



**Exam Code:** HP0-244

**Exam Name:** Advanced Backup Troubleshooting & Tuning

**Vendor:** HP

**Version:** DEMO

## Part: A

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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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 Answers: 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?

	SDLT 220 (Ultra 2 SCSI)	SDLT 320 (Ultra 2 SCSI)	Ultrium 230 (Ultra 2 SCSI)	Ultrium 460 (Ultra 3 SCSI)	Media Partitioning DLT8000 & SDLT	Media Partitioning SDLT & LTO	Media Partitioning Ultrium 230 & 460
ESL9198DLX requires	Supported 249632-821 ES19000 SDLT Ext.asta 88 upgrade 234617-821 ES1 9000 Field Upgrade SDLT220 Add/Ch. IVD Drive 274673-821 ES19000 5 MB Memory Module	Supported 249632-821 ES19000 SDLT Ext.asta 88 upgrade 293414-821 ES19000 IVD SDLT320 drive upgrade 274673-821 ES19000 5 MB Memory Module	Supported 249632-821 ES19000 SDLT Ext.asta 88 upgrade 301930-821 ES19000 LTO Ultrium 230 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF	Supported 249632-821 ES19000 SDLT Ext.asta 88 upgrade 330834-821 ES19000 LTO Ultrium 460 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF (configure single drive per SCSI bus) #2400-160 embedded NSR and M2400 external NSR are Ultra 3 SCSI	Supported (IVD only)	Supported (IVD only)	Supported
ESL9198SL requires	Supported 234617-821 ES1 9000 Field Upgrade SDLT220 Add/Ch. IVD Drive	Supported 293414-821 ES19000 IVD SDLT320 drive upgrade 274673-821 ES19000 5 MB Memory Module	Supported 301930-821 ES19000 LTO Ultrium 230 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF	Supported 330834-821 ES19000 LTO Ultrium 460 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF (configure single drive per SCSI bus) #2400-160 embedded NSR and M2400 external NSR are Ultra 3 SCSI	Supported (IVD only)	Supported (IVD only)	Supported
ESL9326D/DX requires	Supported (HVD only) 249632-821 ES19000 SDLT Ext.asta 88 upgrade 234617-822 ES1 9000 SDLT220 Add/Ch. HVD Drive	Supported (HVD only) 249632-821 ES19000 SDLT Ext.asta 88 upgrade 293415-821 ES19000 HVD SDLT320 drive upgrade 274673-821 ES19000 5 MB Memory Module	Not supported X	Not supported X	Supported (HVD only)	Not supported X	Not supported X
ESL9326SL requires	Supported 234617-821 ES1 9000 SDLT220- IVD upgrade Drive	Supported 293414-821 ES19000 IVD SDLT320 drive upgrade 274673-821 ES19000 5 MB Memory Module	Supported 301930-821 ES19000 LTO Ultrium 230 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF	Supported 330834-821 ES19000 LTO Ultrium 460 Upgrade Drive 274673-821 ES19000 5 MB Memory Module 302254-821 ES19000 UNIVERSAL ICAD PCRF (configure single drive per SCSI bus) #2400-160 embedded NSR and M2400 external NSR are Ultra 3 SCSI	Supported (IVD only)	Supported (IVD only)	Supported

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

**Correct Answers: 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											
<a href="#">Libraries</a>   <a href="#">AutoLoaders</a>   <a href="#">Operating Systems</a>   <a href="#">RAID Arrays</a>   <a href="#">Infrastructure</a>   <a href="#">Servers</a>   <a href="#">Fibre HBAs</a> <a href="#">SCSI HBAs</a>   <a href="#">Software</a>   <a href="#">Disk Array Multipath</a>   <a href="#">Firmware &amp; Drivers</a>   <a href="#">Backup App Details</a>   <a href="#">Legacy Support</a>											
February 2004											
	HP Data Protector	Atempo Time Navigator	BakBono 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 Answers: B C**