

EMC Epoch Data Manager

The complete solution to the backup bottleneck.

Turnkey, centralized solutions for the client/server enterprise providing high-performance database backup at lower operating costs.

Data Sheet

Epoch Data Manager

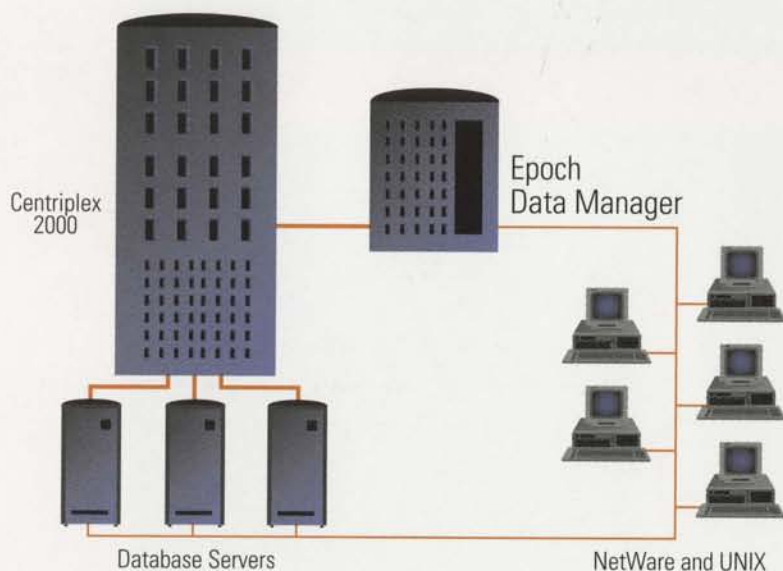
- 1 Complete hardware and software, fully integrated turnkey solution
- 2 High-performance database backup/restore for Centriplex 2000 systems
- 3 Flexible, consolidated administration of multiple hosts and clients
- 4 Intelligent scheduling, automated tape and media management
- 5 Comprehensive reporting on all backup activities and media usage



EMC's Epoch Data Manager provides a complete, high-performance turnkey hardware and software backup/recovery solution for Centriplex 2000 data and networked environments, all from one central location.

Open systems storage growth has created a backup problem. Epoch Data Manager is the solution.

Unattended, automatic backup with industry-leading capabilities.



The Epoch™ Data Manager performs high-performance backup/restore operations whether the data is on the Centriplex 2000 system or on the network. Your data is securely protected — all of it.

Centralized backup means security and reliability.

While centralizing disk storage for today's distributed computing enterprise solves part of the data management dilemma faced by IS staffs, it hasn't addressed the need for commensurate backup procedures. Such procedures must reliably, effectively, and

transparently protect and keep available vital business data without impacting normal operations.

A complete solution from the industry leader.

Epoch Data Manager is a complete client/server backup/recovery and management solution. It integrates both hardware and soft-

ware to completely automate your distributed data storage environment and facilitate quick and easy installation. The system is fully integrated, tested, and installed by EMC Customer Service, the industry's number one-ranked service organization.

With EMC's Epoch Data Manager keeping watch over your distributed open systems data, you'll have more time to help your enterprise put that data to profitable use. You'll also be certain that today's backup/recovery resource investment will accommodate your future needs even as they evolve.

Easy integration and scalability for today's and tomorrow's needs.

Epoch Data Manager systems consolidate backup for EMC Centriplex™ 2000 storage systems and open networks. Common industry-standard tape library units and client systems are fully supported (see specification chart) with external tape library units providing up to 10TB of backup/restore capacity.

Highlights

- **Complete solution.**

Epoch Data Manager is a fully integrated, ready-to-run system, complete with all hardware, software, testing, and installation.

- **High performance.**

Up to 12GB per hour of Centriplex 2000-based data (raw partitions).

High performance backup translates to increased productivity.

