

# Storage And Data Management In Education and Research

# Education and Research IT Challenges

IT Funding

Security and Identity Management

Administrative ERP/Information Systems

Strategic Planning / Growth

Infrastructure Management / Disaster Recovery

Faculty Development, Support and Training

E-learning/Distributed Teaching and Learning

Governance, Organization and Leadership

Enterprise Level Portals

Web Systems and Services

# IT Funding

Sun can help maximize your IT spending through a number of means:

Aggressive pricing with additional Education only discounts

Storage Consolidation to eliminate islands of storage with different utilization levels.

Market leading price/ performance ratios.

Best performing low end disk arrays (3000 line)

Utilize low cost disk and tape to maximize capacity / \$

# Administrative / ERP Storage Solutions

Data is the heart of any ERP solution.  
Sun can deliver a proven complete integrated and supported solution for Universities ERP data needs.

Sun has many Universities utilizing Sun storage solutions for their ERP including:



# Strategic Planning and Growth

All Sun Storage solutions are scalable.

With Sun you can scale from a few hundred Gigabytes to Petabytes of Storage.

We have a number of research sites that manage over a half a Petabyte of Sun Storage.

With ESM-AA you can manage and do real capacity planning. ESM-AA can help you manage scaling of your data from the application to the spindle.

Sun also has services to help you as you scale up.

# Infrastructure Management / DR

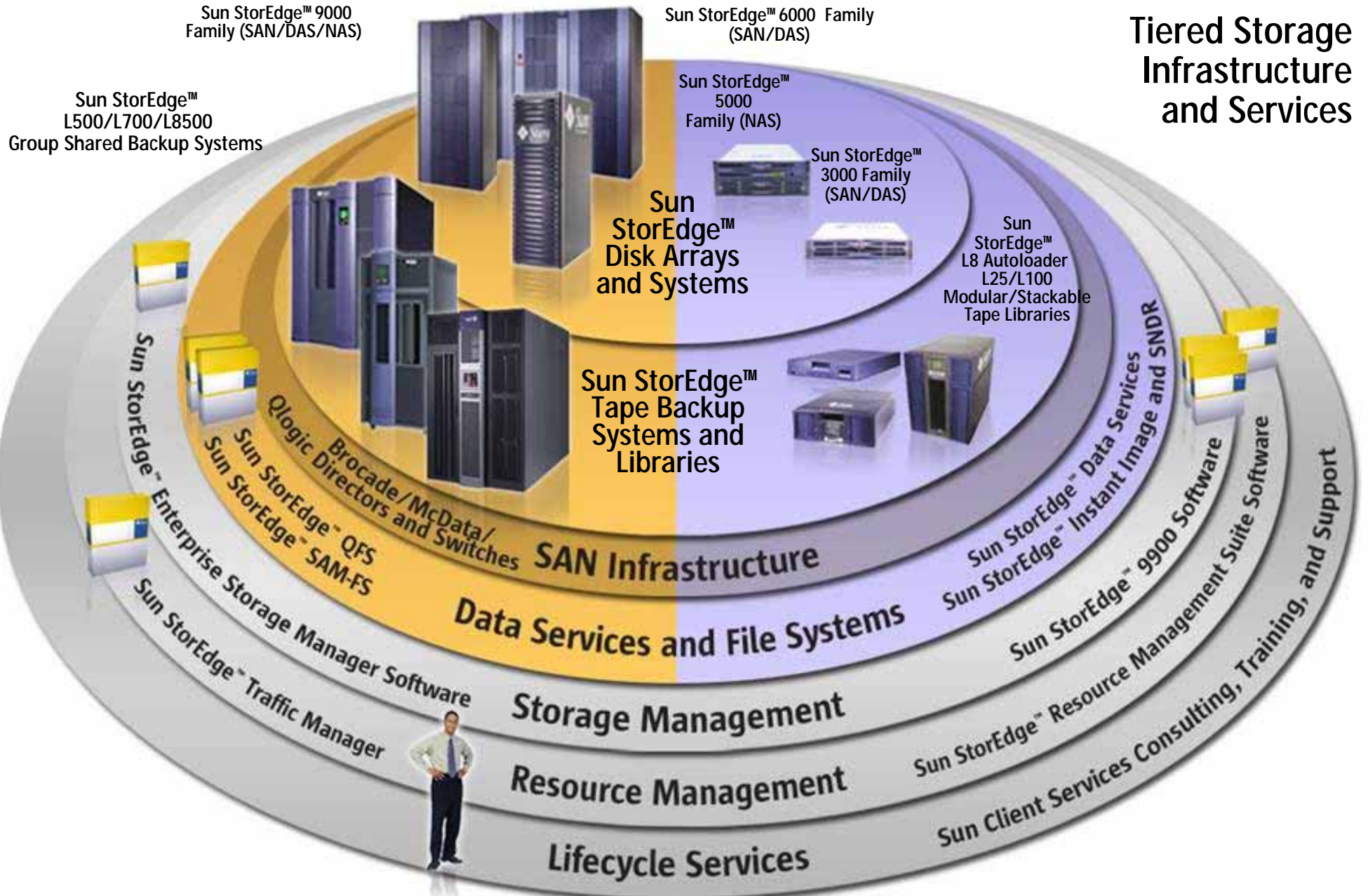
Storage management is really Data Management. Sun has the solutions including ESM-AA to help manage all of your storage, not just Sun Storage.

