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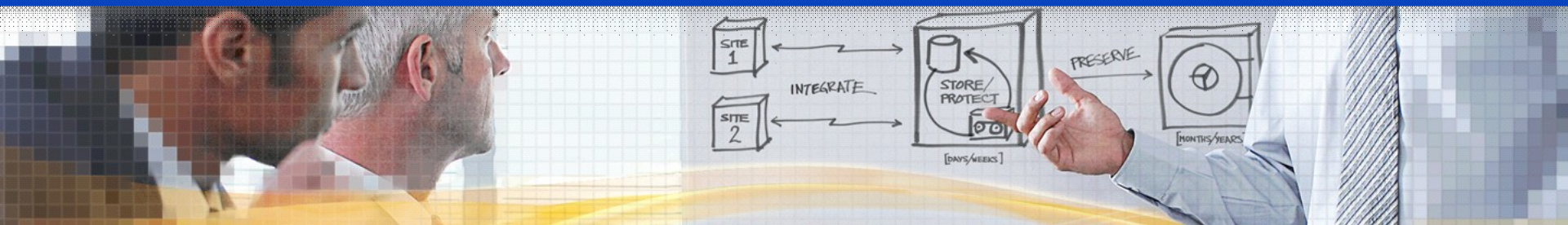
BACKUP. RECOVERY. ARCHIVE.
IT'S WHAT WE DO.™

best SYSTEME GMBH



Next Generation Archival--StorNext

Accelerate your business. Preserve your data.

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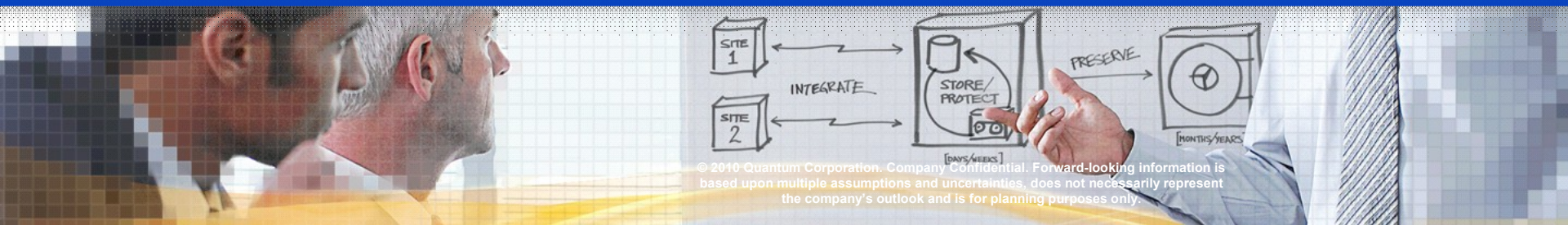


Herausforderung bei typischen Archiven

- Plattformübergreifende Architekturen
  - Unix und Windows Daten Archivierung in einem System
    - ACL
    - SAMBA
- Skalierbarkeit
  - Skalierung von 50TB bis mehreren Petabyte
  - Anforderung an Cache - und Rechnersystemen
- Multi-Site Architekturen
  - Plattformübergreifende Einbindung von Aussenstellen in ein Archiv
- Herstellerunabhängigkeit
  - Fokus auf die Archiv Architektur anstatt auf Produkte
  - Archive müssen mit HW Änderungen arbeiten

