HPE2-K42^{Q&As}

Designing HPE Nimble Solutions

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QUESTION 1

Which snapshot technology do HPE Nimble arrays use?

A. ROW

B. ROW with sweeping

C. COW

D. COW with sweeping

E. ROW with defragmentation

Correct Answer: A

QUESTION 2

DRAG DROP

Match the event log severity levels to their descriptions.

Select and Place:

SEVERITY		DESCRIPTION
All		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.
Critical		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.
Info		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.
Warning		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 3

What unique RAID technology did HPE Nimble create?

A. RAID-ADG

B. Network-RAID 10

C. Triple+ Parity RAID

D. RAID 6+

Correct Answer: C

QUESTION 4

How can you check which controller is in Standby mode? (Choose two.)

A. In WebU, select Controllers.

B. Use the command: showsys.

C. In WebUI, select Manage Arrays

D. Use the command: ctrl --list

Correct Answer: CD

QUESTION 5

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 6

Which type of snapshots do we create when not using App Synchronization?

A. application consistent

B. crash consistent

C. cluster consistent

D. VM consistent

Correct Answer: A

QUESTION 7

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

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QUESTION 8

What is a valid QoS performance setting?

A. latency threshold

B. IOPS minimum

C. IOPS limit

D. MB/s minimum

Correct Answer: C

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

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QUESTION 9

Which properties of volumes must be the same in order for deduplication to take place between them? (Select two.)

A. They must both be unable to be replicated

B. They must both have compression disabled

C. They must have the same block size

D. They must have the same app category

Correct Answer: BD

QUESTION 10

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 11

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 12

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 13

HOTSPOT
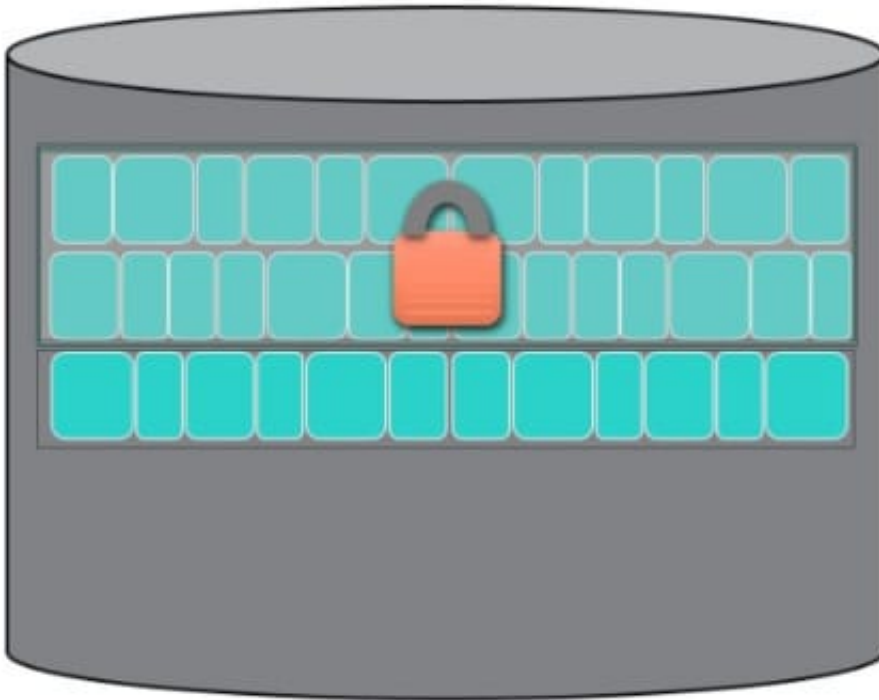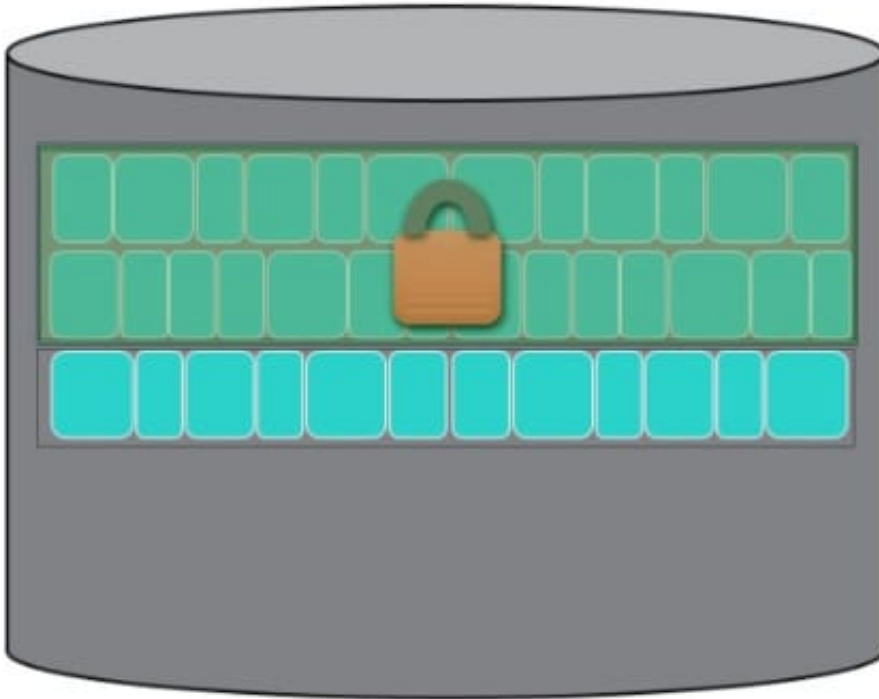
Select the snapped data snapshot area.

Hot Area:

Image number 230105

Correct Answer:

Image number 230105

QUESTION 14

Which compression algorithm do all HPE Nimble arrays use?

A. PPM

B. bzip2

C. LZ4

D. LZ77

Correct Answer: C

QUESTION 15

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