

HPE2-K42^{Q&As}

Designing HPE Nimble Solutions

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QUESTION 1



DRAG DROP

List the steps of how the AF-Series handles blocks during write operation when they reach DRAM in the correct order.

Select and Place:

<u>STEPS</u>		<u>ORDER</u>
Blocks are formed into a sequential stripe write.	 	
Variable block compression is applied.		
Blocks are written to SSD and are indexed in DRAM.		
Variable block deduplication is applied.		

Correct Answer:

<u>STEPS</u>		<u>ORDER</u>
	 	Variable block deduplication is applied.
		Variable block compression is applied.
		Blocks are formed into a sequential stripe write.
		Blocks are written to SSD and are indexed in DRAM.

Reference:

https://www.academia.edu/34785774/NTS-2001-I_Nimble_Introduction_and_Administration_Course_Revision_5

QUESTION 2

Which kind of licensing approach do HPE Nimble arrays use?

- A. capacity-based licensing
- B. controller-based licensing
- C. all-inclusive licensing
- D. frame-based licensing

Correct Answer: C

QUESTION 3

How can controller failover be performed? (Choose two.)

- A. In CLI, use the command: failover.Perform it online via InfoSight.
- B. In WebUI, on the array level, click MAKE ACTIVE.
- C. In OCP, press the Failover button.
- D. Perform it online via InfoSight.

Correct Answer: AB

QUESTION 4

Which setting of the volume reserve parameter disables thin provisioning?

- A. The ratio in % of SSD cache versus HDD storage (in HF-series only)
- B. 0%
- C. all above 80%
- D. 100%

Correct Answer: D

Reference: <https://community.hpe.com/t5/HPE-Storage-Tech-Insiders/Nimble-Storage-InfoSight-Reveals-Extensive-Usage-of-Thin/ba-p/6986703#.XBHyBsRR2kw>

QUESTION 5

What is the correct power on/off order of the All Flash-Series? (Choose two.)

- A. power off the controller shelf first, then the expansion shelves
- B. power on controller shelf first, then the expansion shelves
- C. power on expansion shelves first, then the controller shelf
- D. power off the expansion shelves first, then the controller shelf

Correct Answer: AC

Reference: https://www.reddit.com/r/storage/comments/3ii6dt/nimble_array_remote_shutdown_during_power_outage/

QUESTION 6

Which technology is utilized by AF-Series deduplication?

- A. XORing
- B. block-by-block compare

- C. MD5 hashing
- D. SHA2-256 encryption

Correct Answer: D

QUESTION 7

Following HPE best practices, when connecting a head unit to an expansion shelf, what port on the expansion shelf should you connect into?

- A. P4
- B. P1
- C. P3
- D. P2

Correct Answer: D

QUESTION 8

What are the recommended tests you should run after the initial setup? (Choose two.)

- A. zoning validation
- B. email alert setup test
- C. data access verification
- D. controller failover test

Correct Answer: CD

QUESTION 9

DRAG DROP

Match the event log severity levels to their descriptions.

Select and Place:

SEVERITY

All
Critical
Info
Warning

DESCRIPTION

An event has occurred that does not require action to be taken and does not affect system performance. This level of event is useful for troubleshooting or for determining system trends.
An event has occurred that might impact system performance. Action will likely be necessary, but no damage will occur if the action is not taken immediately.
An event has occurred that requires immediate attention. Data loss or hardware damage may occur if action is not taken quickly. It also triggers email notification, defined on the ADMINISTRATION tab.
Events are shown regardless of severity. Manual intervention may or may not be needed.

Correct Answer:

SEVERITY

DESCRIPTION

Info	An event has occurred that does not require action to be taken and does not affect system performance. This level of event is useful for troubleshooting or for determining system trends.
Warning	An event has occurred that might impact system performance. Action will likely be necessary, but no damage will occur if the action is not taken immediately.
Critical	An event has occurred that requires immediate attention. Data loss or hardware damage may occur if action is not taken quickly. It also triggers email notification, defined on the ADMINISTRATION tab.
All	Events are shown regardless of severity. Manual intervention may or may not be needed.

