E20-880$^{Q\&As}$

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QUESTION 1

A customer is running a data warehouse server with dual HBAs connected to a SAN . A performance analysis of the server shows high utilization. This server needs to be backed up to a SAN-attached backup device. The customer is concerned about production performance while backing up the data.

Which solution should be proposed?

A. Back up the data over a LAN

B. Perform disk-based backup

C. Use clones as the backup source

D. Use direct-attached tape-based backup

Correct Answer: B

QUESTION 2

Exchange 2010 is being virtualized on a VNX storage array in a VMware environment. Array- based replicas will be used to provide data protection. Which best practice should be followed to increase performance and reduce the meta data activity on the VMFS volume?

A. Enable Independent disk, Persistent mode.

B. Dynamically grow VMDK files as needed to save space and prevent fragmentation.

C. Deploy Lazy Zero disks to rapidly allocate space as needed.

D. Enable Independent disk, Nonpersistent mode.

Correct Answer: A

QUESTION 3

A customer has configured replication between Data Movers on two VNX arrays. In order to provide maximum network performance for the replication process, the customer has configured link aggregation on each Data Mover to provide two Gigabit Ethernet ports per Data Mover to the replication process. While reviewing performance reports the customer notices the replication network is using less than 30% of the available bandwidth.

What change will increase the efficiency of the replication network bandwidth?

A. Add ports to the aggregated links on each Data Mover.

B. Increase FAST Cache capacity on the target VNX.

C. Add spindles to the disk group hosting the destination SavVol.

D. Configure multiple Replicator sessions between the source and target VNX.

Correct Answer: D

QUESTION 4

A client has asked for assistance with designing his Exchange environment. The environment today is fully virtualized and Exchange will be as well. The client is concerned about local recovery and has decided to make VMware snapshots of their VMFS File system housing Exchange. The VMware servers are all attached through fiber to a VNX.

What volume type is required to meet the customer\\'s protection needs?

A. Virtual Mode RDMs

B. Physical Mode RDMs

C. VMFS

D. Dedicated RAID Group LUNs

Correct Answer: A

QUESTION 5

A Storage Administrator with a VNX Unified solution is using the CLI to monitor daily storage performance. They must type long commands to examine the statistical types and names to get the desired results. You have been asked to make

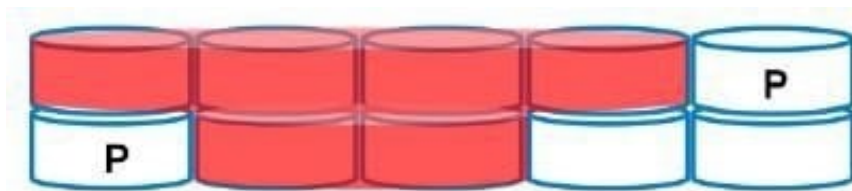statistical groups to accelerate and ease the demanded monitoring tasks.

Which command must be used to accomplish this job?

A. nas_stats

B. server_stats

C. naviseccli

D. Collect statistics from log files

Correct Answer: A

QUESTION 6

Refer to the exhibit.

A large IO spans multiple disks, and 2 stripes.

How will the stripe crossing counter and the disk crossing counter increase?

A. 1 stripe crossing and 1 disk crossing

B. 1 stripe crossing and 5 disk crossings

C. 2 stripe crossings and 1 disk crossing

D. 2 stripe crossings and 5 disk crossings

Correct Answer: A

QUESTION 7

What would happen if both watermarks are lowered in a bursty workload environment with EMC VNX?

A. Increases the cache\\'s number of free pages beyond the high watermark

B. Decreases the cache\\'s number of free pages beyond the low watermark

C. Increase the cache\\'s number of dirty pages beyond the high watermark

D. Increases the probability of forced flushing

Correct Answer: A

QUESTION 8

When designing a VNX Block Pool layout for a high performance application, how should LUN ownership be assigned?

A. All LUNs in the pool should be owned by the same SP

B. LUNS should be evenly assigned between each SP

C. The LUNs should be distributed so that the majority is owned by the least utilized SP first

D. Avoid assigning any LUNs to the most utilized SP until each SP has the same number of LUNs

Correct Answer: A

QUESTION 9

Your customer is interested in deploying XtremeSF and XtremeSW together on multiple hosts that will be attached to their new VNX. What would you discuss with your customer?

A. XtremeSF will only accelerate reads while writes will be passed through.

B. XtremeSF will pass though all reads and writes.

C. XtremeSF will only accelerate writes while reads will be passed through.

D. XtremeSF and XtremeSW cannot be used together.

Correct Answer: A

QUESTION 10

A customer is implementing a VNX for File solution in a performance-oriented application environment. There are Windows and Linux VM clients accessing the file systems. The customer wants to track both file system and DataMover utilization. The Performance Administrator prefers GUI to CLI access.

What would you recommend?

A. Unisphere Statistics for File

B. server_stats

C. Custom monitoring script

D. Unisphere Analyzer

Correct Answer: A

QUESTION 11

Click the calculator icon in the upper left-hand corner.

A Snapshot Source LUN performs 650 random 16 kB IOPs, with a 4:1 R/W ratio.

At what rate is chunk data written into the RLP when the session starts?

A. 2.03 MB/s

B. 8.13 MB/s

C. 16.25 MB/s

D. 10.16 MB/s

Correct Answer: B

QUESTION 12

A customer has implemented a VNX array that hosts multiple SQL database applications, but there are significant performance issues with some of the applications. They have purchased a small number of Flash drives and have asked for your recommendation on maximizing performance using the limited number of new drives.

What suggestion would you make about using the Flash drives?

A. Disable write cache and store tempDB on the drives.

B. Remove tempDB and store transaction logs on the drives.

C. Enable read cache and store tempDB on the drives.

D. Host transactional logs and tempDB on the drives.

Correct Answer: A

QUESTION 13

Why is it important for Pool LUNs to always have the same Default SP owner and Default Allocation owner?

A. So they do not pass data across the CMI bus.

B. In order to utilize the higher bandwidth of the CMI bus

C. The LUNs will be identified as trespassed

D. To eliminate the possibility of LUN trespassing

Correct Answer: A

QUESTION 14

A Customer is considering purchasing a new VNX but can\\'t decide whether to go with Classic RAID groups or pools. They would like to know the performance differences between the two when creating Thick LUNS. What would be the best response?

A. Thick pool LUNs typically perform at around 90% of a classic LUN.

B. Classic LUNs typically perform at around 90% of a Thick pool LUN.

C. Thick pool LUNs typically perform at around 80% of a classic LUN.

D. Classic LUNs typically perform at around 80% of a Thick pool LUN.

Correct Answer: A

QUESTION 15

Refer to the exhibit.

Specification	Value
Number of users (mailboxes) in Exchange environment	16,000
Number of messages sent or received per user per day	150 (0.15 IOPS)
Number of mailboxes per server	4,000 in a switchover configuration (2,000 active / 2,000 passive)
Database read/write ratio	3:2 (60/40 percent) in a mailbox resiliency configuration

You are proposing a storage solution using VNX to support a Microsoft Exchange 2010 virtual implementation on VMware ESXi. You have worked with the customer to understand the Exchange requirements, which are described in the exhibit. Based on availability, performance, and Exchange mailbox size requirements, you are recommending RAID 5 with 7.2K rpm NL/SAS drives.

Following EMC best practices, what is the minimum number of spindles that would be required for this environment?

A. 16

B. 26

C. 34

D. 48

Correct Answer: B

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