



ORACLE®



Oracle Storage

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2006 New Digital Data (Created, Captured, Replicated)

6X Growth emerging economies growing 30-40% faster than mature economies

161 Exabytes

Enterprises responsible for

85% of this new data

(Security, privacy, reliability, compliance)

988 Exabytes

70% created

by Individuals

95% Unstructurec



Oracle's Storage Strategy

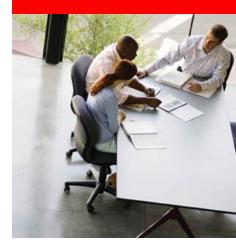
Lead the Open Storage Revolution!

Radically simplifying the way you manage your storage, with breakthrough cost, performance and scale. Keep our **#1** market position in **Tape** by focusing on technology innovation, product reliability/availability and quality service delivery

Continue to Deliver a Best-in-Class traditional Storage Portfolio

Continue our strong growth in the Disk Array market by differentiating in software, services, and system design and packaging

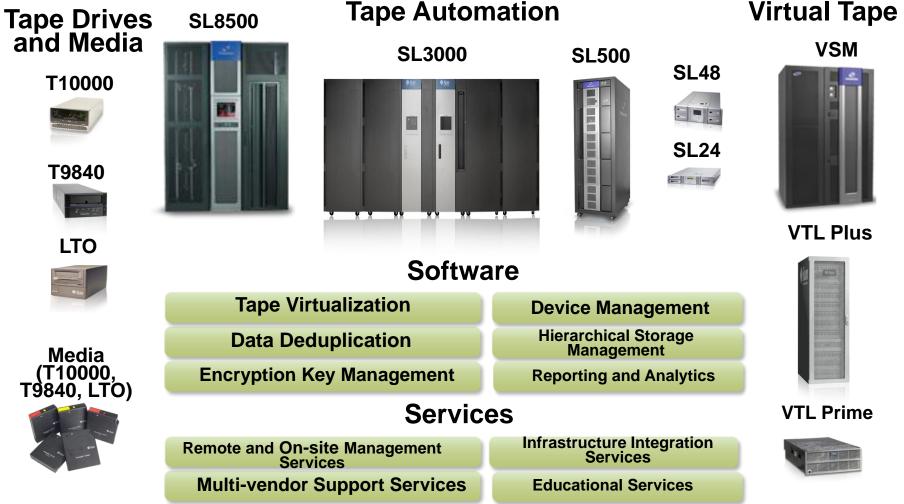




Tape Portfolio



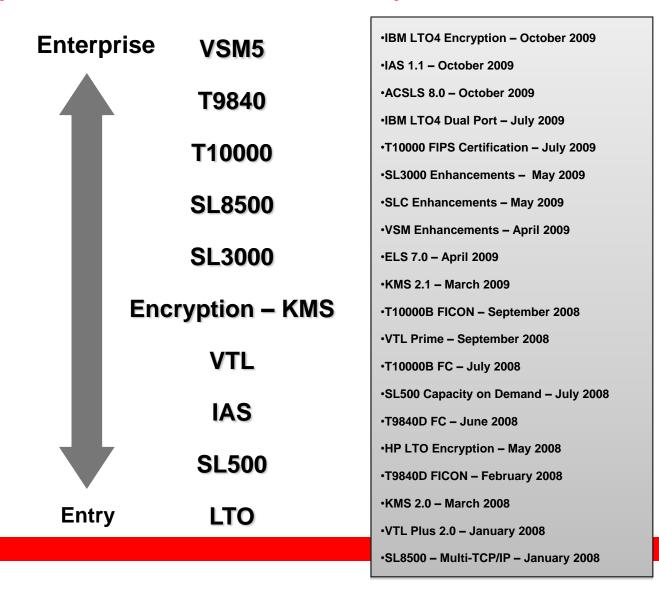
The Industry's Strongest Tape Portfolio



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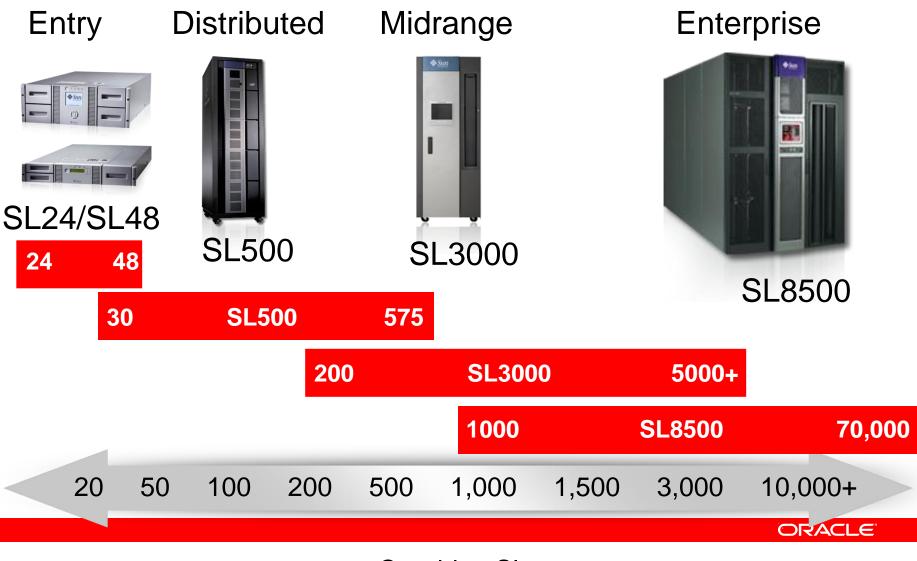
Oracle's Continued Investment

Key Product Announcement – Last 2 years





Oracle's Best in Class Library Portfolio



Cartridge Slots

Oracle Tape Automation

Reduce costs with the SL3000 and SL8500

- Designed for tape consolidation
 - Any Cartridge Any Slot mixed media technology
 - Open systems and mainframe connectivity
 - SL3000 dynamically manages partitions and supports noncontiguous resource assignment
- Highly efficient designs reduce power and floor space costs
 - SL8500 is 25% more efficient and 25-50% smaller than PowderHorn
 - SL3000 is 50% more efficient and 60% smaller than other solutions

 Oracle Differentiator



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Oracle Tape Encryption Simple, Secure, Networked, Automated

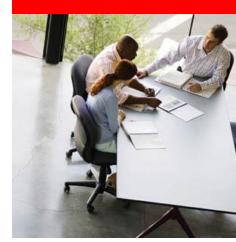




