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QUESTION 1

A storage administrator plans to complete a technology refresh from a Dell EqualLogic PS6100 to a Dell EMC PowerStore array. The affected hosts are running native MPIO. What is the recommended method to support an import to PowerStore?

A. Install DSITV on the hosts

B. Install EQL Hit Kit on the hosts

C. Use Dell Storage Manager and select Online Import

D. Install PowerStore ImportKit on the hosts

Correct Answer: D

An install of the PowerStore ImportKIT is required on the hosts to support import to PowerStore.
Reference:https://docplayer.net/188347142-Dell-emc-powerstore-importing-external-storage-to-powerstore-guide.html

QUESTION 2

Which parameters can be selected when sizing a Dell Unity XT 480F using the System Design method?

A. Drive count and RAID level Percentage of random writes and reads

B. Data reduction ratio Percentage of sequential writes and reads

C. One of four workload types Drive count and RAID level

D. One of two block sizes Application type

Correct Answer: C

When sizing a Dell Unity XT 480F using the System Design method, you can select one of four workload types and Drive count and RAID level. This workload type selection will take into account the specific IOPS and capacity requirements of the environment. The drive count and RAID level will determine the overall capacity and level of data protection required.

QUESTION 3

DRAG DROP

In vCenter, what is the correct order of steps to create a VM in a storage container provisioned on a Dell EMC PowerStore system?

Select and Place:

Create vVol datastore

Provision VMs based on vVol datastore

Create VM Storage Policies

Configure PowerStore connectivity

Add PowerStore Cluster as VASA Storage Provider

Step 1

Step 2

Step 3

Step 4

Step 5

Correct Answer:

Add PowerStore Cluster as VASA Storage Provider

Configure PowerStore connectivity

Create vVol datastore

Create VM Storage Policies

Provision VMs based on vVol datastore

STEP1:VASA STEP2 :POWERSTORE CONNECTIVITY STEP3:Create vvol datastore STEP4:create vm storage
policies STEP5:Provision VMs based on vvol datastore

QUESTION 4

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

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QUESTION 5

How many fans in a Dell EMC PowerStore node can fail before it shuts down?

A. 1

B. 2

C. 3

D. 4

Correct Answer: A

A node can tolerate a single fan module fault, and the surviving fans increase their speed to compensate for the faulted module. If two fan modules fault within the same node, the node performs a protective thermal shutdown. A protective thermal shutdown gracefully powers off the node, and any resource fails over to the surviving node Reference:https://www.delltechnologies.com/asset/en-us/products/storage/industry-market/h18149-dell-emc-powerstore-platform-introduction.pdf

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QUESTION 6

A customer site has four NAS servers participating in MetroSync replication. Which Dell EMC Unity feature could reduce failover times?

A. QoS Failover Policy

B. Cabinet Failover

C. SRDF Metro

D. Consistency Groups

Correct Answer: B

QUESTION 7

A customer asks you about adding 4-port 1 GbE BaseT connectivity to their Dell EMC Unity XT series array.

What should be your response?

A. 4-port 1GbE BaseT module is supported on Unity XT with the latest Enginuity code

B. 4-port 1GbE BaseT module is provided by the Mezz card on Unity 80 series models

C. 4-port 1GbE BaseT module is not available on Unity XT

D. 4-port 1GbE BaseT module is supported across all Unity models

Correct Answer: C

4-Port Mezz Card

●

 Mezz cards are only available on the 480/F through 880/F systems

●

 Mezz cards are optional and will be available with the following configurations:

–

 4-Port 25GbE Optical › 10Gb or 25Gb SFPs › Can mix 10Gb and 25Gb SFPs on same card

–

 TwinAx

–

 4-Port 10GbE BaseT

–

 4-Port card network ports can be included in LACP and FSN configurations

–

 No Mezz Card

QUESTION 8

Which file resources are supported with Dell EMC Unity asynchronous replication?

A. File systems and LUNs

B. LUNs and VMFS datastores

C. NAS servers and NFS datastores

D. Consistency Groups and file systems

Correct Answer: A

Reference: https://www.delltechnologies.com/en-us/documentation/unity-family/unity-p-replication-config/02-unity-rep-br-workflow.htm

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QUESTION 9

A systems administrator has deployed a Dell Unity XT 380F system with 15x 1.92 TB SSD drives, in a RAID 5 dynamic pool Shortly after deployment, the administrator wants to expand the capacity of the system and use larger drives to increase the density

What will happen if the administrator adds 4x 3 84 TB SSD drives?

A. Three of the drives will be added with a fourth reserved as spare

B. The mixing of drive types is not supported and the operation will fail

C. Only half of the capacity of the new drives will be available

D. The full capacity of the drives will be available

Correct Answer: B

Dell Unity XT systems does not support mixing different drive types in the same RAID group. Adding larger drives to an existing RAID group with smaller drives will cause the operation to fail. The administrator should create a new RAID group with the larger drives and then copy the data from the old RAID group to the new one.

