DES-1D12$^{Q\&As}$

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QUESTION 1

You are designing a two-tiered Dell EMC SC Series solution that will be optimized for performance. You gather the necessary data from Live Optics and find that the read/write ratio is 80:20. What approach is recommended?

A. Size Tier 1 for 100% of the adjusted IOPS

B. Use distributed adjusted IOPS for all tiers

C. Use distributed adjusted IOPS for Tiers 1 and 2 only

D. Size Tier 2 for 100% of the adjusted IOPS

Correct Answer: A

"The engineer should design a system to handle all, or nearly all, IOPS in one particular tier"

QUESTION 2

What is the minimum recommended amount of Flash capacity in a Dell EMC Unity 880 Hybrid pool?

A. 5%

B. 8%

C. 10%

D. 15%

Correct Answer: C

Reference: https://www.delltechnologies.com/en-us/collaterals/unauth/white-papers/products/storage/h15093-dell-emc-unity-best-practices-guide.pdf (16)

QUESTION 3

A Dell EMC PowerStore customer plans to migrate storage volumes across appliances within a cluster. They want to use minimal effort to ensure that the appliance avoids reaching full capacity. Which method is recommended?

A. Live Migrate

B. Assisted Migration

C. Resource Balance

D. Volume Placement

Correct Answer: B

Assisted migration-In the background, the system periodically monitors storage resource utilization across the appliances. Migration recommendations are generated based on factors such as drive wear, appliance capacity, and

health. If you accept a migration recommendation, a migration session gets automatically created.

Reference:https://www.dell.com/support/manuals/en-pk/powerstore-1000t/pwrstr-cfg-vols/migrate-storage-resources-to-another-appliance?guid=guid-2c5f6014-60e4-43ee-928f-b537c59da869andlang=en-us

QUESTION 4

Which network option should be configured to provide the best iSCSI performance on a Dell Unity XT array?

A. A iSCSI offload

B. Single VLAN for all traffic

C. Jumbo frames

D. Disable flow control

Correct Answer: A

iSCSI offload is a network option that can be configured to provide the best iSCSI performance on a Dell Unity XT array. This option offloads iSCSI processing to the network adapter card, reducing the load on the host CPU and improving performance. With iSCSI offload enabled, the network adapter card can handle iSCSI processing tasks such as packet segmentation and reassembly, reducing the CPU overhead associated with iSCSI operations. Other options such as using a single VLAN for all traffic, configuring jumbo frames and disabling flow control may also help to improve iSCSI performance but iSCSI offload would provide the best results. It is important to note that configuring jumbo frames could have a positive impact on performance, but it also depends on the network infrastructure and the NICs support for it. Disabling flow control could cause issues on congested networks, so it\\'s important to test it before disabling it.

QUESTION 5

A Windows client using the SMB protocol is trying to access a multiprotocol file system from a Dell Unity XT NAS server. The local group database was checked and no mapping was found. What is the next step in the SID to UID resolution process?

A. The Windows user access is removed

B. The domain controller is checked

C. The Windows user is mapped to the default UNIX account

D. Secmap is checked

Correct Answer: B

When a Windows client uses the SMB protocol to access a multiprotocol file system from a Dell Unity XT NAS server, the SID (Security Identifier) of the Windows user is mapped to a UID (User Identifier) on the UNIX file system. If no mapping is found in the local group database, the domain controller is checked to see if the SID is present there. The domain controller can provide the information needed to map the SID to the corresponding UID on the file system, allowing the Windows user to access the files. If the SID is not present in the domain controller, the Windows user\\'s access would be removed.