DES-1D11$^{Q\&As}$

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QUESTION 1

An analysis of a customer\\'s current environment reveals a peak of 6,600 IOPS with 4,500 writes and 2,100 reads. The sample was gathered at 10-minute intervals. Given this information, what is a reasonable IOPS target for the Tier 1 drives in a Dell EMC SC Series solution?

A. 7,000 IOPS

B. 9,000 IOPS

C. 12,000 IOPS

D. 15,000 IOPS

Correct Answer: D

QUESTION 2

When implementing FAST VP, which Dell EMC best practices should be followed?

A. Use the "Lowest Available Tier" during normal operations Schedule relocations after nightly backups

B. Use the "Auto Tier" policy Schedule relocations continually during normal operations

C. Use the "Start High then Auto Tier" policy Maintain at least 10 percent of the pool capacity

D. Use the "Start High then Auto Tier" policy Maintain at least 5 percent pool capacity

Correct Answer: B

QUESTION 3

You are designing a Dell EMC Unity solution for a customer requiring file storage. They need to control capacity assigned to different development projects. Which feature meets the customer\\'s requirements?

A. File System Tree Quotas

B. Unity Compression for File

C. Host I/O Limits

D. IP Multi-tenancy

Correct Answer: D

QUESTION 4

A customer is using High Consistency mode for replication with a Dell EMC SC9000. What will happen if the remote DR volume is unavailable?

A. Writes will stop to the source volume if the connection to the remote DR volume is unavailable

B. All access to the source volume will be prohibited, replication will need to be reconfigured

C. Writes will continue to the source volume and synchronize once the remote DR volume is available

D. Automated failover will occur, reconnecting the replication from the surviving controller

Correct Answer: A

QUESTION 5

When designing a Dell EMC SC Series solution, where can be found technical documents regarding specific applications?

A. Partner portal

B. TechCenter

C. Dell Support site

D. SC Series Deployment guides

Correct Answer: B

QUESTION 6

What is the main advantage of sizing a Dell EMC SC Series array focusing on IOPS when using the 95th percentile instead of peak values?

A. Provides a properly sized and accurately priced solution

B. Reduces complexity in preparing a properly sized solution

C. Provides a secure solution with data efficiency

D. Demonstrates a clear relationship between customer needs and offerings

Correct Answer: A

QUESTION 7

Which Dell EMC Unity design consideration must be accounted for if the Native SANCopy Import feature is to be used?

A. Failover mode 4 needs to be enabled for all Unity LUNs

B. A Fibre Channel port from each Storage Processor is required

C. Capacity must be allocated for SANCopy Reserved LUN Pool LUNs

D. Hot access of data will require PowerPath Multipathing software

Correct Answer: C

Reference: https://www.emc.com/collateral/white-papers/h15163-emc-unity-migration-technologies.pdf

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QUESTION 8

Which Dell EMC SC Series model presents an all-in-one format, including dual-controllers and disks enclosures in a single chassis?

A. SC40

B. SC4020

C. SC8000

D. SC9000

Correct Answer: B

Reference: http://www.dell.com/en-us/work/shop/povw/dell-compellent-sc4020

QUESTION 9

You are designing a Dell EMC Unity solution for a customer who requires space efficiency. In addition, they want a local form of protection from data loss or corruption accidently caused by a user.

Which Unity feature meets these requirements?

A. Local LUN Move

B. Replication

C. Snapshots

D. D@RE

Correct Answer: C

QUESTION 10

A customer requires a minimum of 6 PB of raw capacity and six back-end SAS connections. Which Dell EMC Unity model meets these requirements?

A. Unity 350F

B. Unity 400

C. Unity 450F

D. Unity 500

Correct Answer: D

Reference: https://www.emc.com/collateral/data-sheet/h14957-unity-all-flash-family-ss.pdf

QUESTION 11

You are designing a solution for a customer who is sensitive to capacity needs. In addition, they require low latency for large write I/Os. Which Dell EMC midrange storage solution will meet the customer\\'s requirements?

A. Unity All-Flash: Parity RAID, Dynamic Pool, and Flash 2 drives SC Series: Data Progression and write-intensive SSDs on Tier 1

B. Unity All-Flash: Parity RAID, FAST VP, and FAST Cache SC Series: FastTrack and write-intensive SSDs on Tier 1

C. Unity All-Flash: Parity RAID, Dynamic Pool, and Flash 3 drives SC Series: Data Progression and read-intensive SSDs on Tier 1

D. Unity All-Flash: Striping RAID, FAST VP, and FAST Cache SC Series: FastTrack and read-intensive SSDs on Tier 1

Correct Answer: D

QUESTION 12

A customer wants to integrate a Dell EMC Unity Hybrid system with a Linux OS host running on Oracle application. The Oracle application requires that the database files are deployed on a large amount of spindles to meet a low I/O latency requirement. In addition, the customer wants to use the available Unity drives and deploy the database on 10K RPM SAS or NL-SAS, reducing the number of required spindles. Which Unity feature will enable the proposed solution to provide effective storage utilization and optimized performance?

A. Dynamic Pools

B. FAST Cache

C. Traditional Pools

D. FAST VP

Correct Answer: A

QUESTION 13

A customer has an OLTP application running on a host accessing Dell EMC Unity Block storage. The application performance is experiencing CPU bottlenecks caused by iSCSI workloads. As a result, you are recommending the addition of an expansion module with an iSCSI Offload engine to the Unity system.

Which Unity expansion module is recommended?

A. 2-port 10 GB/s iSCSI module with SFP

B. 4-port 1 GB/s GbaseT module RJ45

C. 4-port 10 GB/s iSCSI module with SFP

D. 4-port 10 GB/s GbaseT module RJ45

Correct Answer: B

QUESTION 14

In a Dell EMC Unity environment, which design configuration will support synchronous replication?

A. Consistency Groups on a UnityVSA system

B. Consistency Groups on a Unity 450F system

C. NFS datastores on a UnityVSA system

D. NFS datastores on a Unity 450F system

Correct Answer: B

QUESTION 15

What is a benefit of using single-tier Flash with Dell EMC SC Series?

A. Support for write-intensive and read-intensive SSDs in the same tier

B. RAID 5/RAID 6 is converted to RAID 10 for increased efficiency

C. Snapshot data is sent to RAID 10 write-intensive SSDs to optimize capacity

D. Writes are sent to RAID 10 write-intensive SSDs for better performance

Correct Answer: A

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