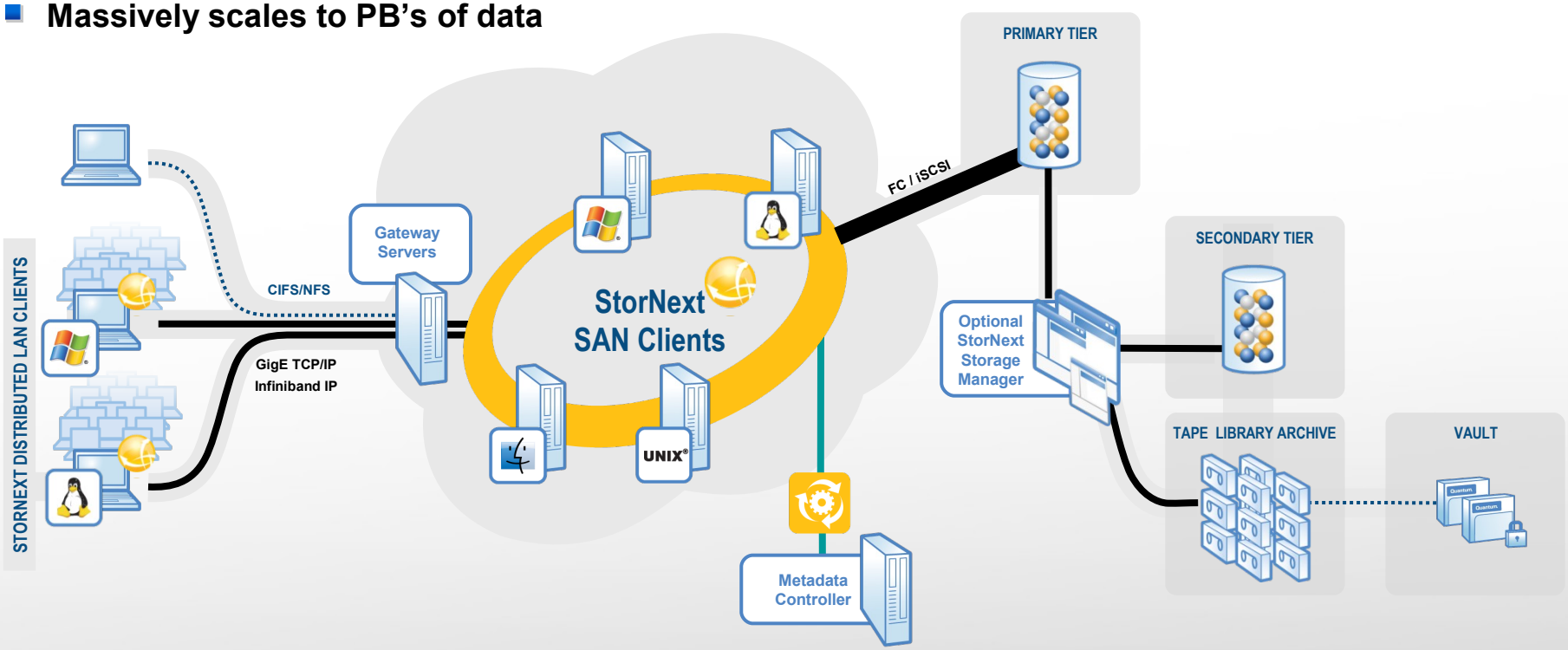
Was ist StorNext ?

StorNext File System

- SAN & LAN Clients: High-speed Fibre Channel (SAN) and NAS
- Shared File System: Operating System independent
- Independently scales to thousands of DLC nodes

Storage Manager:

- Transparent data movement
- Tiered Storage & Archiving: Disk and Tape vendor agnostic
- Massively scales to PB's of data



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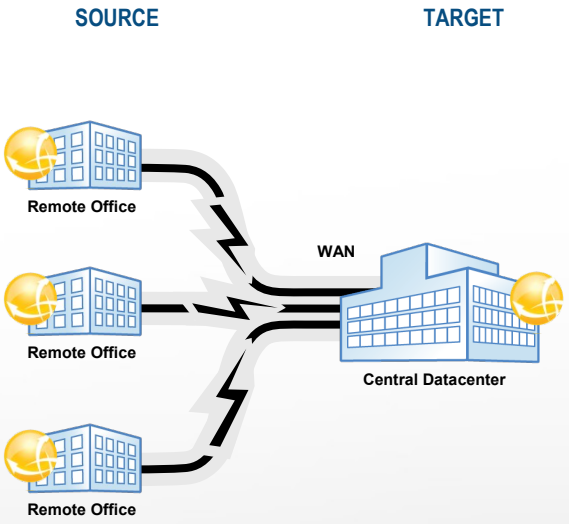
Entwicklung der StorNext Produkte

