

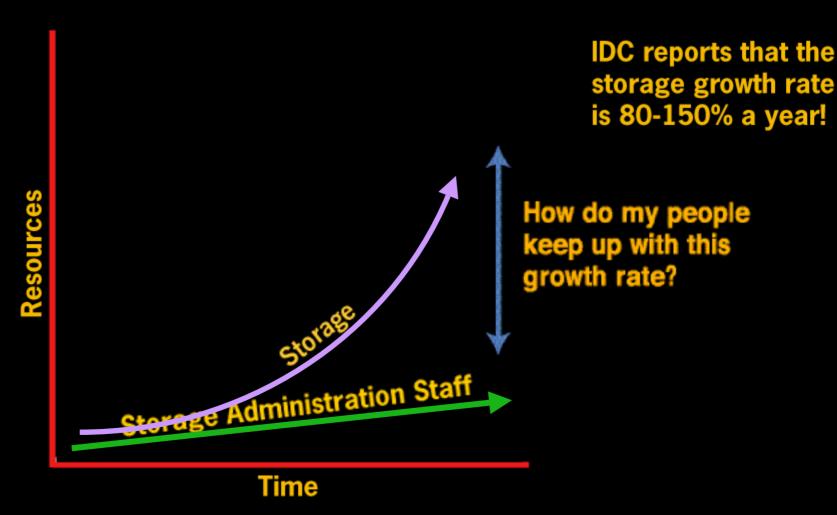


What are the issues driving our customers towards backup/restore consolidation?





Storage Growth & Too Few People



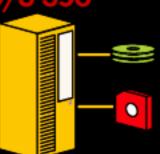


Today's Datacenter Environment

The Solution Has Become the Problem

Mainframe

- Optimized for The Enterprise
- Manageable
- Automated
- Mature 0/\$ 390
- Single OS
- Reliable

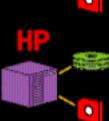


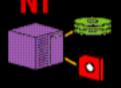
Open Systems

- Designed as a point solution
- Application specific
- **Business critical**
- **Exploding growth**
- Unmanageable
- **Expensive**
- People intensive



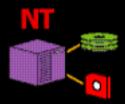














Business Continuance Issues in Growing Open Systems Environments

Data Safety

Is your important data safe?

Availability

• Is your data accessible by the right people at the right time?

Timeless Process

Do you change your processes for equipment or business demands?

Responsiveness

Can you react to growth and changing business requirements?

Performance

Are you fully utilizing your environment?

Costs

Is your data (and TCO) growing faster than your budget?

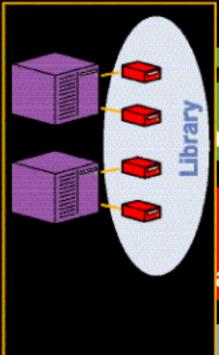


StorageTek Backup Consolidation Solutions The right solution for varying requirements

