

# Sun™ Storage Archive Manager

Share, manage, and protect file data  
without breaking IT budgets



As data volumes and storage infrastructure expand to handle the explosion in file-based information, companies are struggling with the resulting management complexity. Designed to address the challenges of rapid data growth, Sun™ Storage Archive Manager (SAM) streamlines data management processes to help organizations save time and money. Policy-based storage tiering, comprehensive data protection, and data archiving combine with automatic data management based on the business value of information to help reduce storage cost and complexity.

## Highlights

- Save money with a policy-based solution that puts the right information on the right storage at the right time
- Gain control and simplify storage management with storage tiering, archiving, and data protection
- Improve access to business information throughout the data lifecycle
- Reduce backup windows and minimize vulnerability with a solution that continuously archives file data
- Simplify the configuration, management, and monitoring of file systems
- Archive data in an open format to ease future access and avoid vendor lock-in

### Simplify storage management

Putting the right information on the right storage can save money over time. Sun SAM software actively manages data between storage tiers to let companies exploit the substantial acquisition and operational cost differences between high-end disk drives, SATA drives, and tape devices.

Sun SAM software provides an abstraction layer between applications and underlying storage tiers. Applications remain unaware of the physical location of data. As information is written by applications, it is automatically and transparently placed on the most cost-effective storage — based on specified retention and retrieval policies — to align storage and archiving costs with business priorities and ease the management burden.

### Improve access to business information

Sun SAM software provides ready access to data throughout its lifecycle. Managed files appear to exist in the topmost directory of the storage hierarchy, no matter where they actually reside on physical storage. When a file is accessed, Sun SAM retrieves data from the storage tier with the fastest response time. In addition, previously hard to access data can be moved into tiered storage controlled by Sun SAM, keeping costs manageable while providing quick data access.

### Reduce backup windows and costs

Traditional data retrieval and recovery processes are cumbersome and time-consuming, leaving file data vulnerable between scheduled backups. Sun SAM software continuously archives file data to as many as four local and remote storage locations for effective and efficient data protection and recovery. Only changed files are archived, placing less strain on the IT infrastructure.

With other solutions, users can experience lengthy downtime when data is recovered after unplanned outages. With Sun SAM, users can quickly recover from an application or system outage without data corruption or loss. In a total system failure, administrators can restore the file system structure and reinstate access to files in minutes. With faster disaster recovery, companies can resume business operations quickly, reduce financial loss due to outages, and demonstrate compliance with regulations for how data is managed.

### Ease administration

Administrative inefficiencies disrupt progress and delay results. Sun SAM includes a wide range of features to simplify the configuration, management, and monitoring of file systems. With a Web-based management portal, enhanced

monitoring and diagnostics, and role-based access control, Sun SAM software provides a powerful, easily managed, cost-effective way to archive, access, and protect critical data over its entire lifecycle.

Administrators can grow or shrink file systems online, and software deployed in shared environments can be upgraded with no downtime, keeping data available even when configuration changes are ongoing.

### Integrate with virtualized environments

Virtualization is a key money saving strategy. With Sun SAM, shared and archiving file systems can be used in environments configured to use Solaris™ Zones partitioning software that prevents processes running in one zone from monitoring or affecting processes running in other zones for greater isolation.

### Archive data for the long haul

With Sun SAM software, data can be archived using an open format to ease future access and avoid vendor lock-in. Sun SAM creates storage “containers” that map fully to the industry-standard UNIX® tar format for file encapsulation. Any tape or disk archive generated by Sun SAM can be independently read and restored—even without the software.

Physical disk and tape media have finite useful life spans that are typically much shorter than the overall lifetime of the data contained on them. Maintaining access to this vital data is key. Sun SAM provides application transparent migration between

media during hardware replacement cycles to dramatically simplify the process of moving to newer media technologies.

### Improve archive performance

Getting access to archived data quickly is often paramount. Sun SAM allows metadata to be stored in a sideband MySQL™ database for each file system. With this capability, storing metadata can occur 11 times faster once 6 million files are archived. The result is faster retrieval and restoration of file data.

### Share and scale data

Data management infrastructure can be optimized by combining Sun SAM with the Sun QFS advanced file system. Together, these technologies provide a complete data management solution with integrated file services, higher performance capabilities, file sharing, and robust scalability.

### Engage the storage experts

Sun service professionals can help address storage challenges by delivering integrated services and solutions that optimize and manage storage performance over the life of data. Our recognized, world-class service and customer care can help companies rest assured that technology investments are protected and that the business can respond to change.

Sun experts can help pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets. Our consulting and managed services offer clear and simple solution choices that address regulatory- compliance, storage growth,

### Learn More

For more information on Sun Storage Archive Manager, visit [sun.com/storage](http://sun.com/storage).

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).

resource management, and scalability challenges. Covering more than 125 countries, Sun's dedicated storage service professionals can help companies gain and sustain measurable results with the reliability and flexibility required.

### Go with a storage leader

Sun continues to drive storage technology forward, developing innovative storage systems and software that safeguard data, accelerate access, and reduce the cost of storing and managing data. By taking advantage of advancements in Sun SAM software, companies can gain control of storage assets, deliver faster access to business information, and simplify administration while reducing costs.