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Exam : **HP HP0-460**

Title : Implementing HP XP12000/10000
Solution Fundamentals

Update : Demo



1.To assign LUN 6 on port CL1-A to an HP-UX host, which two must first be done? (Select two.)

- A.format LUN 6
- B.create a command device
- C.set the port topology on CL1-A
- D.select the appropriate host group

Correct:C D

2.Which two statements are true about host groups? (Select two.)

- A.There can be more than one host type in a host group.
- B.Multiple ports cannot be placed into a single host group.
- C.The same WWNs can be listed in multiple host groups.
- D.Once a LUN number is used in a host group, it cannot be used in another host group.

Correct:B C

3.Which configuration change requires a port to temporarily go offline?

- A.assigned LUN 0
- B.creating a new host group
- C.changing the port topology
- D.changing a LUN to a command device

Correct:C

4.A LUN is seen by a SUN host, but is unable to be written to. What might cause this?

- A.LDEV is in the wrong CU table.
- B.The command device is not configured.
- C.The WWN in Secure Manager is incorrect.
- D.The incorrect host mode is set in the host group.

Correct:D

5.Which three statements are true about Business Copy S-VOL? (Select three.)

- A.S-VOLs are updated asynchronously.
- B.An S-VOL is a secondary or mirrored volume.
- C.An S-VOL must be paired with only one P-VOL.
- D.An S-VOL must be of same RAID level as its P-VOL.
- E.An S-VOL is always available to all hosts for read and write I/O operations.

Correct:A B C

6.With Business Copy XP, how many secondary volumes can be created in the first tier, and how many copies can be created for a single secondary volume?

- A.2; 2
- B.2; 8
- C.3; 2
- D.3; 9

Correct:C

7.Which BC state allows an S-VOL to be read and write accessible?

- A.PAIR
- B.PSUS
- C.COPY (PD)
- D.COPY (RS)

Correct:B

8. After a BC pair is split, data are written to both the P-VOL and S-VOL. What happens during resync?

- A. full copy from P-VOL to S-VOL
- B. full copy from S-VOL to P-VOL
- C. delta copy from P-VOL to S-VOL
- D. delta copy from S-VOL to P-VOL

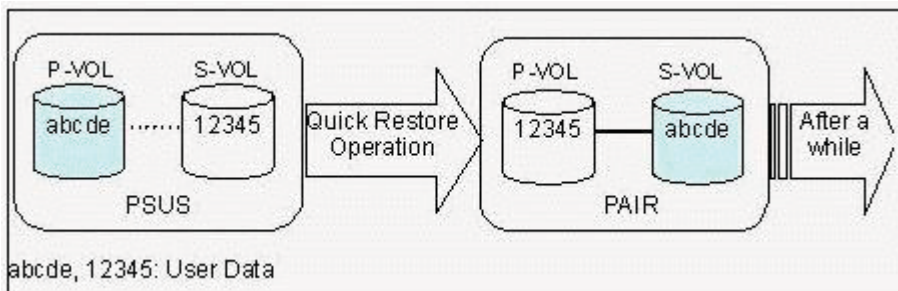
Correct:C

9. Which three factors affect Business Copy operation times for initial copy to complete? (Select three.)

- A. shared memory
- B. workload on XP array
- C. number of CHIP pairs
- D. HDD Performance (Spindle Speed)
- E. P-VOL and S-VOL locations (such as different RAID groups, ACP pairs)

Correct: B D E

10. Click the Exhibit button. With Swap and Freeze enabled on Business Copy XP, which represents the state of the data after the quick restore operation?



- A. P-VOL=12345;S-VOL=12345
- B. P-VOL=12345;S-VOL=abcde
- C. P-VOL=abcde;S-VOL=12345
- D. P-VOL=abcde;S-VOL=abcde

Correct:B

11. Which three statements about OPEN-V volumes are true? (Select three.)

- A. OPEN-V volumes with different sizes can be created in one and the same parity group.
- B. Space freed by deleting OPEN-V volumes can be re-used for the creation of new OPEN-V volumes.
- C. Single OPEN-Vs can be deleted from a parity group without affecting other OPEN-Vs in the same parity group.
- D. The take Volume function is used to create additional OPEN-V volumes without affecting other OPEN-Vs in the same parity group.

Correct:A B C

12. Which statement is true about LUSE?

- A. A LUSE volume cannot be extended online.
- B. Existing LUSE volume cannot be expanded.
- C. A path defined LDEV cannot be added to the LUSE.

D.A LUSE volume can be decreased in size without losing data.

Correct:C

13.What is the purpose of the "Make Volume" function in Remote Web Console?

- A.creating LUSE volumes
- B.creating Open-3 volumes
- C.creating Open-V volumes
- D.assigned Open-V volumes to host ports

Correct:C

14.Which two statements are true about LUSE volumes on the XP12000? (Select two.)

- A.A LUSE volume can be created from different CUs.
- B.A LUSE volume can be created with different emulation types.
- C.A LUSE volume can be created with LDEVs of different parity groups.
- D.A LUSE volume can be increased in size only if it has no paths defined.
- E.A LUSE volume can only be created with LDEVs with contiguous LDEV numbers.

Correct:A C

15.In order to achieve maximum cache bandwidth in an XP12000, what combination of components is required?