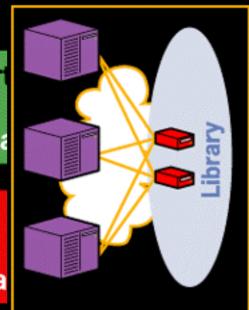
Tape Automation

SAN Solutions

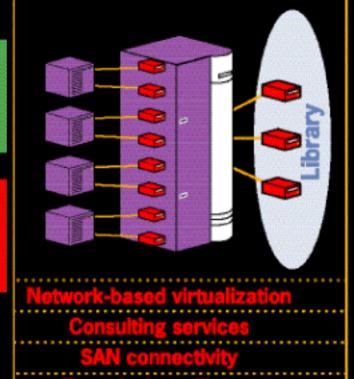
Virtual Transport Management



Tape devices, library Service and support



Consulting services
SAN connectivity
Tape devices, library



Tape devices, library

Service and support

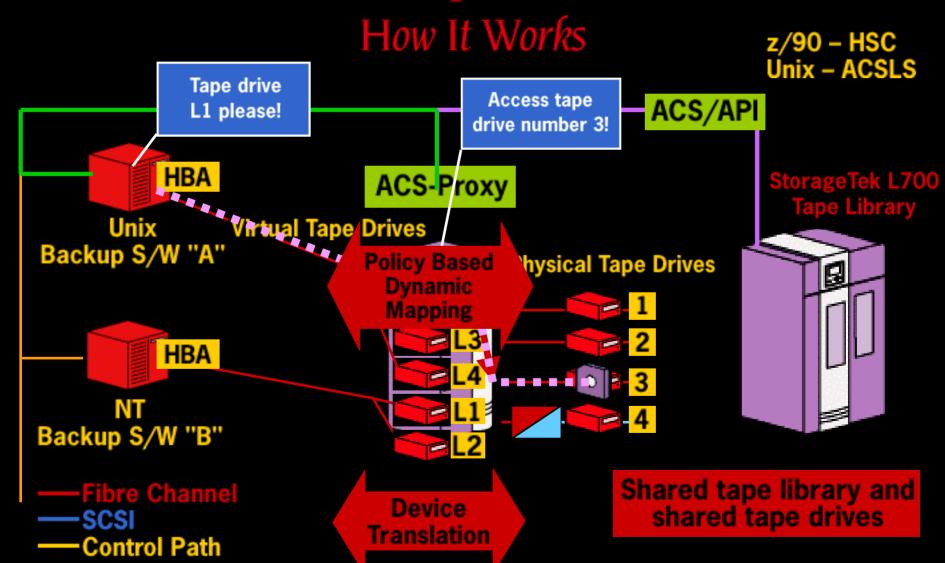
Narrow

Span of Access

Broad



SN6000 Backup Consolidation



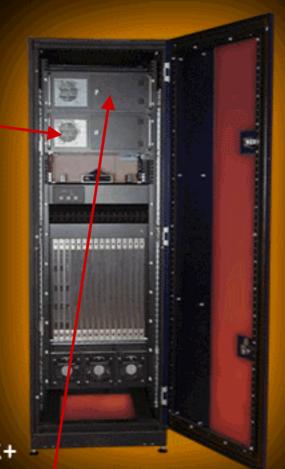


- 19" Rack Mount Cabinet
- Supports up to 16 interface boards, three power supplies, two fabric modules, and two management processors
- Includes fully integrated cable management system





- 19" Rack Mount Cabinet
- Management Processor (1)
 - UNIX-based server providing control path services
 - Disk storage for Hw/Sw code loads
 - Configuration data, log information documentation
 - Supports features, such as:
 - Logical/physical device arbitration
 - ACS/API proxy
 - Future 3rd party software
 - Web-based GUI management tool
 - Phone home support via ServiceTek+
 - Optional redundant MP with mirrored disk





- 19" Rack Mount Cabinet
- Management Processor (1)
- Fabric Module + Chassis Support Board (1)
 - Crosspoint technology for any-to-any data path
 - Monitors physical and electrical aspects
 - Provides device mapping logic
 - Optional redundant Fabric Module/ Support Board –hot swappable



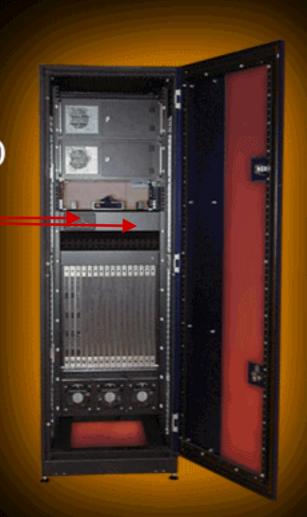


- 19" Rack Mount Cabinet
- Management Processor (1)
- Fabric Module + Chassis Support Board (1)
- Power Supplies (2)
 - Distributed power, current sharing
 - Optional redundant Power Supply is available
 - 2+1 sparing
 - Hot swappable





- 19" Rack Mount Cabinet
- Management Processor (1)
- Fabric Module + Chassis Support Board (1)
- Power Supplies (2)
- Cooling Fans (2)
 - Hot swappable

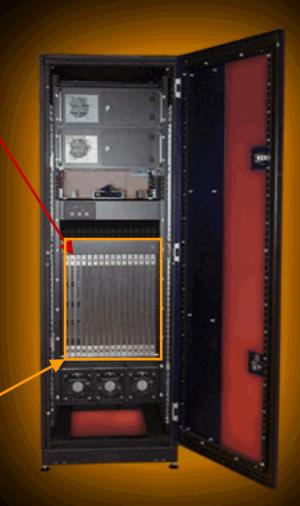




Fibre Channel Interface Boards

- 4-port FC interface boards supporting the following capabilities:
 - Connectivity to multimode or singlemode environments
 - NL_Port support (loop topologies)
 - Full speed FC operation (1.0625 Gb/s)
 - Built-in optical interfaces (no GBICs required)
 - SC connectors

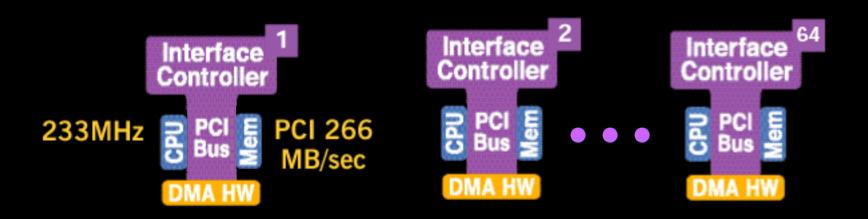
Up to 16 interface boards (64 ports) can be configured into each SN6000





