IBM

C9020-461

IBM Midrange Storage Technical Support V4

License
D. 4 x LTO-6 Tape Drives, 3 x Storage Slot Expansion License, 3 x Encryption
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Answer: B

QUESTION: 55
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

Answer: B

QUESTION: 56
Which RAID array type is generally implemented for applications that have a
very heavy write ratio?

A. RAID 10
B. RAID 5
C. RAID 6
D. RAID 3

Answer: B

QUESTION: 57
A customer has conducted an analysis of its Vmware environment to determine
the capacity savings available by converting from thick to thin provisioning. The
results of the analysis are in the exhibit provided.

LUN Name	device name	Virtual Capacity (GB)	Real Capacity (GB)	Available Capacity (GB)
DC1SRV_002_NGTEST_G	/vmfs/devices/disks/naa.60050768019082b1580000000000042c	500.0	330.0	170.0
DC1SRV_003_NGTEST_D	/vmfs/devices/disks/naa.60050768019082b15800000000001d3	500.0	486.0	14.0
DC1SRV_004_T3	/vmfs/devices/disks/naa.60050768019082b1580000000000398	2048.0	1187.8	860.2
DC1SRV_005_NGTEST_TESTVOL	/vmfs/devices/disks/naa.60050768019082b15800000000001f4	600.0	580.8	19.2
DC1SRV_006_NGTEST_SWAP	/vmfs/devices/disks/naa.60050768019082b1580000000000392	50.0	11.1	38.9
DC1SRV_007_NGTEST_E	/vmfs/devices/disks/naa.60050768019082b15800000000001d2	600.0	559.8	40.2
DC1SRV_009_NGRPT_F	/vmfs/devices/disks/naa.60050768019082b15800000000001f7	808.0	740.1	67.9
DC1SRV_010_NGRPT_E	/vmfs/devices/disks/naa.60050768019082b15800000000001f8	810.0	789.8	20.3
DC1SRV_011_NGRPT_G	/vmfs/devices/disks/naa.60050768019082b1580000000000230	532.0	354.8	177.2
DC1SRV_014_T1	/vmfs/devices/disks/naa.60050768019082b1580000000000399	2048.0	1316.9	731.1
DC1SRV_024_T1_DC1NOTES1	/vmfs/devices/disks/naa.60050768019082b15800000000003fe	1200.0	544.8	655.2
DC1SRV_025_T1_DC1NOTES1	/vmfs/devices/disks/naa.60050768019082b15800000000003ff	500.0	302.5	197.5
DC1SRV_026_T1_DC1NOTES2	/vmfs/devices/disks/naa.60050768019082b1580000000000400	1200.0	232.8	967.2
DC1SRV_027_T1_DC1NOTES2	/vmfs/devices/disks/naa.60050768019082b1580000000000401	500.0	313.5	186.5
DC1SRV_028_NGTEST_I	/vmfs/devices/disks/naa.60050768019082b15800000000042d	100.0	1.2	98.8
DC1SRV_029_MOSAIQ_IMPAC_APP	/vmfs/devices/disks/naa.60050768019082b158000000000026f	60.0	31.3	28.7
DC1SRV_031_MOSAIQ_IMPAC_TRANS	/vmfs/devices/disks/naa.60050768019082b1580000000000271	72.0	48.2	23.8
DC1SRV_032_BIZTALKTEST_Z	/vmfs/devices/disks/naa.60050768019082b1580000000000443	500.0	215.0	285.0
DC1SRV_075_T3_TEMP	/vmfs/devices/disks/naa.60050768019082b15800000000002e0	2048.0	1628.2	419.8
DC1SRV_084_T1	/vmfs/devices/disks/naa.60050768019082b1580000000000332	2048.0	1568.8	479.2
DC1SRV_088_T1_MAECLFS	/vmfs/devices/disks/naa.60050768019082b158000000000013b	4096.0	4067.3	28.7
DC1SRV_090_T1	/vmfs/devices/disks/naa.60050768019082b1580000000000371	2048.0	1560.6	487.4
DC1SRV_096_T1	/vmfs/devices/disks/naa.60050768019082b1580000000000390	2048.0	1288.2	759.8
DC1SRV_097_T1	/vmfs/devices/disks/naa.60050768019082b1580000000000391	2048.0	1130.5	917.5
DC1SRV_100_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b2	2048.0	1382.4	665.6
DC1SRV_101_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b3	2048.0	1314.8	733.2
DC1SRV_102_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b4	2048.0	1273.9	774.1
DC1SRV_104_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b6	2048.0	933.9	1114.1
DC1SRV_105_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b7	2048.0	1413.1	634.9
DC1SRV_106_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b8	3072.0	1615.9	1456.1
DC1SRV_107_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003b9	3072.0	1333.2	1738.8
DC1SRV_108_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003ba	3072.0	1637.4	1434.6
DC1SRV_109_T1	/vmfs/devices/disks/naa.60050768019082b158000000000003bb	3072.0	1889.3	1182.7
DC1SRV_110_8300	/vmfs/devices/disks/naa.60050768019082b1580000000000444	2048.0	1712.1	335.9
		51540.0	33796.0	17744.0

What is the minimum capacity needed for the solution assuming compression is NOT part of the proposed solution?

A. 51540 GB
B. 17774 GB
C. 33796 GB
D. 27060 GB

Answer: B

QUESTION: 58

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 Comp estimator

Answer: B

QUESTION: 59

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 IBMDCS3860 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

Answer: D

QUESTION: 60
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

Answer: B

QUESTION: 61
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 anw 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

Answer: C

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

QUESTION: 62
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?

Answer: B

QUESTION: 63
A prospective customer has two non-IBM storage systems in production which
have the maximumallowable 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 compositeview of storage assets.
D. Integrated storage environments simplify system management tasks and
improve security.

Answer: B

Reference:
http://www.redbooks.ibm.com/redbooks/SG245470/wwhelp/wwhimpl/common/h
t ml/wwhelp.htm?context=SG245470&file=08-06.htm

QUESTION: 64
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)

Answer: A

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