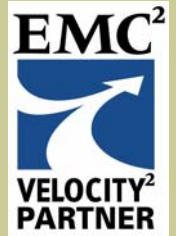


Did You Know!



Interesting Articles and Facts regarding Storage.



EMC Announces: The “EMC CLARiiON Disk Library”

Dedicated backup and restore solution for traditional backup environments with better performance and availability than tape

“Simply a better backup and restore solution”

“No changes - easy implementation and deployment”

“Faster backup’s and significantly faster restores”

EMC’s CLARiiON Disk Library gives customers a seamless solution for deploying disk into backup and restore environments. Like CLARiiON with ATA, the CLARiiON Disk Library uses CLARiiON’s highly available architecture and low-cost ATA disks to deliver better availability and higher performance than tape. The CLARiiON Disk Library is a dedicated solution for backup and restore environments. Unique to the CLARiiON Disk Library are an in-band data compression engine and an automated write to tape process for final offsite storage.

Packaged as appliances called the DL300 and DL700, the CLARiiON Disk Library will appeal to enterprise customers who are attracted to the potential of disk-based backup using ATA, but don’t want to modify existing backup applications or procedures.

Higher Services Levels than Tape

The CLARiiON Disk Library improves performance and availability over traditional tape solutions:

DL700 sustained performance reaches 425 MB/s. DL300 sustained performance reaches 225 MB/s. DL300 and DL700 offer single-stream performance of up to 80 MB/s.

The Disk Library should deliver 30–60% faster backup performance, depending on configuration and tape technology

The Disk Library should deliver 70–90% faster restore performance, depending on configuration and tape technology

The CLARiiON Disk Library offers the benefits of the CLARiiON architecture and high-availability design, in the addition to RAID protection of data. Tape libraries are not inherently high availability and are not RAID protected. In addition, with the DL700, a second standby server engine can be added to deliver even higher availability.

Although CLARiiON Disk Library offers higher service levels than tape libraries, it does not offer the service levels associated with disk-to-disk approaches. Disk-to-disk solutions make copies of data in its native format (SnapView, MirrorView, SAN Copy), allowing faster backup and recovery times. Tape and disk libraries use backup clients to alter the application data into a tape media format, which significantly lengthens the backup and recovery times.

The Disk Library emulates open systems tape libraries, drives, and cartridges, and eliminates the need for backup application and procedure changes to implement backup to disk. The backup application thinks it is still writing data to tape systems, when instead it is writing to disk. The Disk Library can emulate multiple tape libraries, enabling it to consolidate backup environments.

CLARiiON Disk Library emulates ADIC, ATL, and STK libraries and DLT, SuperDLT, LTO, LTO-2, STK 9840, and STK 9940 tape drives

**For additional information, contact
Experis Technology Group, Inc at:
Sales@experis.com**

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Experis Technology Group, Inc is a professional services firm that focuses exclusively on enterprise infrastructure solutions. We provide high available computing, storage, network systems and enterprise management software. We are dedicated to helping our customers design and deliver key infrastructure solutions that protect and propel their business forward.

Contact us at (240) 223-0607 x 109 or at “sales@experis.com”

Faster backup and restore, improved service levels, compatible with existing backup infrastructure.

Native tape writes and offsite archival process.

The CLARiiON Disk Library can automatically write out data to a tape in native tape format for offsite storage. The Disk Library incorporates this role and requirement in the offering. IT staff set policies for these final writes to tape and the Disk Library automatically executes the operations.



EMC CLARiiON DL700
Disk Library

Faster backup/restore for the enterprise—without changing your environment.

Efficient storage utilization for lower cost solution and minimal user intervention.

The Disk Library dynamically allocates storage for backup data as required. Unlike other offerings where storage space is pre-allocated, the need for active management is minimal because the Disk Library intelligently manages the backup capacity requirements. The “on-the-fly” allocation also maximizes the utilization of media, increasing the return on investment (ROI) of the Disk Library.