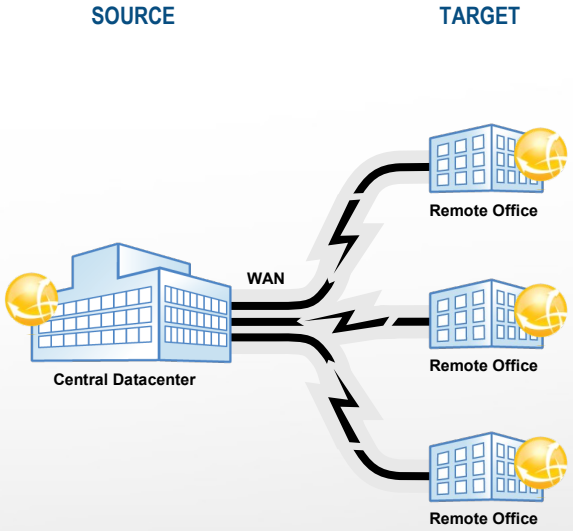
- StorNext 4.0 (Release April 2010)
  - Distributed Data Movers
  - Replication
  - Deduplication
  - New GUI
- StorNext 4.1 (Release December 2010)
  - Archive Conversion Utility

Replikation eine Multi-site Anforderung

- **Comprehensive Data Protection options**
- **Branch office protection solutions**
- **Consolidate for better storage & resource utilization**
- **Global distribution for greater workflows**



