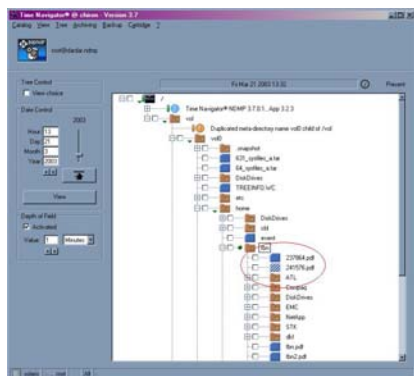


TIME NAVIGATOR FOR NDMP

Datasheet

Data Protection Solution



Time Navigation allows browsing through NAS volumes to easily select and quickly recover data



AUTOMATED DATA PROTECTION FOR NAS DEVICES AND LARGE DATA SERVERS

The Network Data Management Protocol (NDMP) is specifically designed to address data protection issues in data-intensive storage networking environments. NDMP has proven to be invaluable in addressing the problem of backing up networks of heterogeneous file servers, and is quickly becoming the standard way to back-up and recover network attached storage (NAS) devices.

Time Navigator for NDMP provides the most advanced data protection to NAS devices and large Windows and Unix data servers.

Atempo's Time Navigator NDMP modules removes complex interoperability issues with three levels of scalability – for complete, comprehensive data protection:

- **Time Navigator Client for NDMP** allows backup and recovery of data from a NAS appliance.
- **Time Navigator NDMP Data Server** enables NDMP on any Windows or Unix data server.
- **Time Navigator NDMP Tape Server** allows data streams to be centralized to a backup server.

FEATURES & BENEFITS

OPTIMIZED BACKUP PERFORMANCE

Designed to optimize your backup process, Time Navigator for NDMP allows you to choose the fastest backup architecture: either direct-attached or through the network. You can use high-speed disk subsystems or high-speed tape devices as the backup media.

REDUCED ADMINISTRATIVE OVERHEAD

Because NDMP is built into Time Navigator as a standard data movement protocol, backup via NDMP is completely integrated in your backup and recovery solution for a lower administration workload.

SCALABILITY FOR TODAY AND TOMORROW'S DATA PROTECTION

Time Navigator for NDMP allows the backup of any NAS or file server at file, directory or volume level. An extra level of granularity is available when defining backup, so users can choose the right balance between scalability and heavy backup requirements.

FULLY AUTOMATED DATA PROTECTION

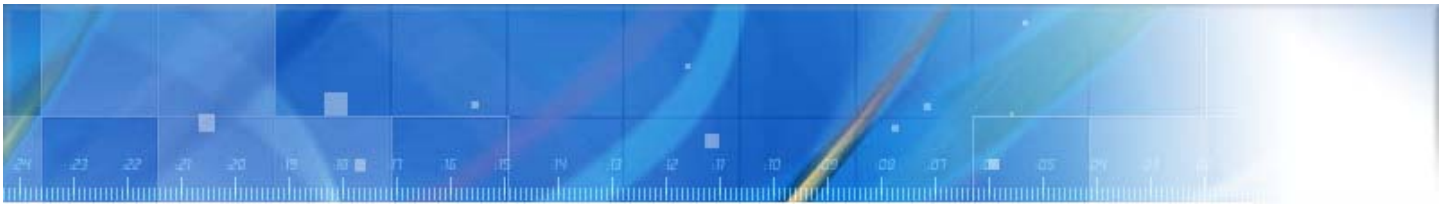
Time Navigator allows centralization of NAS backups on a single device and automates operations like scheduling and monitoring. Users can fully automate the data protection of file servers, reducing backup administration management and costs.

FAST RECOVERY

Now NAS / NDMP servers can take advantage of Time Navigation, the image-based method to restore files. Its easy, powerful restore includes viewing of deleted files, and direct access recovery (DAR) for faster access to data on tape.

DISASTER RECOVERY PLAN COMPLIANT

Unlike other NDMP backup software, Time Navigator can easily duplicate NDMP media to create off-site copies for vaulting or disaster recovery purposes.



FEATURES & BENEFITS

Storage Challenges

- Data needing protection is on a NAS device embedded in a server or attached to a drive or library.
- Distributed NAS devices to protect.
- Protect large Windows-based and/or Unix-based files servers.
- Protect an Oracle database hosted on a NAS appliance.
- Restore lost data from a NAS appliance as fast as possible.
- Integrate NAS data into the global Disaster Recovery Plan

Time Navigator Features

- Time Navigator Client for NDMP leverages backup performance within the embedded NAS data server to rapidly back-up data to the attached drive or library.
- Time Navigator Client for NDMP and Time Navigator NDMP Tape Server allows centralized network backup to a central library or a central disk subsystem.
- Time Navigator NDMP Data Server on Windows allows backup at either file, directory or volume level with granularity management.
- Integrated backup of Oracle databases stored on a NAS without script development.
- Time Navigation allows browsing through NAS volumes to find deleted files. Direct access recovery (DAR) enables fast recovery of a single file, subset of files or a directory.
- NDMP tape-to-tape copy provides media cloning.

Enterprise Benefits

- Automation of NAS backup
- No interoperability issue thanks to the NDMP protocol
- Consolidate distributed NAS backup on a single storage device
- Reduce backup administration of distributed NAS with less management overhead
- Full scalability data protection is provided for up to millions of files
- Any Windows server or Unix server can now be an NDMP-enabled file server
- Fast online backup and recovery of Oracle on NAS
- No disruption of database operations
- Better and faster recovery services provided to the end-users
- Protected user productivity.
- Off-site data protection for NAS data
- Easy disaster recovery plan compliance

SUPPORTED CONFIGURATIONS

Module	Platform	Protocol	Supported Data Servers
▪ Time Navigator Client for NDMP	▪ Unix, Windows, Linux	▪ NDMP V2, V3, V4	▪ BlueArc, EMC Celerra, Network Appliance, Procom, Quantum
▪ Time Navigator Data Server	▪ Unix, Windows, Linux	▪ NDMP V3	▪ Any host running Solaris, Linux, Windows
▪ Time Navigator Data Server	▪ Unix, Windows, Linux	▪ NDMP V3	▪ Any host running Solaris, HP-UX Tru64, Linux, Windows

ABOUT ATEMPO

Atempo is a leader in data protection for information lifecycle management (ILM). Atempo's Time Navigator™ data protection suite delivers comprehensive data security and unparalleled recovery performance, allowing users to rapidly and accurately restore data from any given point in time. Time Navigator provides the infrastructure that enables enterprises to achieve their ILM objectives, including compliance with new regulatory requirements. Founded in 1992, Atempo has more than 2000 customers worldwide, with a sales and support network exceeding 100 resellers. The company's dual headquarters are in Palo Alto, Calif., and Paris, France. For more information visit: www.atempo.com.

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