QUALSTAR Q-LINK REMOTE LIBRARY MANAGER

WEB BASED REMOTE MONITORING AND MANAGEMENT OPTION FOR QUALSTAR LIBRARIES

Q-Link

Q-Link is Qualstar's new remote tape library monitoring and management system. Q-Link provides Information Systems Managers, Network Administrators and Service/Support Engineers with the key information they need to cost effectively monitor and manage their Qualstar tape library systems from anywhere in the world.

Q-Link utilizes an easy-to-use graphical interface accessed over a web browser, and supports up to ten individual user accounts.
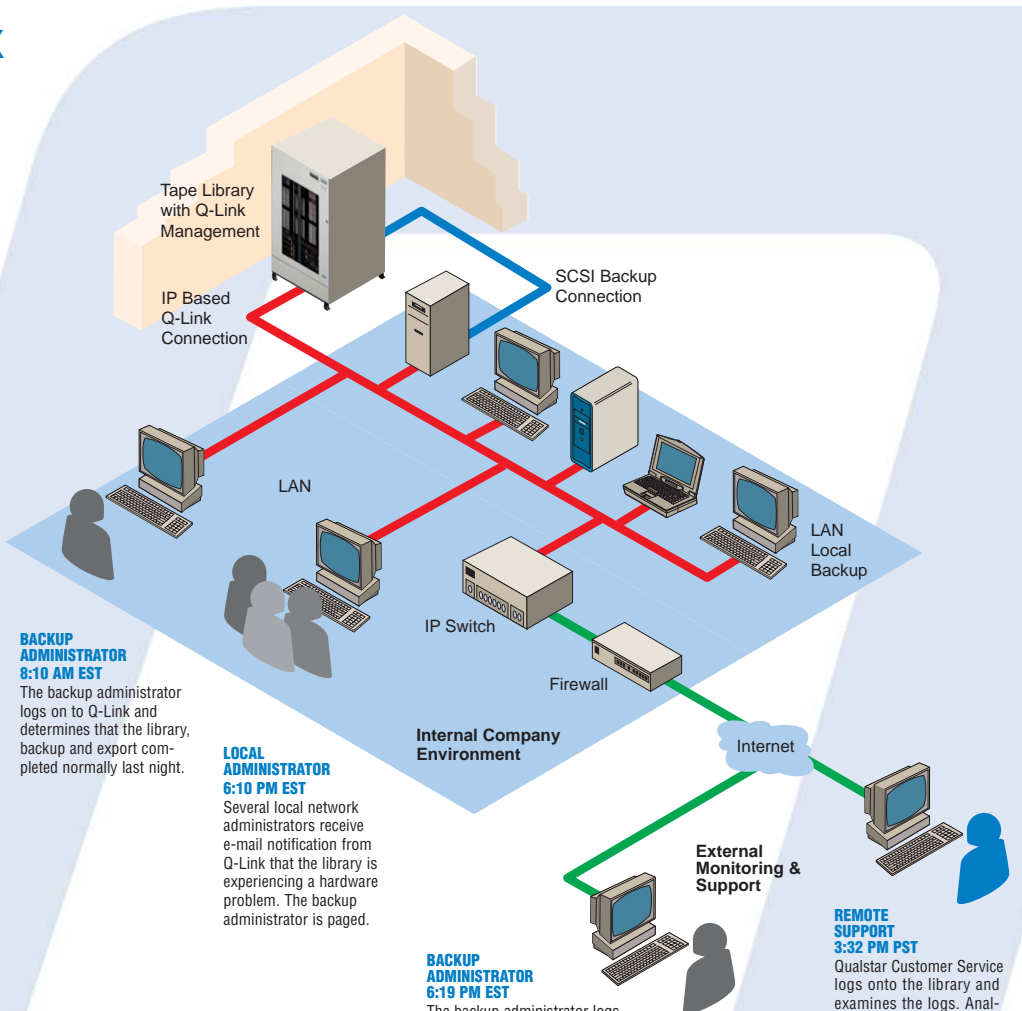
FLEXIBLE SYSTEM

Each account can have an individual password, access permissions, and custom notification settings. This allows the creation of "monitor only" users and "monitor and configure" users. Q-Link provides remote monitoring of library activity by tracking changes in the data cartridge inventory and accumulated tape movement. System health is continually monitored and abnormal conditions are automatically alerted via e-mail notification. Several users may be notified of the same event (set by the Q-Link administrator) or individual conditions may be directed to specific users.

POWERFUL FEATURES

Q-Link supports total remote operation of the library. Any function that can be executed locally from the operator control panel can be performed over the worldwide web via Q-Link.

Each Q-Link equipped library supports custom naming and contact information tied to the individual unit, eliminating confusion in multi-library environments.

INVALUABLE SUPPORT TOOL

Service personnel can log in remotely to check the status of the library, recover detailed system logs, upgrade library control firmware, eject and move cartridges, perform tape drive head cleanings, change SCSI address IDs, change library operational parameters and even recalibrate the unit if required.