Data Protection



Data Distribution

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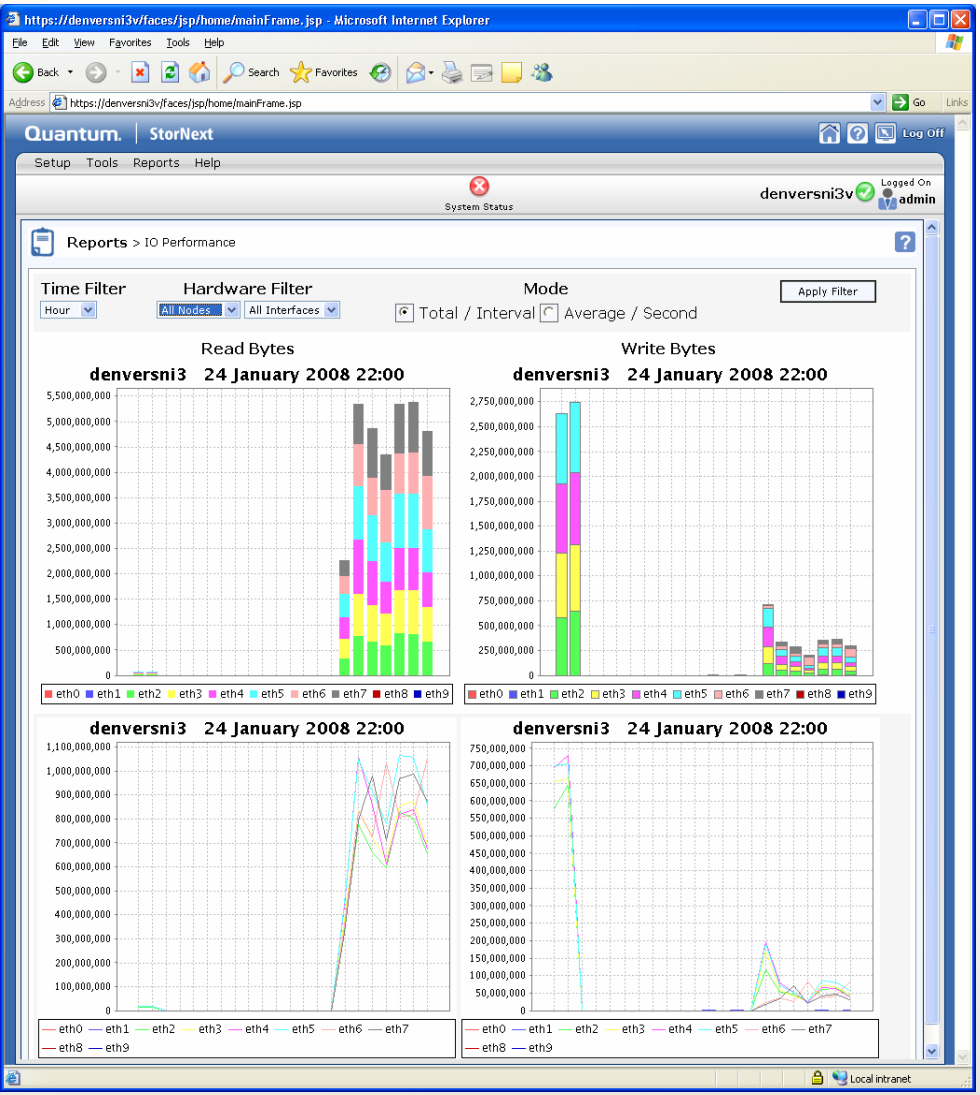
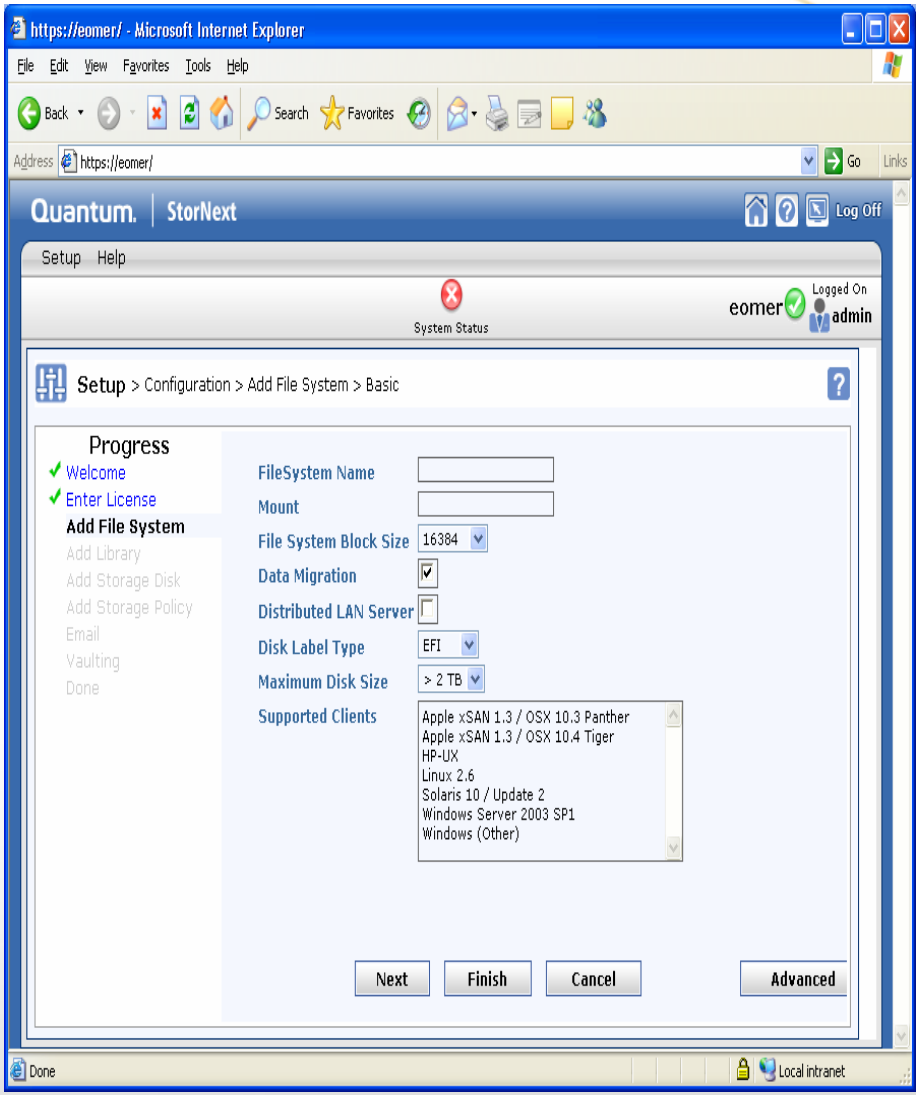
Management Console





