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QUESTION 1

What is a consequence of using an 800 GB drive and five 400 GB drives in a Dell EMC Unity XT dynamic pool?

A. Extents 9 -14 are used to create a RAID Group

B. Unisphere short strokes the 800 GB drive to 8 extents

C. Extents 9 -14 are marked unavailable until more 800 GB drives are added

D. Extents 9 -14 are marked unavailable and can never be recovered

Correct Answer: C

The entire capacity of a particular drive size is only available when the drive count within the drive partnership group for the drive in question matches or exceeds the stripe width plus one drive. It is not recommended to mix different size drives of the same type for this reason, unless an adequate number of drives are available to meet or exceed the stripe width plus one drive requirement h16289-dell_emc_unity-dynamic_pools.pdf-Page 18-19

QUESTION 2

Which encryption algorithm is used for SMB shares on Dell EMC Unity?

A. AES-CCM

B. AES128-GCM

C. AES-CMAC

D. HMAC-SHA256

Correct Answer: B

This provides improved security and encryption traffic performance for SMB3 by changing the encryption algorithm from AES-CCM-128 to AESGCM-128. Page 40 :https://www.delltechnologies.com/en-zm/collaterals/unauth/white-papers/products/storage/h15572-dell-emc-unity-nas-capabilities.pdf

QUESTION 3

Which Dell EMC Unity storage array models support NVMe?

A. 380, 880, and 880F

B. 680F, 880, and 880F only

C. 680, 680F, 880, and 880F

D. 380, 380F, and 480F

Correct Answer: C

https://delltechnologies.techdata.nl/app/uploads/2019/02/dell-emc-unity-xt-selling-guide.pdf

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QUESTION 4

What is the Dell EMC best practice for sizing and designing a Dell EMC SC Series solution?

A. Front-end ports required for performance should always meet capacity needs

B. Drive capacity should meet performance needs

C. Size for performance first and capacity second

D. Size for capacity; Data Progression should always meet performance needs

Correct Answer: C

QUESTION 5

Which Dell EMC Unity OE 5.0 enhancements improve asynchronous replication?

A. NAS server mobility and Fan-out Replication

B. GeoSync and NAS server mobility

C. Cascade Replication and GeoSync

D. Fan-out and Cascade Replication

Correct Answer: D

Dell EMC Unity OE version 5.0, asynchronously replicated file resources can also be configured in advanced replication topologies. This allows for configurations such as fan-out and cascading replication at the granularity of a NAS Server and its associated file resources. Reference:https://www.delltechnologies.com/asset/en-us/products/storage/industry-market/h17827-dell-emc-unity-operating-environment.pdf

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QUESTION 6

What is the maximum capacity of a file system on a Dell Unity XT 380?

A. 64 TB

B. 32 TB

C. 256 TB

D. 128 TB

Correct Answer: C

The maximum capacity of a file system on a Dell Unity XT 380 can be up to 256 TB. This high capacity is possible due to the advanced storage features such as data reduction, data tiering and use of high-density drives. The file system

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capacity can be increased by adding more drives, and by configuring the storage pool and LUNs in a way that maximizes storage utilization and performance. It\\'s important to note that this may vary depending on the specific version and software of the Dell Unity XT 380.

QUESTION 7

From which storage platforms does a migration import data to a Dell PowerStore cluster?

A. Dell EqualLogic PS series Unity, Dell Compellent SC Series, and PowerVault ME

B. PowerMax. Dell EqualLogic PS senes Dell Compellent SC Series and Unity

C. VNXe Unity Dell Compellent SC Series and Dell EqualLogic PS series

D. Unity VNX2 Dell EqualLogic PS series and Dell Compellent SC Series

Correct Answer: D

A migration import allows data to be transferred from an existing storage platform to a Dell PowerStore cluster. The platforms that support migration import to a Dell PowerStore cluster include Unity, VNX2, Dell EqualLogic PS series and Dell Compellent SC Series. These platforms are EMC storage systems, which are now owned by Dell Technologies.