With the experience of 9/11 and Katrina, many Data centers have realized the necessity of Disaster Recovery.

Sun has helped many customers implement DR solutions that have helped them keep business going after a disaster.

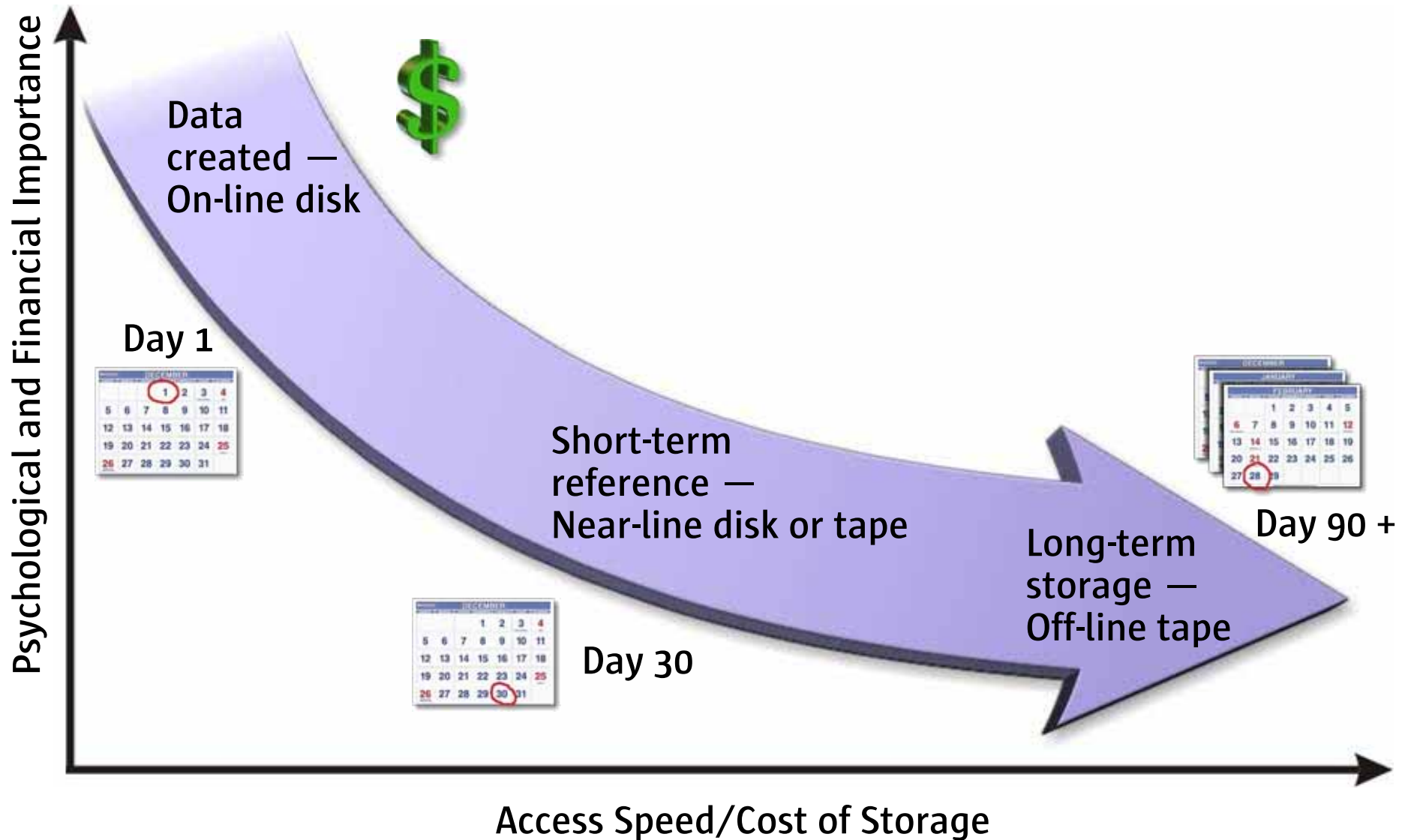
# Sun Storagetek™ Portfolio

Tiered Storage Infrastructure and Services



# Different Value

Controlling Costs by Storing Data According to Its Value



# Sun StorEdge 3000 Series

<http://www.sun.com/storage/workgroup/>



## 3120

- SCSI JBOD
- Up to 4 disks
- Up to 584 GB
- 36 GB, 73 GB & 146 GB SCSI Disks

## 3310

- SCSI Array
- Up to 5.2 TB Capacity
- 512 MB Mirrored Cache
- 36 GB, 73 GB and 146 GB SCSI Disks