QUESTION 10

A customer has two Dell S4148FON switches which are not connected to each other The customer wants to use SMB to present NAS data directly from the array to their users The solution must have resilience in case a switch outage occurs

Which solution should the technical architect recommend?

A. Dell PowerStore100X

B. Dell PowerVault ME4

C. Dell PowerStore 1000T

D. Dell Unity XT 480

Correct Answer: B

The Dell PowerVault ME4 is a storage area network (SAN) solution specifically designed for SMB environments. It provides high availability through active-active controllers and automatic failover, which ensures that data remains accessible in the event of a switch outage. By connecting the two S4148FON switches to the Dell PowerVault ME4, the customer will be able to present NAS data directly from the array to their users, and also have resilience in case of switch outage.

QUESTION 11

What is achieved by adding a top tier of SSDs when designing a Dell Unity XT hybrid solution with FAST VP and FAST Cache?

A. Isolates file top-talkers I/O from block data I/O

B. Improves compression space efficiencies

C. Provides an additional data redundancy layer

D. Helps keep paged metadata on FLASH media

Correct Answer: D

FAST VP (Fully Automated Storage Tiering for Virtual Pools) and FAST Cache (Fully Automated Storage Tiering for Cache) are features that allow you to optimize the performance of your storage by automatically moving data between different storage tiers based on usage patterns. The SSD tier is used to store frequently accessed metadata, such as file system structures, directories, and inode tables, which are accessed frequently and are small enough to fit in the SSD cache. Keeping paged metadata on flash media improves the overall system performance, as it allows for faster access to the metadata, reducing the latency and the number of I/O operations needed to access it.

QUESTION 12

Which optional I/O Module card type is supported for both Dell PowerStore T and Dell PowerStore X?

A. 25GbE

B. 8 Gb Fibre Channel

C. 10GbEBaseT

D. 32 Gb Fibre Channel

Correct Answer: C

Both Dell PowerStore T and Dell PowerStore X support the 10 GbE BaseT optional I/O module card type. This card provides 10 Gbps Ethernet connectivity and can be used to connect the storage array to a network. The other options are not supported by both models. 25 GbE and 32 Gb Fibre Channel are generally faster and used for high-performance systems, while 8 Gb Fibre Channel is an older standard, and not supported by Dell PowerStore T and Dell PowerStore X.

QUESTION 13

What is the maximum number of data drives that can be put in to a Dell PowerStore 1000T base enclosure?

A. 23

B. 21

C. 25

D. 24

Correct Answer: B

The maximum number of data drives that can be put in to a Dell PowerStore 1000T base enclosure is 21. The Dell PowerStore 1000T has a 2U form factor, and it supports a maximum of 21 drives in the base enclosure. The drives can

be either SAS or NVMe, and it\\'s important to keep in mind that the maximum capacity of the system depends on the type of drives that are used. It\\'s important to note that the PowerStore 1000T supports up to 2 expansion shelves that can hold an additional 21 drives each, for a maximum of 63 drives in total. Also, the PowerStore 1000T supports up to 4 NVRAM modules that are used to cache metadata and improve performance.

QUESTION 14

To which bus is the Dell EMC Unity 880F DPE connected?

A. 0

B. 49

C. 89

D. 99

Correct Answer: D

The DPE on 480/F, 680/F, and 880/F systems is internally connected to Bus 99 which is a separate bus than the first SAS expansion port that is connected to Bus 0. Therefore, the DPE is recognized by the system as Bus 99 Enclosure 0 while the first DAE connected to the first SAS expansion port would be Bus 0 Enclosure 0. This is different than X00/F, X50F, and 380/F systems. Furthermore, this means that the twenty-five drives in front of the DPE for 480/F, 680/F, and 880/F systems are internally recognized as Bus 99 Enclosure 0 Drive 0 -Bus 99 Enclosure 0 Drive 24. In Unisphere, the drives are seen DPE Drive 0 -DPE Drive 24

QUESTION 15

Which Unity load balancing method will optimize performance in a customer environment if there are a limited number of open FC switch ports?

A. A Least I/O

B. Priority

C. Round Robin

D. Port to Core Affinity

Correct Answer: D

The best Unity load balancing method to optimize performance in a customer environment with a limited number of open FC switch ports is Port to Core Affinity. This method will assign the same port to the same core when possible. This allows the same switching resources to be used in the same cores, which will optimize performance due to reduced latency. Priority and Round Robin methods will also provide load balancing, but they are not as effective in a limited port environment. Least I/O is not recommended in this situation, as it will not provide adequate load balancing.

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