BROAD APPLICATION

Q-Link is available as an option on all TLS and RLS tape library systems and may be retrofitted to most libraries already in the field.
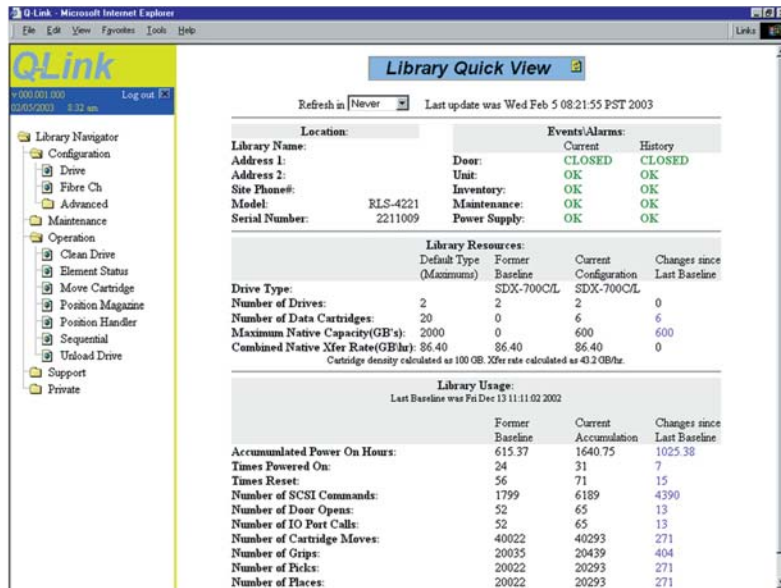
Installation and set up is quick and easy: simply install the Q-Link hardware and configure users and access using popular browsers.
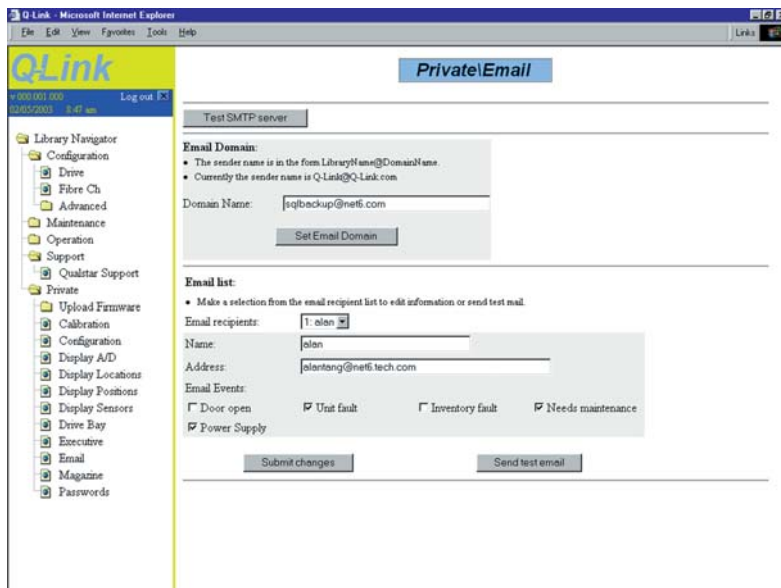
QUALSTAR: SIMPLY RELIABLE

Installation and support are provided by leading VARs and Integrators. Qualstar's *Simply Reliable* Tape Libraries are the preferred choice of IT professionals worldwide.

Tape Library with Q-Link Management

SCSI Backup Connection

IP Based Q-Link Connection

LAN

LAN Local Backup

BACKUP ADMINISTRATOR 8:10 AM EST
The backup administrator logs on to Q-Link and determines that the library, backup and export completed normally last night.

LOCAL ADMINISTRATOR 6:10 PM EST
Several local network administrators receive e-mail notification from Q-Link that the library is experiencing a hardware problem. The backup administrator is paged.

IP Switch

Firewall

Internal Company Environment

Internet

External Monitoring & Support

BACKUP ADMINISTRATOR 6:19 PM EST
The backup administrator logs onto his network from home and determines that there appears to be a legitimate library problem. He contacts Qualstar technical support and opens a secure network connection into his network for Qualstar Customer Service.

REMOTE SUPPORT 3:32 PM PST
Qualstar Customer Service logs onto the library and examines the logs. Analysis reveals that an optical sensor has failed – On-site service is dispatched.

QUALSTAR ®
The Tape Library Experts

SIMPLY RELIABLE

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With Q-Link, viewing parameters, checking status, changing configuration settings, and reviewing any function of any Qualstar Tape Library is as easy as the click of a box.

Q-Link is a web thin server which integrates directly within any RLS or TLS library and hosts the Q-Link application.

Q-LINK FEATURES
- Provides complete overview of library status and accumulated operations
- Delivers detailed system logs over the web
- Alerts can notify multiple user accounts
- Firmware upgrades can be performed remotely
- Conformance to backup policy can be verified

LIBRARY COMPATIBILITY
- All TLS Series models
- All RLS Series models

Q-LINK INTEGRATION
- Integrates directly with TLS Series library controllers
- Part of IPM on RLS Series libraries
- Initial IP configuration through library control panel
- Main Q-Link setup through web interface

MENU LEVELS
- Quick View
- Configuration
- Operation
- Maintenance
- Private

FAULT ALARMS
- Door Open
- Unit Fault
- Inventory Fault
- Maintenance

SPECIFICATIONS

Ethernet Connection: RJ45 connector, 10BaseT	**Number of User Accounts:** Ten, each custom configurable
Web Browser Compatibility: Internet Explorer 6 or Netscape 6.2	**Qualstar Hardware Compatibility:** TLS: Executive III and higher All RLS Series
Browser Requirements: Java VM enabled, Javascript enabled, Cookies enabled	**Qualstar Firmware Compatibility:** TLS: Rev. 2.17 or higher All RLS Series
E-mail requirements: (for remote alerts) SMTP server and Name server specified	

Administrators can easily set up e-mail addresses to be automatically alerted of unexpected conditions.

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