## 3510

- Fibre Channel Array
- Up to 15.6 TB Capacity
- 1 GB Mirrored Cache
- 36 GB, 73 GB and 146 GB Fibre Channel Disks

## 3511

- Fibre Channel Array
- Up to 28.8 TB Capacity
- 1 GB Mirrored Cache
- 250 GB & 400 GB SATA Disks

## SE33/35xx Family Features

- RAID 0, 1+0, 5
- Redundant hot swap controllers and disks
- Redundant hot swap power and cooling
- GUI and CLI Management Interfaces

# Sun StorEdge 5000 NAS Family

<http://www.sun.com/storage/5000/>



## 5210 NAS

- Up to 2.7 TB Capacity
- SCSI based Storage Modules
- Integrated Data Services
  - Snapshots
  - Replication



## 5310 NAS

- Up to 65TB with Fibre Channel Disks
- Up to 179TB with SATA Disks
- Fibre Channel based Storage Modules
- Integrated Data Services
  - Snapshots
  - Replication
- Can be Clustered
- Supports Sun StorEdge Compliance Archiving Software

## SE5000 NAS Family Features

- Optimised NAS Operating System
- NFS & CIFS Support
- GUI and CLI Management interfaces
- Dual Gigabit Network Interfaces

# Sun StorEdge 6000 Series

<http://www.sun.com/storage/midrange/>



## 6130

- Fibre Channel Array
- Up to 41.2TB Capacity
- 1 GB Mirrored Cache
- GUI and CLI Management Interfaces
- 36 GB, 73 GB and 146 GB Fibre Channel Disks
- 400 GB SATA Disks
- Integrated Data Services
  - Snapshots
  - Volume Copy

## 6920

- Fibre Channel Storage System
- Up to 65 TB Capacity
- 16 or 32 port Cross Bar Switch Based DSP
- Up to 14 GB Mirrored Cache
- 36 GB, 73 GB and 146 GB Fibre Channel Disks
- Integrated Service Processor, Phone Home and Remote Support
- Integrated Data Services
  - Snapshots
  - Replication Q1CY05
  - External Storage Q1CY05

## SE6000 Family Features

- RAID 0, 1+0 and RAID-5
- Redundant hot swap controllers and disks
- Redundant hot swap power and cooling
- Data Services
- Application Oriented Storage Provisioning
- GUI and CLI Management Interfaces

# Sun StorEdge 9900 Series

<http://www.sun.com/storage/highend/>



## 9970

- Up to 17.5 TB Capacity
- Up to 48 Channel ports
- Up to 64 GB Mirrored Cache
- Up to 48 Disk Drives
- 36 GB, 73 GB and 146 GB Disks

## 9980

- Up to 147 TB Capacity
- Up to 64 Fibre Channel ports
- Up to 128 GB Mirrored Cache
- Up to 1024 Disk Drives
- 36 GB, 73 GB and 146 GB Disks

## 9990

- Up to 330 TB Capacity
- Up to 192 Fibre Channel ports
- Up to 128 Mirrored Cache
- Up to 1152 Disk Drives
- 36 GB, 73 GB, 146 GB and 330 GB Disks
- External Storage
- RAID-6

## SE9900 Family Features

- RAID 1+ and RAID-5
- NAS, eCopy & iSCSI Blades
- GUI and CLI Management Interfaces
- Integrated Service Processor and Phone Home
- Integrated Data Services
  - Business Copies
  - Replication

# Sun StorEdge L500, L8500

<http://www.sun.com/storage/tape/>



L500

- Up to 18 LTO-2 or SDLT drives
- Up to 395 cartridges
- Up to 79 TB native capacity
- Up to 540 MB/second native



L8500

- Up to 64 LTO-2, 9840C, 9940B drives
- Up to 6500 cartridges and 1300 TB native capacity in base unit
- Up to 1900 MB/second native
- Future support for multiple units interconnected scaling up to 300,000 slots and 2048 drives

## Family Features

- Network Management Interface
- Web based library monitor
- Mixed Media support
- ACSLS Mandatory for L8500