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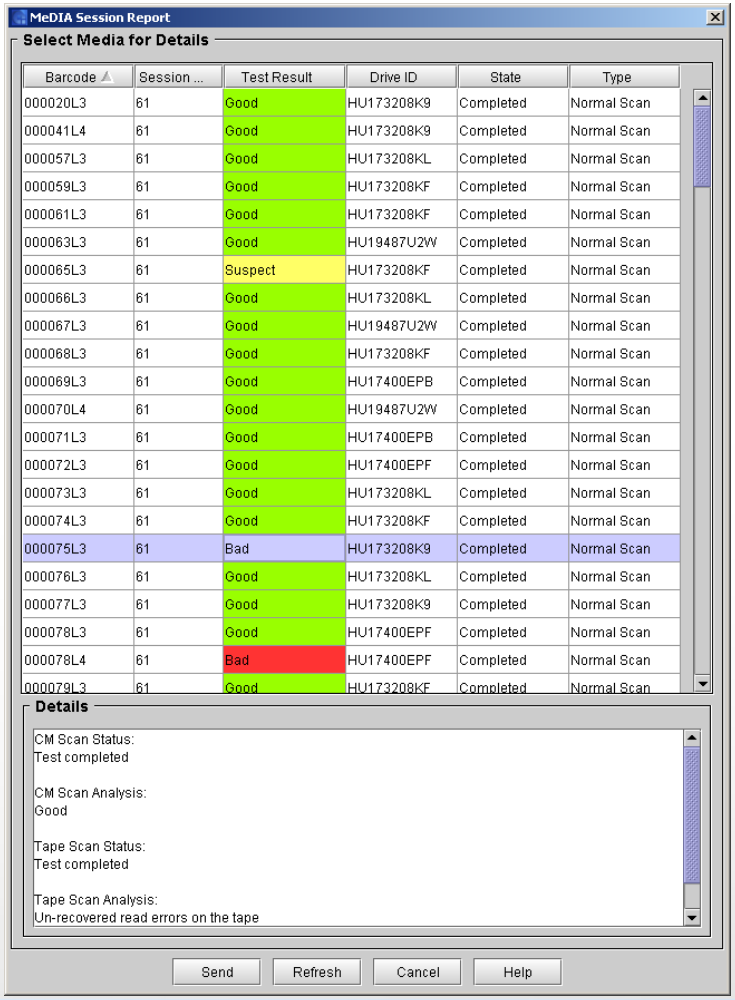
Protecting Your Data Wherever it Resides

Proactively Check Your Data Integrity

Extended Data Life Management (EDLM) protects your archive/DR data even after it leaves the library.



- Complementary to Advanced Reporting
  - For use with inactive cartridges
- Checks completed in a library managed partition
  - No impacts to operations
  - Managed in background
- Three levels of scanning
  - Quick Scan
  - Normal Scan
  - Full Scan
- Intuitive reports with detail
- Supports LTO-2 thru LTO-5 media
- **Ensures archived data is available when needed!**

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EDLM in a StorNext Storage Manager Environment (CQ2-CQ3)

StorNext Storage Manager

SAN

1

User sets EDLM policy on Scalar i6000:
✓ "Scan all tapes in archive once every 6 months"
✓ "Notify StorNext of results"

3

✓ Storage Manager migrates data, updates the database to indicate file location on new tape

"Online StorNext Storage Manager Partition"
Thousands of tapes in library partition
Managed by application

"EDLM Partition"
Managed by library
Used for periodic scanning

2

✓ Library manages data integrity checking in the background based on policy, produces results
✓ For suspect tapes, requests that StorNext migrate data to new tape

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