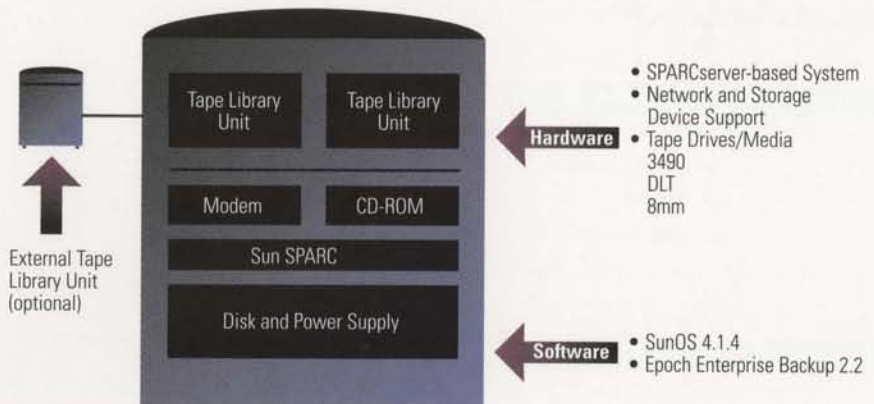
The Epoch Data Manager can backup data at rates up to 12GB per hour*. Because the backups occur at high speed, they can be scheduled more frequently to ensure full protection for all your valuable data and also have that data more available to support business needs. Network-based data remains fully accessible even during backups.

* Application and configuration dependent.

Automated, intelligent management for a "lights-out" operation.

Once installed and configured, the Epoch Data Manager system requires no manual intervention in the backup process. It provides automatic volume management capabilities and complete integration with robotic library units. It tightly integrates media management with backup rotation scheduling to ensure efficient use of media. Automatic volume management features include the following.

- Electronic volume labeling
- Bar code support
- Volume mounting in library units
- Allocation of new volumes
- Multiple backups per volume
- Multiple volumes per backup
- On-site/off-site rotation
- Backup expiration
- Volume expiration
- Tape reuse counts



Epoch Data Manager Block Diagram

The Epoch Data Manager system is also resilient to network and device failures. For example, when an error is detected on one tape device through EMC's Remote Maintenance Processor (RMP), other devices continue to be serviced. The RMP system automatically notifies EMC's Customer Support Center to initiate a service response to the failed device for quick recovery.

Lights-out operation doesn't mean you're in the dark.

The Epoch Data Manager's reporting capabilities assure administrators that all backups are performed and detailed media history, usage, and location reports are provided. Reports include information on both on- and off-site media. Restoration of files can be accomplished quickly and easily by end-users.

For more information.

For more information on EMC's Epoch Data Manager call your local EMC sales representative, authorized distributor, or contact your nearest EMC sales office. Or call EMC directly at 1-800-424-EMC2.

Central administration.

Consistent management of multiple hosts and clients and backup of all data, controlled from one secure location.

Automated management.

"Lights-out" solution eliminates manual backup/recovery; provides dynamic load balancing, intelligent scheduling, and automatic rescheduling.

Comprehensive reporting.

Assures administrators that backups are performed reliably as well as providing media history, usage, and location reports.

Technical Specifications

Tape Library Unit (TLU) Configurations

Epoch Data Manager is sold configured with the following TLU options.

Exabyte™ 210, 440, 480

DLT™ 2700, 4700

ATL™ 5480, 2640, 4/52

Epoch Data Manager also supports these TLUs.

Exabyte 10e, 60, 120

Heterogeneous Client Support

The Epoch Data Manager backup server supports the following client platforms. (Contact EMC Corporation for the most current listing of supported platforms.)

Auspex®, Data General® DG-UX™, DEC® ULTRIX®, OSF/1®, Hewlett Packard HP-UX®, IBM® AIX®, Intergraph®, MIPS®, Motorola® 88K-based machines, NCR®MP-RAS, Novell® NetWare®, SCO/UNIX, Sequent®DYNIX/ptx, Silicon Graphics®IRIX, Solbourne®, SunOS™, Solaris®, SVR4 UNIX, and Centriplex 2000-resident database partitions.

System Specifications

Power Requirements*

Voltage (VAC) 208 - 220, ± 10%

Frequency (Hz) 50/60, ± 3

Circuit Breaker (A), max. 20

Power Connector NEMA L6-15R

* Non-US power requirements are country-specific.

Environmental Specifications

Temperature (°F/°C) 50 - 100/10 - 38

Relative Humidity (%), 30 - 80

non-condensing

Altitude (ft/m), operating 8,000/2,500

Physical Specifications

Height (in/cm) 33.0/83.8

Width (in/cm) 28.0/71.1

Depth (in/cm) 32.0/81.3

Weight (lb/kg), max. 250/113.6

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