QUESTION 8

An ISP needs a data storage solution that allows them to set policies over resource usage. The solution needs to support network multi-tenancy while also providing full network failover protection. What combination of Dell EMC SC Series features meets these requirements?

A. Thin Replication and Storage Profiles

B. VLAN Tagging and QoS

C. Multi-protocol and Live Volume

D. Replication and vVols

Correct Answer: C

QUESTION 9

A storage administrator wants to do a tech refresh from a legacy EQL system to a new Dell EMC SC Series array. What is needed to correctly size the new array?

A. Latency

B. Peak IOPS information

C. Storage tiers

D. Contract support end date

Correct Answer: B

https://downloads.dell.com/manuals/common/sc-series-performance-availability-best-practices-dell-emc-4024-bp-sc_en-us.pdf (1.9 Sizing an SC Series array for performance requirements-pag.9)

QUESTION 10

When designing a Dell EMC SC Series system, which factors regarding general performance are important to understand?

A. Write size and latency

B. Block size and read size

C. Latency and queue depth

D. Transport and queue depth

Correct Answer: C

"Whether gathering information or designing a system, it is important to understand two commonly used terms: Latency and queue depth"

QUESTION 11

A technical architect is working with a customer to design a Dell Unity XT solution The customer is concerned about enabling the data reduction storage service What system condition should the architect recommend for enabling data reduction?

A. CPU utilization above 80%

B. Free capacity at or less than 50% free capacity

C. CPU utilization at or less than 50%

D. Free capacity above 80%

Correct Answer: D

The technical architect should recommend enabling data reduction storage service when the system has free capacity above 80%. Data reduction technologies such as compression and deduplication reduce the amount of storage needed by eliminating duplicates and compressing data. However, these technologies can consume additional resources, particularly CPU. Enabling data reduction on a system that is already running low on free capacity would create additional resource contention and negatively impact performance.

QUESTION 12

What provides data analytics for Dell EMC Midrange storage?

A. eLab Advisor

B. Unisphere Central

C. DSM

D. CloudIQ

Correct Answer: D

Reference: https://advance.biz-tech-insights.com/whitepaper/h15387-cloudiq-top-reasons.pdf

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QUESTION 13

You are sizing a new Dell EMC SC Series array. Upon analyzing the Live Optics report, you find the current system has a peak throughput of 4687 MB. What is the minimum number of 10Gb iSCSI front-end ports required to meet the throughput needs?

A. 8

B. 10

C. 12

D. 16

Correct Answer: A

QUESTION 14

A customer asks you about the maximum load of their new Dell EMC SC Series array. Which term should you use in response?

A. MB

B. IOPS

C. CPU Cycles

D. Latency

Correct Answer: B

Reference: https://downloads.dell.com/manuals/common/sc-series-performance-availability-best-practices-dell-emc-4024-bp-sc_en-us.pdf

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QUESTION 15

Which Dell EMC SC Series array allows for back-end expansion cards?

A. SCv3000

B. SC7020

C. SC5020

D. SCv3020

Correct Answer: B

https://www.dell.com/support/manuals/en-us/storage-sc7020/sc7020-om/sc7020-series-storage-system-back-panel-view?guid=guid-ba3314b9-ddaf-4413-8a25-4bb66c2d421bandlang=en-us

Here we clearly have Each storage controller contains:[...] Expansion slots for I/O cards:

Slots for optional front-end connectivity ?Fibre Channel and iSCSI I/O cards Slots for optional back-end connectivity ?SAS I/O cards [...] SCv3000, SCv3000 and SC5020 owner manual say: One expansion slot for a front-end I/O card:

https://www.delltechnologies.com/de-at/collaterals/unauth/technical-guides-support-information/services/h17356-storage-config-sap-hana-tdi-sc-vg.pdf

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