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QUESTION 1

A customer recently added a large number of new users to their VNX for Block storage system. They now complain that the system is slow. You have been asked to fix this problem. Their configuration uses traditional LUNs exclusively. They have a number of Flash drives that are currently unused. Analysis of their application environment shows that several LUNs have skew > 90%.

Which technology would you implement to solve their performance problem?

A. FAST Cache

B. FAST VP

C. Flash RG

D. Pool LUNs

Correct Answer: A

QUESTION 2

A customer asks about the High Bandwidth option for a data warehousing application. The customer would like to know the benefits of implementing this feature. How do you respond?

A. Increased queue depth and increased stripe element size

B. Symmetric Active/Active and increased queue depth

C. Increased Full Stripe Writes (FSW)

D. Increased random, small-block read performance

Correct Answer: A

QUESTION 3

Considering LUN compression in a VNX, how has initial compression performance changed in VNX with MCx?

A. Higher bandwidth per LUN in MCx

B. Addition of \\'Extreme\\' compression rate option

C. Lower bandwidth per LUN than previous VNX Block OE releases

D. No change from previous VNX Block OE releases

Correct Answer: A

QUESTION 4

Which naviseccli performance counter is used to view stripe boundary crossing statistics?

A. getdisk

B. getcontrol

C. getrg

D. getlun

Correct Answer: D

QUESTION 5

A Customer needs a RAID configuration that can maintain 650 host IOPs. The workload has a profile of 90% reads and 10% writes. The customer is also trying to reduce the amount of drives to buy. What RAID configuration would meet the customer\'s requirements?

A. 15K SAS Drives in a RAID 1/0 2+2

B. 10K SAS Drives in a RAID 1/0 2+2

C. 10K SAS Drives in a RAID 6 4+2

D. 7.2K NL-SAS Drives in a RAID 1/0 1+1

Correct Answer: A

QUESTION 6

Your customer has a Microsoft SQL installation on a VMware guest Windows 2003 Server using RDM. The ESXi server uses a VNX system.

What would you recommend to your customer to avoid misalignment between a partition used by the Windows 2003 Server and the underlying physical disk?

A. Use an NTFS allocation unit size of 64 KB and an offset value of 1024.

B. Use an NTFS allocation unit size of 32 KB and an offset value of 1024.

C. Alignment is automatically handled by Windows.

D. Alignment for the virtual disk is handled by the ESXi server.

Correct Answer: A

QUESTION 7

A company recently purchased a VNX storage system to support its clustered SQL Server environment. You are designing the disk layout.

Based on EMC best practices, what design characteristics should you follow when configuring SQL Server on the VNX?

A. Basic disks, NTFS volumes of 64 KB clusters

B. Basic disks, NTFS volumes of 128 KB clusters

C. Dynamic disks, NTFS volumes of 64 KB clusters

D. Dynamic disks, NTFS volumes of 128 KB clusters

Correct Answer: A

QUESTION 8

A customer has recently implemented Microsoft Exchange 2010 on a VNX storage system that hosts a variety of application servers. The Exchange implementation is currently using RAID 5 (4+1) and uses FAST Cache for the database volumes, but is not using FAST VP. Performance has been significantly diminished.

What would you recommend to the customer?

A. Isolate server workload to dedicated set of spindles.

B. Implement FAST VP.

C. Combine log and database volumes in a storage pool.

D. Implement a RAID 6 configuration.

Correct Answer: A

QUESTION 9

A customer with an existing VNX for File implementation wants to enable deduplication on a file system, based on the following specifications:

Idle File System

Number of files: 1 M

Average file size: 50 KiB

Estimated deduplication: 30%

What is the estimated time for initial deduplication?

A. 5 min

B. 10 min

C. 15 min

D. 20 min

Correct Answer: C

QUESTION 10

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 11

You received a call from a customer asking to help troubleshoot why they cannot select dvols using MVM from their remaining pool LUNS to create a stripe volume.

What could be a reason for this?

A. All Thick LUNs must be used first

B. All Thin LUNs must be used first

C. LUNs must not exceed 18 TB in size

D. LUNs must be on the same SP

Correct Answer: A

QUESTION 12

You are working with a customer that recently refreshed their hardware with a VNX storage system configured with Flash drives. During this swap customer also migrated their Exchange 2010 environment to the VNX. Now the customer is claiming that they do not see any performance improvement with their Exchange environment.

What is your explanation?

A. Exchange 2010 was deployed in FAST VP.

B. Database and log files are in the same FAST VP.

C. FAST Cache is not enabled on log volumes.

D. Thin LUNs were not 100% pre-allocated in FAST VP.

Correct Answer: A

QUESTION 13

A customer needs to reclaim space and has decided to enable compression on a Thick LUN in their environment.

What happens to the LUN when it becomes compressed?

A. The Thick LUN is converted to Thin then compresses

B. The Thick LUN remains Thick but compresses

C. Thick LUNS cannot be compressed

D. The Thick LUN will clone itself then compress

Correct Answer: A

QUESTION 14

A customer is experiencing performance degradation when accessing certain CIFS shares configured on a VNX for File storage system. To troubleshoot, they would like to create a report that shows a combination of CIFS and network data. What command would you recommend that they use?

A. server_stats

B. netstat -e

C. netstat -i

D. server_sysstat

Correct Answer: A

QUESTION 15

Your customer has recently purchased a VNX to host their three Oracle RAC database environments and automated payment processing application. The RACs and application are differentiated as follows: ORA- PROD, ORA-STAGE, ORADEV, APP-PROD, APP-STAGE, and APP-DEV.

The customer has provided you with their Enterprise Storage Policy (ESP) and is requesting that you adhere to this policy when architecting their new VNX solution. The ESP states the following as it relates to Oracle database storage requirements:

All LUNs must be configured as raw devices

All LUNs must be managed using ASM

No fewer than two LUNs per ASM disk group

No more than one database per RAC per RAID Group

No more than three databases per RAID Group

All data LUNs must be 1000 GiB RAID 5

All FRA LUNs must be 500 GiB RAID 1/0

No more than eight total disks per RAID Group

No fewer than four disks per RAID Group

Based on the ESP, and assuming ORA-PROD has six instances, what is the minimum number of disks required?

A. 4

B. 8

C. 12

D. 24

Correct Answer: B

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