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**Exam** : **HP0-244**

**Title** : Advanced Backup  
Troubleshooting & Tuning

**Version** : DEMO

**1.HP Ultrium tape drives use the ATS (Adaptive Tape Speed) feature. The main purpose of ATS is to increase \_\_\_\_.**

- A.buffer capacity by varying the speed of the tape
- B.tape write speed by adjusting the host transfer rate
- C.overall performance by reducing the number of repositions
- D.tape read speed by adjusting the host transfer rate

**Correct:C**

**2.What is the maximum cable length of an LVD SCSI bus?**

- A.7 m
- B.12 m
- C.20,5 m
- D.25 m

**Correct:B**

**3.What happens if you connect an HVD (High Voltage Differential) HBA (host bus adapter) to an LVD (Low Voltage Differential) tape device?**

- A.The devices function correctly if you setup unique SCSI IDs and have proper termination.
- B.The devices do not function together and you may damage them.
- C.The devices function correctly after setting up the compatibility mode for the HBA.
- D.The devices do not function together unless you use active termination.

**Correct:B**

**4.What is an advantage of the Cartridge Memory (a memory chip located in the cartridge) of the LTO Ultrium technology (LTO-CM) over previous tape technologies?**

- A.It eliminates the need for barcodes and barcode readers in tape libraries.
- B.Data such as tape identity, type, usage and tape contents is read from a chip rather than the system area on tape, which reduces the wear and tear of that particular section.
- C.It contains troubleshooting information from the tape drive which can help to reduce overall repair times.
- D.The Ultrium drive reads data for firmware upgrades from a chip rather than a tape which increases the speed of the upgrade procedure.

**Correct:B**

**5.The DLT tape backward read compatibility of HP SuperDLT drives is possible due to the \_\_\_\_.**

- A.Magneto-Resistive Cluster (MRC) technology
- B.additional magnetic read-head
- C.Pivoting Optical Servo (POS) technology
- D.low-dens mode switch

**Correct:B**

**6.SCSI bus termination is \_\_\_\_.**

- A.optional
- B.required and there must be one terminator for each device on the bus
- C.required and there must be two terminators, one on each end of the bus
- D.required and done automatically by all SCSI devices

**Correct:C**

**7.Which tool, available at the HP web site, can size and configure the ideal backup solution for DAS, NAS and SAN environments using information you specify?**

- A.HP OpenView Data Protector configuration scripiter

- B.Backup Sizing Tool
- C.Enterprise Backup Solution Configuration Matrix
- D.HP StorageWorks Library and Tape Tools

**Correct:B**

**8.Which HP StorageWorks tape drive is the most appropriate choice for enterprise businesses with 150 GB of data to backup?**

- A.DAT 24
- B.DAT 72
- C.DLT VS 80
- D.Ultrium 460

**Correct:D**

**9.Click the Exhibit button. A customer has one single ESL9326D/DX with 4 DLT8000 drives. Which tape drive is supported for the next drives being installed in this library?**