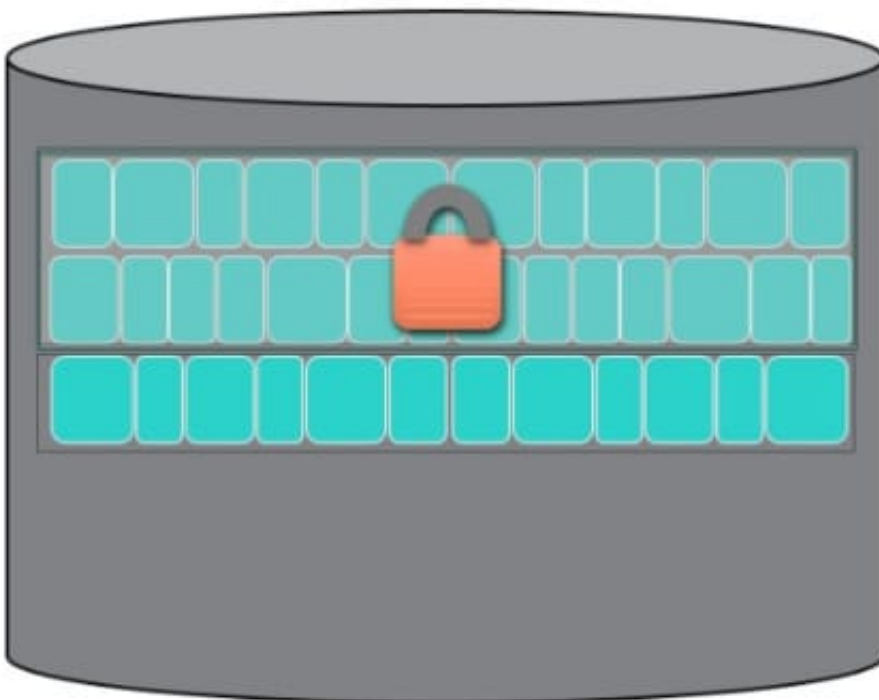
QUESTION 10

HOTSPOT

Select the snapped data snapshot area.

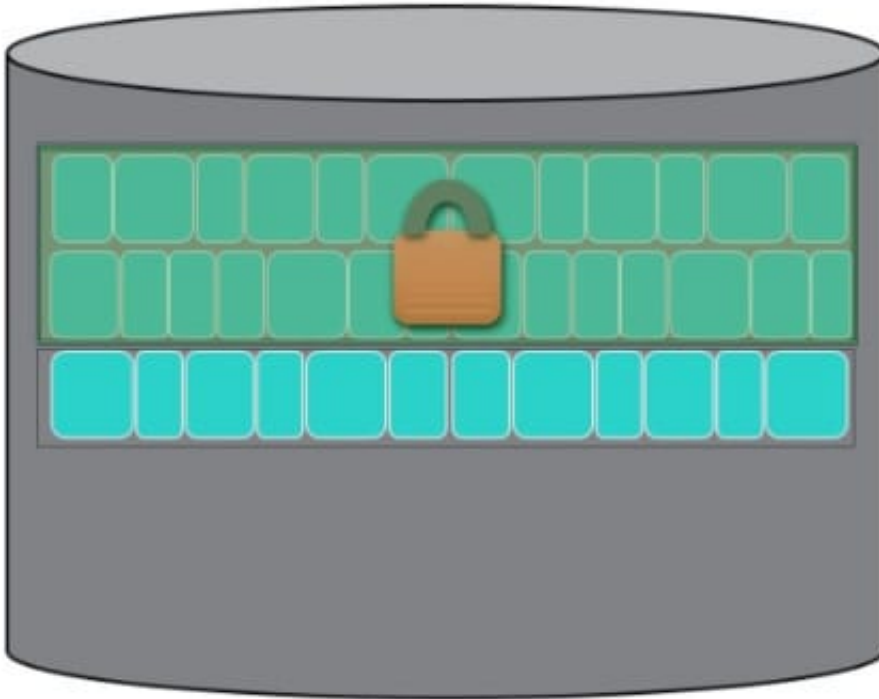
Hot Area:

Image number 230105



Correct Answer:

Image number 230105



QUESTION 11

Which statement is true about removing an expansion shelf after it is activated?

- A. It can be removed from the solution after you migrate data to another volume.
- B. It can be removed from the solution after you migrate to another RAID group.
- C. It cannot be removed from the solution.
- D. It can be removed from the solution after you use the ungroup CLI command or perform the ungroup action from WebGUI.

Correct Answer: C

Reference: NTS-2001-I_Nimble_Introduction_and_Admin.pdf

QUESTION 12

What is the size of a sequential stripe write for the AF-Series?

- A. 8MB
- B. 10MB
- C. 256MB

D. 1GB

Correct Answer: B

Reference: Nimble introduction and admin.pdf

QUESTION 13

DRAG DROP

List basic replication steps in the correct order.

Select and Place:

Steps	Order
The entire volume is copied to the replica partner.	
Replicate only changes that have occurred.	
Define the replication schedule.	⬅️ ⬆️
Create a replication partnership.	➡️ ⬇️

Correct Answer:

Steps	Order
	Create a replication partnership.
	Define the replication schedule.
	The entire volume is copied to the replica partner.
	Replicate only changes that have occurred.

QUESTION 14

Which prerequisites must be fulfilled before starting the array initialization? (Choose three)

- A. HPE Nimble Windows Toolkit installed on a server/laptop.
- B. Ensure your laptop/server IP has a static IP address configured on the same subnet as the array management interface.
- C. Array updated to the latest firmware.
- D. All switch configurations done like flow control and spanning tree.
- E. Array registered in InfoSight based on the serial number.
- F. HPE Service Processor deployed

Correct Answer: ABC

QUESTION 15

What is the maximum number of expansion shelves that HF-Series models can support?

- A. 2
- B. 3
- C. 6
- D. 12

Correct Answer: C

Reference: <https://h20195.www2.hpe.com/v2/GetPDF.aspx/a00008274enw.pdf>

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