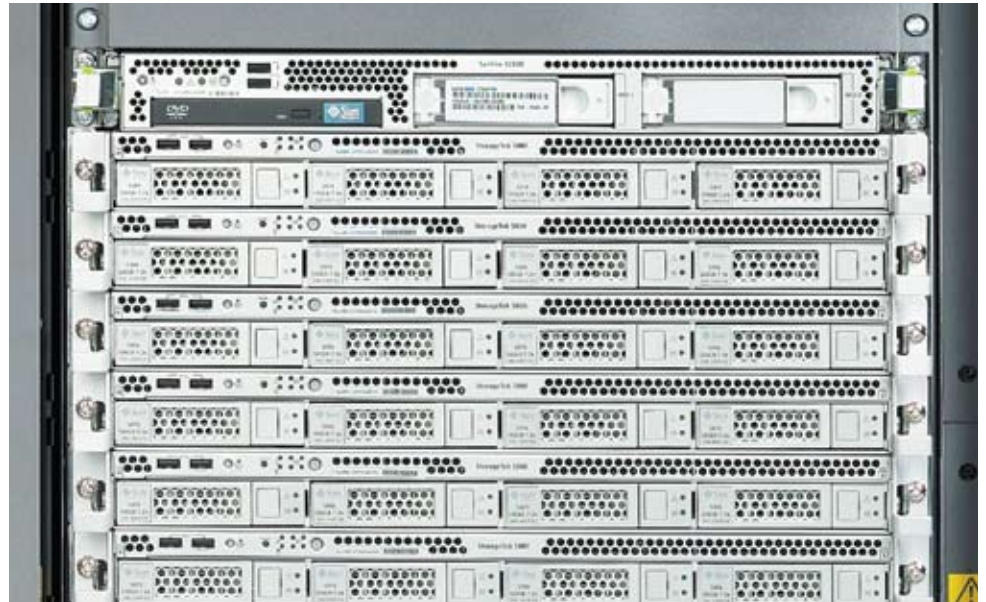


# Sun StorageTek™ 5800 System for Healthcare Customers' Medical Image Archives



## Highlights

### Benefits to healthcare imaging and IT professionals

- Integrates with leading Picture Archiving and Communications System (PACS) vendor solutions
- Advanced data integrity design greatly helps protect against data loss
- Grow from 8 — 1,000 TB non-disruptively and on-demand as the archive grows

### Benefits to developers of healthcare archival solutions

- Scalable deployment model serves smaller clinics to multihospital networks with a single architecture
- Ability to store and query against metadata
- Ability to create plug-ins for modifying storage behavior
- Maintain a single data image as the system scales
- Transparent technology refresh for long-life applications



The Sun StorageTek™ 5800 system is designed to meet the specific needs of medical imaging and information technology practitioners, by addressing the demanding nature of healthcare information protection and retrieval.

Sun StorageTek 5800 is an open source system, representing a completely new category of storage that allows applications such as Picture Archiving and Communications System (PACS) to be more efficiently deployed by leveraging compute resources inside the storage environment. Data integrity and failure tolerance are improved over other storage system designs, and there are sophisticated mechanisms available for organizing and finding data among hundreds of millions of files.

As anyone working for a care delivery organization knows, proper management and protection of health information is critical. In its electronic form, such information adds up to create a multi-terabyte-sized headache for IT departments required to retain the information securely for anywhere from multiple years to beyond

the life of the patient. To help address this for our healthcare providers, Sun StorageTek 5800 scales transparently on demand to hundreds of terabytes. Data integrity is improved through checksum auditing mechanisms and because modification of data is simply not allowed. Sun StorageTek 5800 will also support retention time directives by helping to insure that images and records cannot be deleted before their expiration dates. Sun StorageTek 5800 is a clustered storage solution that leverages clustered servers for both processing and storage functions, and allows custom data services and metadata (data about the data) management to be deployed directly within the healthcare provider's storage environment.

Traditional storage systems are not metadata aware, and in order to organize and find such data customers deploy external databases with search capability. In contrast, with Sun StorageTek 5800 each data object can have indexed metadata associated with it that can be queried against by the application. Sun StorageTek 5800 also supports a file system interface that allows different users to view data in different ways.

Many hospitals and imaging centers are getting locked into high-priced storage systems that may be a poor price/performance fit for radiology. Sun StorageTek 5800's design leverages commodity components and offers greatly simplified management for our healthcare customers. The system's low-cost parallel architecture is designed to be self-healing in the event of failure, eliminating the urgency for component replacement and greatly reducing service costs. Multiple simultaneous failures are supported without incurring the overhead of mirroring, and self healing is accelerated through parallelism.

#### Learn More

Get the inside story on the trends and technologies shaping the future of computing by signing up for the Sun Inner Circle program. You'll receive a monthly newsletter packed with information, plus access to a wealth of resources. Register today at [sun.com/joinic](http://sun.com/joinic).

The net result is storage with a lower cost to purchase and to maintain and operate over time. Sun StorageTek 5800 represents a third generation approach to online archival that allows you to keep up with escalating storage demands for long-term information preservation while simplifying data management and reducing operating and capitol costs. Sun StorageTek 5800, in conjunction with leading PACS vendor products, improves clinical information lifecycle management and protection.

#### For more information

The Sun StorageTek 5800 system can help solve unstructured- data storage problems in healthcare. Early-access systems are shipping today to selected customers. Systems will be available through industry leading medical imaging and information technology providers. Contact your local Sun representative or visit [sun.com/storagetek](http://sun.com/storagetek)