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**HP**

# HPE2-K42

*Designing HPE Nimble Solutions*

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### Question: 50

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

Answer: D

### Question: 51

Volume pinning is a technology that applies to which series of HPE Nimble arrays?

- A. AF-Series
- B. CF-Series
- C. All series
- D. HF-Series

Answer: A

### Question: 52

Which statement is correct about Zero copy clones? (Choose two.)

- A. It is mandatory for customers requiring RPO=0.
- B. It is required for replication to a Secondary Flash Array's for optimal data protection.
- C. It is a full copy of all data blocks for full performance.
- D. it allows a volume to be created for online use, based on a snapshot.
- E. It occupies no additional space until new data is written or changed.

Answer: DE

Reference: <https://cdm-cdn.nimblestorage.com/2016/12/21081103/tr-nimblestorage-oracle-test-dev-guide.pdf>

### Question: 53

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.

Answer: AB

### Question: 54

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

Answer: C

Question: 55

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.	

Navigation icons: Left arrow, Right arrow, Up arrow, Down arrow.

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.

Navigation icons: Left arrow, Right arrow, Up arrow, Down arrow.

Question: 56

What is a valid QoS performance setting?

- A. latency threshold
- B. IOPS minimum

- C. IOPS limit
- D. MB/s minimum

Answer: C

**Explanation:**

*QoS-Limit allows a user to limit either the IOP or MB/s performance of a specific workload. Having the ability to limit both IOPS and MBs is important as quite often any single workload will have different peaks and troughs during the operational day. For instance, an OLTP workload maybe very latency sensitive to small block updates during the working day when rows and tables are frequently being accessed or updated (this will tend to be very IOP/latency sensitive) yet in the evening the same database maybe receiving feeds from other systems (or providing bulk updates/analysis or index rebuilds), the same application will cease to be IOP sensitive and will now be bandwidth (MBs) sensitive. In NimbleOS4 a user can limit a workload by either IOPS or MBs and also specify limits to both IOPS and MBs. If either limit is reached then the volume will be restricted accordingly.*

*Reference: <https://community.hpe.com/t5/HPE-Storage-Tech-Insiders/NimbleOS-4-Quality-of-Service-QoS-Limits/ba-p/6986455#.XBEAvMRR2kw>*

**Question: 57**

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

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

Answer: ABE

**Question: 58**

How should the All-Flash shelf be connected to the controller shelf?

- A. Cable the All-Flash shelf directly to the last disk shelf.
- B. Cable the All-Flash shelf directly to the controller shelf.
- C. Use high performance SAS expanders.
- D. Cable the All-Flash shelf directly to the first disk shelf.

Answer: B

**Question: 59**

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

Answer: AC

*Reference: [https://www.reddit.com/r/storage/comments/3ii6dt/nimble\\_array\\_remote\\_shutdown\\_during\\_power\\_outage/](https://www.reddit.com/r/storage/comments/3ii6dt/nimble_array_remote_shutdown_during_power_outage/)*

**Question: 60**

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**

Answer: ABC

Question: 61

How is SmartReplicate licensed?

- A. per array**
- B. free of charge**
- C. per target**
- D. based on capacity (per 1TB)**

Answer: B

Reference: <https://community.hpe.com/t5/Array-Performance-and-Data/Nimble-SmartSnap-SmartReplication-vs-EMC-RecoveryPoint/td-p/6983058#.XBCRDsRR2kw>

Question: 62

What is the maximum number of banks in an AF-Series array?

- A. 1**
- B. 2**
- C. 3**
- D. 4**

Answer: B

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