The CLARiiON Disk Library leverages ATA disk economics, providing a cost-effective storage solution. Data compression reduces the cost per gigabyte even further, enabling more data to be stored using less physical disk space. The CLARiiON Disk Library offers up to 3:1 data compression.

Tape Emulation Supported Applications, Tape Libraries, and Drives

Backup Application	Tape Library Support	Tape Drive
EMC LEGATO NetWorker	ADIC, ATL, STK	LTO, LTO2, DLT SuperDLT, STK9840, STK9940
IBM Tivoli Storage Manager	ADIC, ATL, STK	LTO, LTO2, DLT SuperDLT
Veritas BackupExec	ADIC, ATL, STK	LTO, LTO2, DLT SuperDLT, STK9840, STK9940
Veritas NetBackup	ADIC, ATL, STK	LTO, LTO2, DLT SuperDLT, STK9840, STK9940

Physical Tape Library Support: ADIC, ATL, STK

Physical Tape Drive Support: DLT, SuperDLT, LTO2, STK9840, STK9940

For further configuration and compatibility details, please contact Experis Technology Group at 240-223-0607 x109 or Sales@experis.com

LEGATO – Delivering the Power of Information for Customers

Information has power... The power to drive your business. To accelerate your growth. To minimize your liability and ensure compliance.

However, to achieve these benefits, you must be able to:

- Organize information
- Enable easy retrieval - for compliance and business needs
- Ensure information is protected - and can be recovered quickly
- Keep applications running - to improve business productivity and minimize downtime
- Simplify management of IT and business processes

That's why you need **Information Management**

When your information is managed properly, you can:

- Improve your decision making - since the information you need is immediately accessible
- Mitigate your risk - whether from data loss, system failure, legal discovery or compliance issues.
- Reduce your TCO to improve your bottom line



Now Available - LEGATO NetWorker 7.1!

LEGATO Software is proud to introduce a new release of our world-class data protection solution - LEGATO NetWorker 7.1. Version 7.1 is designed to meet the growing pressures of data recovery and backup, and budgetary constraints of large and small environments by enabling:

- Instant backup Recover and protect massive, increasing volumes of data faster
- Increased service levels and reduce downtime costs
- Increased IT staff productivity and lower TCO of storage resources
- Greater reliability, performance, and scalability of data protection operations across the enterprise
- Increase ROI of DAS, NAS and SAN investments

NetWorker 7.1 delivers:

- NetWorker PowerSnap Modules for complete management of instant backup and recoveries
- Microsoft Windows 2003 Server Volume Shadow-copy Services backup/restore and ASR recovery
- Improve NetWorker memory management for world-class backup/recovery performance to tape/disk
- Enhanced NAS and SAN Protection
- Expanded Linux support
- Improved scalability, availability and much more!

NetWorker Solution Overview With more than 100,000 NetWorker server licenses worldwide, LEGATO's information protection software protects the business-critical data of enterprise customers by simplifying and centralizing backup and recovery operations across UNIX, Windows, Linux, OpenVMS, Macintosh and NetWare platforms. Built upon an open, highly scalable architecture, NetWorker increases IT staff productivity by automating the protection of storage assets for the largest corporate data centers to the smallest branch offices in DAS (Direct Attached Storage), NAS (Network Attached Storage), and SAN (Storage Area Networks) environments.





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WWW.EXPERIS.COM

EMC delivers on the promise of
affordable and reliable storage.

Did You Know...

Now through June 15th, 2004 Experis Technology is offering:

EMC's CLARiiON DL300 Disk Library with;

- * Full 4.8GB Uncompressed Capacity.
- * 3:1 Compression Capable.
- * EMC's award winning management software
- * Installation and TWO years of on-site warranty

Retails for \$157,400. On special for \$89,990.

Call Experis at 240-223-0607 x109 for more information
or custom configurations.