- Oracle's Sun StorageTek Crypto-Key Management System
 - A simple, secure and scalable solution with a single crypto key management station
 - T10000A and T10000B
 - T9840D
 - LTO4 from HP and IBM
- WORM technology
 - T9840 and T10000 VolSafe







7000 Systems



Introducing the Sun Storage 7000 System...



Radically SIMPLIFYING the way you manage your storage with breakthrough SPEED, SCALE and COST SAVINGS



Speeding Up, Simplifying, and Cutting Costs for Thousands

- Shipped more than 54PB of storage to date
- Achieving broad market adoption across multiple industries
- One of the fastest ramping Storage products ever from Sun





Sun Storage 7000 Systems

7110 ENTRY-LEVEL STANDALONE 8 GB memory • 14 300GB SAS disks

> 7210 HIGH-DENSITY SCALABLE

Up to 64GB memory, **142 1**TB SATA disks Up to 2 18 GB write-optimized SSDs

ENTRY-LEVEL CLUSTER-CAPABLE

7310

Up to 64GB memory, 96 1TB SATA disks Up to 6 100GB read/16 18GB write SSDs Active-Active Clustering for H/A

7410

STANDARD FEATURES (ALL MODELS)

All Data Protocols and Data Services Included (Analytics, Snapshots, Replication, Compression, NFS, CIFS, iSCSI...)

Built-in 4 1 Gb Ethernet ports

Remote Console (Serial or Ethernet)

Lights-out Management

SCALABLE CLUSTER-CAPABLE

Up to 256GB memory, 288 1TB SATA disks Up to 6 100GB read/16 18GB write SSDs Active-Active Clustering for H/A



Full Complement of Storage Software

Included with the System at No Additional Cost

Data Protocols	Data Services	Management
 •NFS v2, v3 and v4 •CIFS •ISCSI •HTTP •WebDAV •FTP/SFTP/FTPS •NDMP v3/v4 	 Flash Hybrid Storage Pool RAID-Z (5) RAID-Z DP (6) Mirroring Striping Active-active Clustering Remote Replication Antivirus via ICAP Protocol Snapshots Clones Compression Thin Provisioning End-to-End Data Integrity Multi-Path I/O Fault Management Microsoft VSS/Shared Folders 	 DTrace Analytics Dashboard Role-Based Access Control NIS LDAP & AD Alerts Phone Home SNMP Scripting Upgrade Hardware View Advanced Networking Workflow Automation