SN6000 Scalability

High capacity datapath architecture

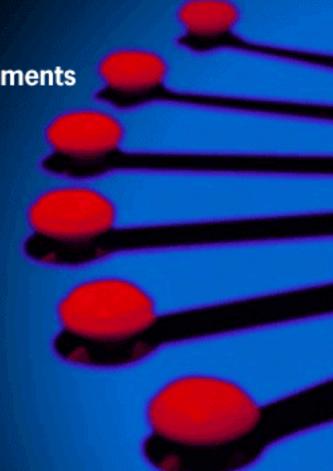


64 x 64 x 1.25 Gb/sec Crosspoint Switching Fabric



System Software

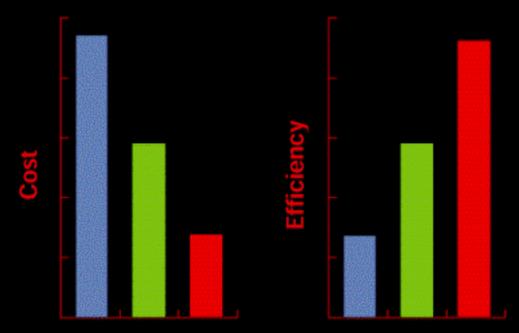
- Virtual Transport Manager
 - Provides virtual technology to share tape devices across Unix and NT environments
 - Software bundle includes:
 - ACS/LS proxy
 - Dynamic tape transport mapping
 - Virtual/physical arbitration software
 - Emulation of DLT and 9840 drives
 - Initiator support for DLT, 9840,
 TimberLine, and other ACS-managed tape transports
 - Device pool management

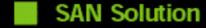




Backup Consolidation Total Cost of Ownership

SN6000 reduces costs and increases efficiency



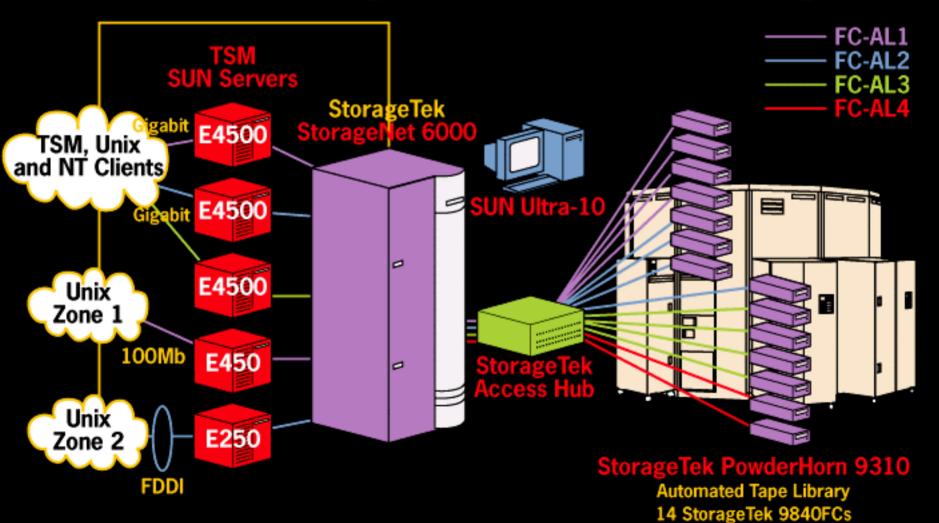




5500 Cartridge Capacity

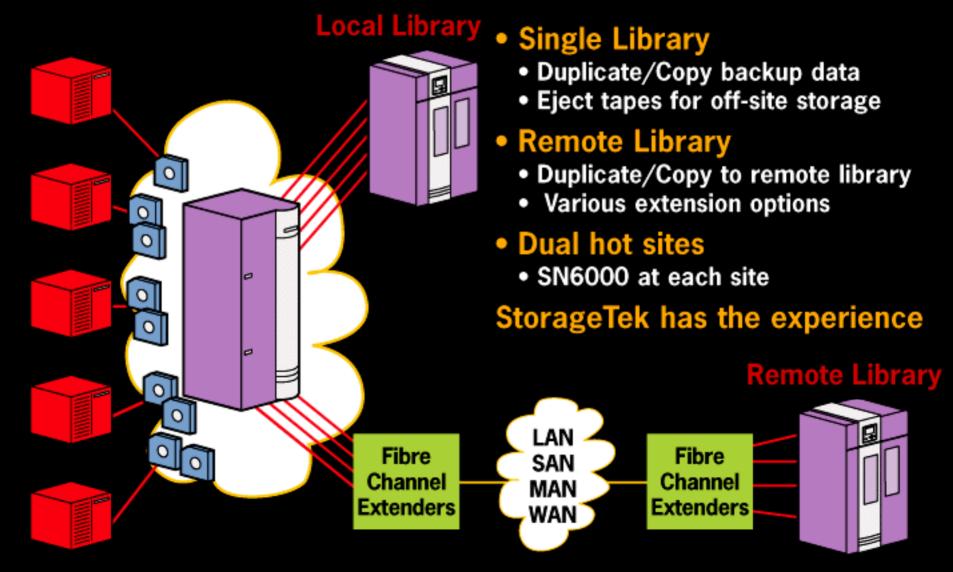


Customer Implementation Example





SN6000 Disaster Recovery Solutions





StorageTek Virtualized Tape Solutions



Reducing the cost and complexity of managing your data

Illuminata

"StorageTek...has come forward with a particularly interesting, differentiated, and industrial-strength take on virtualizing that critical backup and archival resource, tape storage."