

Distributed system management, network storage management, and network backup and recovery are becoming strategic aspects of business planning. Protecting mission-critical data is becoming even more complex as technology advances, companies expand, and data volumes increase.

To deal with these challenges, organizations need a high performance backup and restore solution — one that provides on-line or off-line backup, and one that supports increasingly heterogeneous environments.

Introducing HyperTape® Enterprise Backup: a network storage management suite that performs backup and restoration of mission-critical data, databases, and applications. HyperTape provides easy, economical access to large capacity, high performance data storage via three-tier open architecture, centralized management, distributed robotic control, and media management capabilities.

# HyperTape

## Enterprise Backup and Storage System

### ***A Complete Storage Solution***

HyperTape provides automatic, unattended backup of PCs, workstations, departmental servers, and enterprise systems across networks, or to local tape drives or tape libraries. It is designed for highly efficient, network-wide backup to automated high capacity peripheral systems. HyperTape can handle a virtually unlimited number of concurrent sessions between any number of network nodes.

### ***A Flexible Backup Solution***

In today's rapidly changing environment, you need a flexible system that supports any backup topology: centralized, distributed, or mixed. HyperTape supports the broadest possible mix of clients, servers, and storage media devices, so it adapts easily as your infrastructure changes. The unique, separate control node and multiple backup server approach of HyperTape, scales to an almost unlimited number of nodes.

### ***Three-Tier Architecture***

HyperTape consists of three components — Control Node, Service Node, and Backup Node. This is a key advantage, as the control and administrative functions are separated from the systems being backed up, as are the systems to which backups are sent, allowing one central, common control point with multiple backup servers.



This control point provides a common repository for administering all backups, viewing logs, and for generating backup statistics.

### ***Robotic Control***

HyperTape supports an extensive array of magnetic storage media and tape libraries through its own or third party robot managers, providing open interfaces so you may tailor solutions to your unique requirements.

### ***Enterprise Media Management***

HyperTape's OpenMedia — a complementary module — provides enterprise wide media management for volume, saveset, and device management under robotics or human operator control.

## **Unique Database Architecture**

At the heart of OpenMedia is a database providing a model of your enterprise's media resources and management policies. OpenMedia's unique client/server database architecture allows for distributed implementations of backup and storage management strategies at multiple locations, across a worldwide computing enterprise.

## **Cross-Platform Capabilities**

OpenMedia is designed to be inherently portable. All client/server communications are architecture neutral, allowing it to work in both homogeneous and heterogeneous environments.

## **Scalable Media Management**

OpenMedia is used by both small and large companies alike, as it grows with your storage management needs. It can easily be introduced into sites with or without massive amounts of distributed data.

New jukeboxes, hosts and backup clients can easily be added at any time. And, sites can be managed centrally or distributed to domains of responsibility. What's more, support personnel can tailor OpenMedia to suit their particular organization using OpenMedia's standard interfaces.

## **Common User Interface**

OpenMedia's interfaces provide a common view of the data storage environment. When running the interfaces from any client workstation on the network, users can administer data management tasks across the enterprise. Regardless of host, the user interface is the same.

## **Shared or Distributed Robot Support**

Because OpenMedia models both the control and the data connections, it automatically manages storage robots where drives are connected to different or multiple systems, even allowing large robots to be connected to multiple platforms.

## **Storage Area Networks (SANs)**

OpenMedia was specifically designed to allow for multi-hosted devices — devices that can be accessed by multiple hosts. And, it will automatically serialize the access to SAN devices (or to OpenVMS Cluster attached devices).

## **In Conclusion**

HyperTape allows you to monitor all network backups and restore operations. The Control Node shows the status of all backups, and the central log files allow any problems to be quickly pinpointed. OpenMedia enforces common media management policies throughout the enterprise, avoiding the need to dedicate particular tapes to particular applications or robots. Their flexibility also allows integration with third party media managers, or hierarchical storage managers.

HyperTape has the widest range of clients, including on-line and off-line backup for SAP R/3, Oracle, Informix, SQL Server, Exchange, and more. It supports an extensive array of magnetic storage media and tape libraries through its own, or third party media managers and robot managers, providing open interfaces and customization options.



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