- A.Base Cache Platform + Base Cache Switch
- B.Base Cache Platform + Optional Cache Switch
- C.Optional Cache Platform + Base Cache Switch
- D.Optional Cache Platform + Optional Cache Switch

Correct:D

16.What is an important design consideration when configuring an XP array?

- A.Inadequate cache causes poor random performance.
- B.Inadequate number of CHIP ports can cause poor sequential performance.
- C.Inadequate SCSI queues on the server can cause poor overall performance.
- D.Inadequate number of array groups can cause poor performance, regardless of cache size.

Correct:D

17.A customer has an XP12000 with a single ACP pair and the R1 DKU. The customer decides to add the R2 DKU. Which three statements are true about the ACP pairs controlling the DKUs? (Select three.)

- A.An additional ACP pair must be added to add the R2 DKU.
- B.It is not necessary to add an additional ACP pair to add the R2 DKU.
- C.The customer can utilize up to three additional ACP pairs in this configuration.
- D.Adding an additional ACP pair can increase back end performance to the DKUs.
- E.Adding an additional ACP pair increases the number of HDDs that can be added to the DKUs.

Correct:B D E

18.Calculate the number of array groups required to meet the customer's usable storage requirements of 2TB using RAID0/1(2D + 2D) consisting of 73GB 15K disks.

- A.7
- B.9
- C.14
- D.28

Correct:C

19.Which two statements are true about disks inside the XP10000/12000? (Select two.)

- A.A 15k rpm HDD can spare for a 10k rpm HDD.
- B.A parity group must consist of at least 4 drives.
- C.RAID 5 (7+1) must span across two ACP pairs.
- D.RAID types can be different on the same ACP pair.
- E.LDEVs can be different across parity groups, but not ACPs.

Correct:B D

20.Which three components could cause a hotspot? (Select three.)

- A.SVP pair
- B.ACP pair
- C.CHIP pair
- D.shared memory
- E.array group (LDEV)

Correct:B C E

21.An additional spare disk is recommended for which RAID level?

- A.2D + 2D
- B.3D + 3P
- C.4D + 4P
- D.7D + 1P

Correct:D

22.A customer requires 24x7x365 uptime. Which statement describes upgrading the XP12000 microcode without losing host connectivity or I/O?

- A.Dual paths to the XP are necessary.
- B.This cannot be done. The host(s) must go offline.
- C.Auto Path or Secure Path failover software must be used.
- D.The CHIP ports will be offline for a short duration that there will be no SCSI timeouts.
- E.Each CHIP port has a backup processor allowing single path online microcode upgrade.

Correct:E

23.Which statement is true regarding data movement through the XP12000?

- A.Data from external storage arrays cannot be cached in the XP12000.
- B.LUNs from external storage arrays are connected through the CSW cache switches.
- C.LUNs from external storage arrays are accessed through the FSW back end switches.
- D.Both external hosts and external storage arrays attach to the XP12000 via front end CHIP ports.

Correct:D

24.Your customer has connected an MSA1000 to an XP12000 using External Storage XP. What XP disk array software tools can be used with the external disk array? (Select three.)

- A.Auto LUN XP
- B.Business Copy XP
- C.Data Exchange XP
- D.LUN Security XP Extension
- E.LUN Configuration and Security Manager XP

Correct:A B E

25. How are external storage LUs distinguished from internal storage LUs when using External Storage XP?

- A. External storage is not viewable when using XP specific tools.
- B. Internal storage LUs and external storage LUs are displayed the same within XP Disk Array tools.
- C. Internal storage LUs are considered LDEVs, whereas external storage LUs are considered VDEVs.
- D. Internal storage LUs can use OPEN-L emulation, whereas external storage LUs use OPEN-E emulation.

Correct: C

26. Which two business benefits does HP StorageWorks External Storage XP provide? (Select two.)

- A. simplified management for all storage arrays
- B. increased availability to external storage arrays
- C. investment protection for external storage arrays
- D. improved performance on external storage arrays

Correct: A C

27. Your customer has an EMC Symmetrix array that is leased. The lease is about to expire, and the customer wishes to migrate the data from the EMC array onto an XP12000. Which XP disk array software tool could be used in this solution?

- A. FlexCopy XP
- B. Business Copy XP
- C. External Storage XP
- D. Continuous Access XP

Correct: C

28. Which statement is true about External Storage XP?

- A. CHIP ports used to connect to external storage cannot be configured as host ports.
- B. Difference Bitmaps for BC volumes on external storage reside on the external storage.
- C. For an XP array used with External Storage XP, external LUs on an XP array not involved in external storage may not be accessed directly.
- D. For an MSA1000 used with External Storage XP, external LUs on an MSA1000 not involved in external storage may be accessed directly.

Correct: A

29. Your customer has identified a need for disk-based backups and online archival storage but has serious budget constraints. Which option could provide cost-effective storage for this opportunity in an XP10000/120000 environment?

- A. LUSE volumes using large RAID 5 parity groups
- B. FlexCopy XP, using volumes from external storage arrays
- C. External Storage XP, using volumes from external storage arrays
- D. OPEN-V Volumes created from unused disk space left over from OPEN-3 and OPEN-9 Volumes

Correct: C

30. A customer would like to buy an XP12000 with 10TB of usable storage, RAID 1, an internal disk for the XP array, and utilize an additional 5TB, RAID1 in external MSA1500 storage. How many TB of LUN Configuration and Security Manager XP must be licensed?

- A. 10TB
- B. 15TB

C.20TB

D.25TB

Correct:D

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