



HPE2-K42^{Q&As}

Designing HPE Nimble Solutions

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QUESTION 1

Which deduplication approach does the AF-Series use?

- A. object-level differencing
- B. post-process deduplication
- C. host-based deduplication
- D. inline deduplication

Correct Answer: D

QUESTION 2

DRAG DROP

Match the general DR operations to their descriptions.

Select and Place:

Operation

Demote

Handover

Promote

Description

Graceful transition between two sites (no data loss)

Making the DR site primary with the data it has (possible data loss)

Clearing ownership status from a former source

Correct Answer:

Operation

Description

Handover

Graceful transition between two sites (no data loss)

Promote

Making the DR site primary with the data it has (possible data loss)

Demote

Clearing ownership status from a former source



QUESTION 3

A tebibyte (TiB) is compressed of how many gigabytes (GB)?

- A. 900
- B. 1000
- C. 1024
- D. 976, 565

Correct Answer: C

Reference: <https://www.quora.com/How-many-GB-are-in-1-TB>

QUESTION 4

Which statement is true about SSD addition/removal in the HF-Series system? (Choose two.)

- A. SSDs cannot be added or removed.
- B. SSDs can be added to the existing cache pool.
- C. SSDs can be removed from the existing cache pool.
- D. SSDs can only be removed if no volumes exist

Correct Answer: BD

QUESTION 5

Which tools can you use on a Windows host to connect to iSCSI volumes on an HPE Nimble array? (Choose two.)

- A. HPE Nimble Connection Wizard
- B. Microsoft iSCSI Initiator
- C. HPE Nimble Connection Manager
- D. HPE Nimble Windows Toolkit

Correct Answer: CD

Reference: <https://community.hpe.com/t5/HPE-Storage-Tech-Insiders/Nimble-OS-2-0-Part-2-Nimble-Connection-Manager-for-Windows/ba-p/6986545>

QUESTION 6

What does each AF-Series data chunk contain? (Select three.)



- A. metadata
- B. triple parity
- C. hash data
- D. parity
- E. ECC
- F. data

Correct Answer: ADF

Every chunk in a stripe consists of Data, Metadata (checksums, sequence number, etc...), and Parity (XOR of Data).

QUESTION 7

What are primary components of AF controller head shelf? (Choose three.)

- A. removable NVDIMM
- B. hard disk drives
- C. solid state disks
- D. dual power supplies
- E. dual controllers
- F. management controller

Correct Answer: CDE

Reference: NTS-2001-I_Nimble_Introduction_and_Admin.pdf

QUESTION 8

How do AF-Series arrays perform sequential stripe write operations?

- A. hole filling
- B. write full stripes
- C. write into zone
- D. write in place

Correct Answer: D

QUESTION 9



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 10

Which statement is correct about HPE InfoSight?

- A. InfoSight is included with all HPE Nimble arrays for no additional cost.
- B. InfoSight is enabled for all arrays with active ProActive Care contracts.
- C. InfoSight is available as plug-in for VMWare vCenter and Microsoft SystemCenter.
- D. InfoSight is accessible through the HPE Service Processor.

Correct Answer: A

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 are primary HPE Nimble SmartReplicate components? (Choose three.)

- A. partner



- B. snapshot schedule
- C. replication group
- D. sync partner
- E. throttle

Correct Answer: ABE

QUESTION 13

DRAG DROP

List in the correct order what the system will do when you perform a handover action.

Select and Place:

<u>ACTION</u>		<u>ORDER</u>
Brings the newly replicated volumes online.		
Replicates these snapshots to a downstream replication partner.		
Reverses replication roles/direction.		
Takes a snapshot of all associated volumes.	➤	⬆
Takes all associated volumes offline.	⬅	⬇
Transfers ownership of the volume collection to the partner.		

Correct Answer:

<u>ACTION</u>		<u>ORDER</u>
		Takes all associated volumes offline.
		Takes a snapshot of all associated volumes.
		Replicates these snapshots to a downstream replication partner.
	➤	Transfers ownership of the volume collection to the partner.
	⬅	Brings the newly replicated volumes online.
		Reverses replication roles/direction.

QUESTION 14

How do HF-Series arrays handle caching since NimbleOS 2.2+?

- A. access-based eviction
- B. first in, first out (FIFO)



C. Adaptive Flash Cache (AFC)

D. Most Recently Used (MRU)

Correct Answer: C

QUESTION 15

What are valid HPE Nimble Windows Toolkit (NWT) prerequisites? (Choose three.)

A. MPIO enabled

B. running iSCSI service

C. Microsoft PowerShell 3.0

D. .NET Framework 4.5.2 or above

E. Java JRE 1.6.0 or above

Correct Answer: ACD

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