Upgrade to drive	SDLT 220 (Ultra 2 SCSI)	SDLT 320 (Ultra 2 SCSI)	Ultrium 230 (Ultra 3 SCSI)	Ultrium 460 (Ultra 3 SCSI)	Media Partitioning	Media Partitioning	Media Partitioning
Library					DLT8000 & SDLT	SDLT & LTO	Ultrium 230 & 460
ESL9198DLX	Supported	Supported	Supported	Supported	Supported (LVD only)	Supported (LVD only)	Supported
requires	249632-821 ESL9000 SDLT Ext axis kit upgrade 234617-821 ESL 9000 Field Upgrade SDLT220 Add-On LVD Drive	249632-821 ESL9000 SDLT Ext axis kit upgrade 293414-821 ESL9000 LVD SDLT320 drive upgrade 274673-821 ESL9000 5 MB Memory Module	249632-821 ESL9000 SDLT Ext axis kit upgrade 301930-821 ESL9000 LTO Ultrium 230 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF	249632-821 ESL9000 SDLT Ext axis kit upgrade 330834-821 ESL9000 LTO Ultrium 460 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF (configure single drive per SCSI bus) #2400-T60 embedded NSR and M2402 external NSR are Ultra 3 SCSI			
ESL9198SL	Supported	Supported	Supported	Supported	Supported (LVD only)	Supported (LVD only)	Supported
requires	234617-821 ESL 9000 Field Upgrade SDLT220 Add-On LVD Drive	293414-821 ESL9000 LVD SDLT320 drive upgrade 274673-821 ESL9000 5 MB Memory Module	301930-821 ESL9000 LTO Ultrium 230 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF	330834-821 ESL9000 LTO Ultrium 460 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF (configure single drive per SCSI bus) #2400-T60 embedded NSR and M2402 external NSR are Ultra 3 SCSI			
ESL9326D/DX	Supported (HVD only)	Supported (HVD only)	Not supported	Not supported	Supported (HVD only)	Not supported	Not supported
requires	249632-821 ESL9000 SDLT Ext axis kit upgrade 234617-822 ESL 9000 SDLT220 Add-On HVD Drive	249632-821 ESL9000 SDLT Ext axis kit upgrade 293415-821 ESL9000 HVD SDLT320 drive upgrade 274673-821 ESL9000 5 MB Memory Module	X	X		X	X
ESL9326SL	Supported	Supported	Supported	Supported	Supported (LVD only)	Supported (LVD only)	Supported
requires	234617-821 ESL 9000 SDLT220 LVD upgrade Drive	293414-821 ESL9000 LVD SDLT320 drive upgrade 274673-821 ESL9000 5 MB Memory Module	301930-821 ESL9000 LTO Ultrium 230 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF	330834-821 ESL9000 LTO Ultrium 460 Upgrade Drive 274673-821 ESL9000 5 MB Memory Module 302254-821 ESL9000 UNIVERSAL L/OAD PCIF (configure single drive per SCSI bus) #2400-T60 embedded NSR and M2402 external NSR are Ultra 3 SCSI			

- A.DLT 8000 drives only
- B.SDLT220 or SDLT320
- C.DLT8000, SDLT220 or SDLT320
- D.SDLT220, SDLT320 or Ultrium230

**Correct:C**

**10.Click the Exhibit button. A customer installed Virtual Replicator on a Windows 2000 host. Which backup applications are supported for backing up the Virtual Replicator disks? Select TWO.**

STORAGE HARDWARE / SOFTWARE COMPATIBILITY MATRIX		Libraries   AutoLoaders   Operating Systems   RAID Arrays   Infrastructure   Servers   Fibre HBAs SCSI HBAs   Software   Disk Array Multipath   Firmware & Drivers   Backup App Details   Legacy Support									
		February 2004									
	HP Data Protector	Atempo Time Navigator	BakBone NetVault	CA BrightStor ARCserve	CA BrightStor EB	CommVault Galaxy	Legato NetWorker	Syncsort Backup Express	Tivoli Storage Manager	VERITAS Backup Exec	VERITAS NetBackup
<b>OpenView</b>											
Storage Virtual Replicator				✓			✓		✓	✓	✓
OV-SAM	✓			✓	✓	✓	✓	✓	✓	✓	✓
Zero Downtime with XP	✓										
Instant Recovery with XP	✓										
<b>StorageWorks</b>											
Command View for ESL	✓			✓		✓	✓		✓	✓	✓
Continuous Access				✓			✓		✓	✓	NT/WIN2K only
Business Copy EVA	✓	✓		✓		✓	✓		✓	NT/WIN2K only	NT/WIN2K only
Business Copy XP	✓										
<b>Tools and Utilities</b>											
Smart Start	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Insight Manager	✓			✓	✓	✓	✓	✓	✓	✓	✓

- A. HP Data Protector
- B. Legato NetWorker
- C. Tivoli Storage Manager
- D. CommVault Galaxy
- E. CA BrightStor EB

**Correct: B C**