

Specialist - Implementation Engineer, Unity Solutions Exam

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Question 1

A storage administrator has requested a recommendation on upgrading their VNX5600 to a comparable Unity storage array. The solution requires a maximum capacity of 3.5 PB.

To meet the administrator's requirement without over provisioning the capacity, which Unity Hybrid storage array is recommended?

Options:

- A. Unity 300
- B. Unity 400
- C. Unity 500
- D. Unity 600

Answer: D

Explanation:

Unity 600 delivers 1.2 TB to 3.0 PB max raw capacity.

Incorrect Answers:

- A: Unity 300 delivers 3.6 TB to 900 TB max raw capacity
- B: Unity 400 delivers 1.2 PB to 1.5 PB max raw capacity
- C: Unity 500 delivers 1.2 TB to 2.1 PB max raw capacity

Reference: <https://store.emc.com/us/Product-Family/EMC-Unity-Products/EMC-Unity-600-Hybrid-Flash-Storage/p/EMC-Unity-600-Hybrid-Storage>

Question 2

Which feature is supported on a UnityVSA operating environment?

Options:

- A. Asynchronous Replication
- B. MCC Write Caching
- C. Quick Start Pool Provisioning
- D. Data at Rest Encryption

Answer: A

Explanation:

Asynchronous Unified Replication is available natively on UnityVSA. This allows file and block resources to be replicated between UnityVSA systems, between UnityVSA and physical Unity systems, and also locally back to the same UnityVSA system

Question 3

A storage administrator is configuring a storage pool on a Unity system containing Flash disks and SAS disks. What tier will the system assign to each of the disk types?

Options:

- A. Flash: Extreme Performance
SAS: Performance
- B. Flash: Performance
SAS: Capacity
- C. Flash: Extreme Performance
SAS: Capacity
- D. Flash: Capacity
SAS: Performance

Answer: A

Explanation:

Hybrid pools can have up to 3 tiers (Extreme Performance, Performance, and Capacity).
For the Extreme Performance tier, use only SAS Flashdrives.
For the Capacity tier, use only SAS drives.

Question 4

What describes the LUN Snapshot Copy operation?

Options:

- A. Parent cannot be a snapshot copy
Can only copy a detached snapshot

Has an independent Retention Policy from the parent

B. Parent can be a snapshot copy

Can only copy a detached snapshot

Has an independent Retention Policy from the parent

C. Parent can be a snapshot copy

Can copy an attached or detached snapshot

Inherits the parent Snapshot Retention Policy

D. Parent cannot be a snapshot copy

Can copy an attached or detached snapshot

Inherits the parent Snapshot Retention Policy

Answer: B

Explanation:

Note: You can create copies of LUNs by cloning LUNs from the Snapshot copies in a volume. These FlexClone LUNs are readable and writable copies of the LUNs as the LUN existed when the Snapshot copy was created. Before you can clone a LUN, you must create a Snapshot copy (the backing Snapshot copy) of the LUN you want to clone.

References: <https://library.netapp.com/ecmdocs/ECMP1368845/html/GUID-E0660F7B-491B-4AA0-A1A8-22B12DC6917D.html>

Question 5

DRAG DROP

What is the correct sequence of steps taken by the storage array when an AC power failure is detected?

Select and Place:

Array is powered down	STEP 1
BIOS loads the PMP firmware	STEP 2
Storage Processors reset and goes into Low Power mode	STEP 3
Power is switched to the BBU and SPs are reset	STEP 4
SP Cache dirty pages are written to flash	STEP 5

Options:

A.

	Storage Processors reset and goes into Low Power mode
	Power is switched to the BBU and SPs are reset
	BIOS loads the PMP firmware
	SP Cache dirty pages are written to flash
	Array is powered down

Answer: A

Explanation:

The Battery Backup Unit (BBU) provides power to the Storage Processor in the event that cabinet power is lost. The BBU is designed to power the SP long enough for the system to store SP cache content to the M.2

SSD device before powering down. The BBU includes sensors which communicate its charge and health

status to the SP. In the event the BBU is discharged the SP will disable cache until the BBU has recharged. In the event the BBU has faulted or cannot sustain enough charge, an alert will be generated.

References: <https://www.emc.com/collateral/white-papers/h15084-emc-unity-introduction-to-the-unity-platform.pdf>

Question 6

Which Unity feature provides a high bandwidth connection for large file transfers, enables proactive Service Request generation and usage license reporting, and operates on a 24x7 basis?

Options:

- A. EMC Service Center
- B. Software Licensing Central
- C. Unisphere Central
- D. EMC Secure Remote Services

Answer: D

Explanation:

Benefit from secure, high-speed, 24x7 predictive monitoring and remote repair for your EMC information infrastructure. EMC Secure Remote Services (ESRS) enables EMC Customer Service to identify and proactively resolve potential issues before they can impact your business.

Incorrect Answers:

C: Unisphere Central enables administrators to remotely monitor multiple EMC VNX Series, EMC VNXe Series, EMC CLARiiON CX4 Series, and EMC vVNX storage systems residing on a common network.

Question 7

What is the minimum VMware Hypervisor version a server must be running in order to support the deployment of a UnityVSA system?

Options:

- A. 4.0
- B. 5.0
- C. 5.5
- D. 6.0

Answer: C

Explanation:

UnityVSA requirements include: VMWare ESXi 5.x, 6.x

References: <http://sweden.emc.com/products-solutions/trial-software-download/unity-vsa.htm>

Question 8

Which technology is used by Unity Snapshots?

Options:

- A. Copy on First Write
- B. Inline Deduplication
- C. Redirect on Write
- D. Block Compression

Answer: C

Explanation:

The technology used for snapshots of both block and file resources in Unity is called redirect on write.

Question 9

A system administrator is configuring asynchronous remote replication for an existing NAS server and its' file systems on a Unity system. What should the administrator create to ensure all data is replicated for the NAS server and the file system?

Options:

- A. Replication sessions on each file system only
- B. Replication sessions for each file system first and then the NAS server
- C. A replication session on the NAS server and then manually create replication sessions on each file system
- D. A replication session for only the NAS server

Answer: D

Explanation:

Before File Systems or VMware NFS Datastores can be replicated, the NAS Server must be replicated.

Question 10

A storage administrator is implementing FAST Cache on a Unity 500 storage array and can select from a mix of SSD drives. Which drive types can be configured to meet the administrator's requirements?

Options:

- A. 200 GB and 400 GB

- B. 400GB and 1.6 TB
- C. 1.6 TB and 3.2 TB
- D. 3.2 TB and 800 GB

Answer: A

Explanation:

Unity 500 FAST Cache is only supported by 200 GB and 400 GB SSD hard drives.

Reference: <http://www.emc.com/collateral/data-sheet/h14958-unity-hybrid-family-ss.pdf> (page 5)

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