Providing Unprecedented Storage Analytics

- Automatic real-time visualization of application and storage related workloads
- Simple yet sophisticated instrumentation provides real-time comprehensive analysis
- Supports multiple simultaneous application and workload analysis in real- time
- Analysis can be saved, exported and replayed for further analysis
- Built on DTrace instrumentation
 - NFSv3, NFSv4, CIFS, iSCSI, NFS over RDMA (Infiniband)
 - ZFS and the Solaris I/O path
 - CPU and Memory Utilization
 - Networking (TCP, UDP, IP)





Instant Visibility into Key Questions

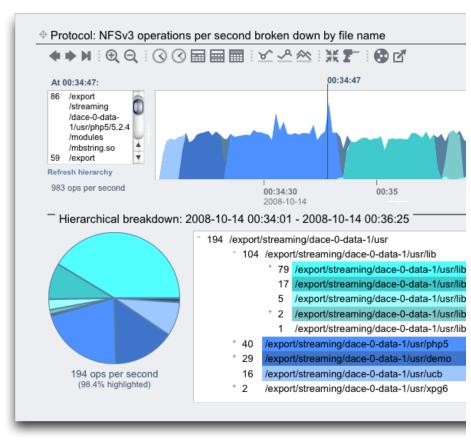
"What is CPU and Memory Utilization?"

"How much storage is being utilized?"

"How is disk performing? How many Ops/Sec?"

"What Services are active?"

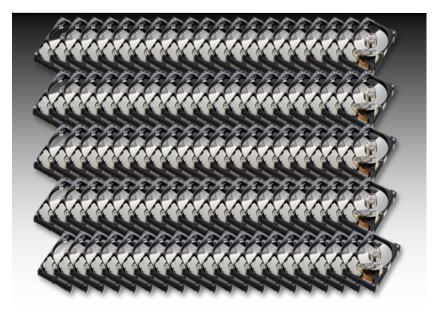
"Which applications/users are causing performance issues?"



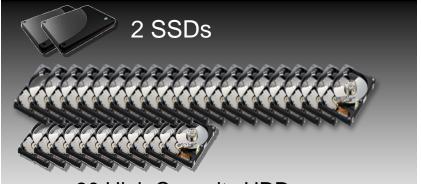


Hybrid Storage Pool Benefits

100 Enterprise HDDs



Hybrid Storage Pool



30 High Capacity HDDs

1/3 the cost!

Capacity: 30TB Performance: 30K IOPS Power: 1,750W Capacity: 30TB Performance: 40K IOPS Power: 392W



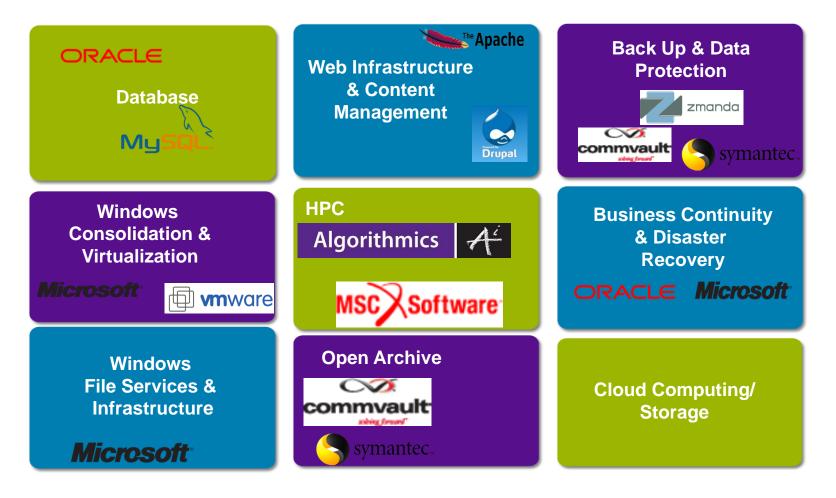
Breakthrough Storage Economics



- Gain up to 75% cost savings
- No additional software license fees
- 3x less power consumed
- Reduce break/fix calls and enjoy a Single Point of Contact (SPOC) with Oracle Services



The Ideal Storage Platform for a Wide Range of Infrastructure Solutions



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