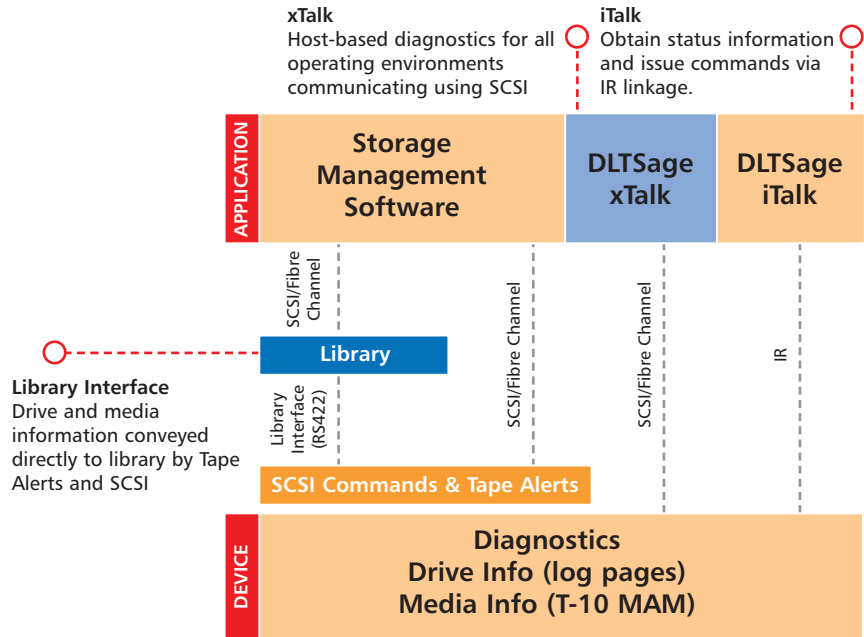


The Power Of Knowing

DLTSAGE™

A new architecture-based suite of predictive and preventive maintenance diagnostic offerings that enable users to more simply manage tape storage environments. The DLTSage™ architecture delivers the power of knowing knowing data is safe and protected while applications remain available and secure. The DLTSage architecture is built on standards that interface cleanly into current storage environments.



WITH DLTSAGE, YOU CAN:

MANAGE

- Understand and control how tape drives are used throughout the enterprise.
- Develop a complete inventory of drives and media and the usage statistics for each. Assure the integrity of your valuable data.

DLTSage can answer questions such as:

- Is there a problem with the drive or media?*
- Are there some drives that are underused?*
- Is the tape rotation protocol working to even out tape usage?*
- Have the backups been performed at the frequency expected by management?*

PREDICT

- Assess which tapes and drives are nearing the end of their useful lives. Improve backup credibility by ensuring that drive and media combinations offer acceptable levels of confidence.
- Use drive and media statistics to implement predictive maintenance protocols.

DLTSage can see important trends:

- Are error rates trending up?*
- Where is the problem, drive or media?*
- Has the media reached end-of-life?*
- Is the drive exhibiting errors?*
- Predict drive failure.*

PREVENT

- To spot failures as they happen and be able to correct them.
- How much better is it to know at the time of backup that there may be a questionable result and to correct the problem at that time rather than need a backup and find it to be unusable.

DLTSage can address the causes of failure:

- Are read/write error rates unacceptable?*
- Are environmental temperatures too high?*
- Is there a problem with the cooling system?*
- Is the media being stressed too hard?*
- Is cleaning actually required?*



DLTSage Establishes a New Threshold for Tape Reliability and Ease of Management

The key to DLTSage is a comprehensive log of drive and media statistics, stored in the Super DLTtape drive/media combination. DLTSage offers a unique family of software tools,unprecedented in the industry, to help you work with this data and convert it to useful information. Compliant with the industry-standard T10 MAM specification, DLTSage is the first workable set of tools for monitoring drive/media performance. Now you can have the answers to practical questions like “Where was this tape last written?” or “How many times has this drive been used in the last month?”

DLTSAGE FEATURE COMPARISONS					
Feature	DLTtape	LTO			AIT
	DLTSage	HP	IBM	Certance	Sony
Device Inquiry Data					
Device Type	•	•	•		
Product ID	•	•	•		•
SCSI ID	•	•	•	•	•
Firmware Version	•	•	•	•	•
Unit Serial Number	•	•	•	•	•
Standards Support	•				
Tape Alert Support	•	•	•	•	•
T-10-MAM Implementation	•	•	•	•	•
Capacity	64K	8K	8K	8K	64K
Field Upgradeability	•				
Graphical Interface Platform Support					
Windows	•	•		•	•
HP-UX	•	•			
Solaris	•			•	•
Linux	•			•	•
User Interface Options					
Save Results	•	•		•	
Print Results					•
e-mail Results	•	•			
Help	•	•			•
One-Click Device Statistics Retrieval					
Hours of Use	•	•			
Temperature of Tape Path	•	•			
Power on Hours	•	•			
Tape Motion	•				
Error Rate Limits	•				
Number of Retries	•				
No Additional IR Chip Required	•				
Diagnostic Tests					
Failure Isolation Logic (Drive vs.Media)	•				
Predictive Margin Analysis Test	•				
Bit Error Rate Test	•				
IR Drive Inquiry	•				
User Definable Media Usage Limits	•				
Single Button FA Command	•				
Rules-based System to Provide Preventative Maintenance	•				



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