfills the customer requirement?

- A. DCS3700
- B. IBM Flash Storage 840
- C. IBM Storwize V5000
- D. IBM Storwize V7000

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference: