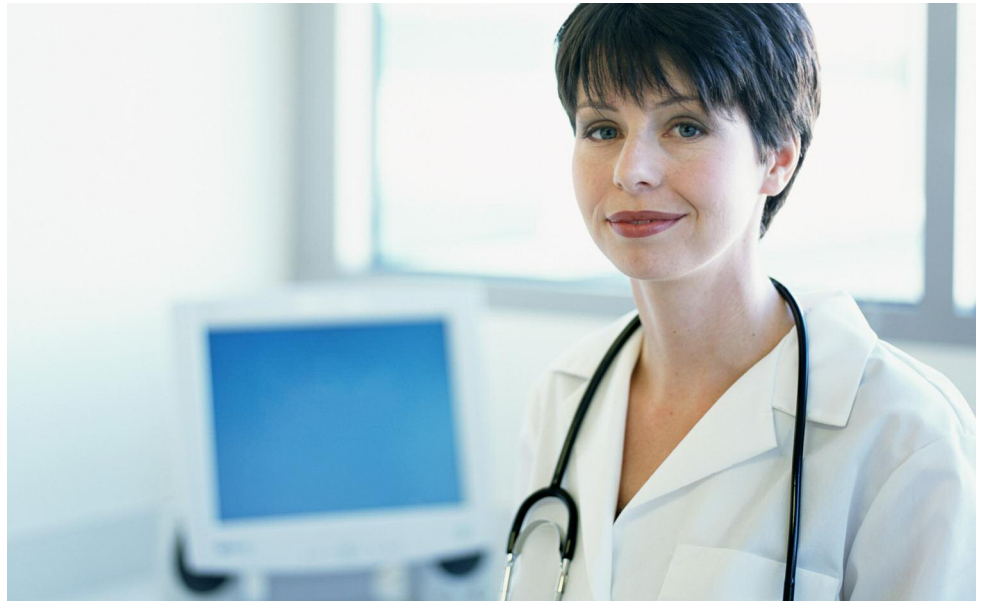


Sun™ Identity Management for Healthcare

Making It Easier to Manage and Share Digital Information



Highlights

- Automated management of digital identities for other providers, patients, physicians, clinicians, and payors
- Single sign-on and federated identity management streamline the process of providing secure access to privacy regulated healthcare information while adhering to strict mandates
- Delegated, self-service password management reduces administrative demands and costs, while increasing quality of service
- Complete auditing and reporting capabilities help healthcare organizations comply with the Health Insurance Portability and Accountability Act (HIPAA), as well as with internal security policy and corporate governance policies



Despite the fact that digital technology is present in virtually every facet of society today, predictions of a “paperless” world have so far proven somewhat premature for many industries. However, healthcare may be a notable exception.

Operating in some of the most information-intensive, security-sensitive environments anywhere, healthcare organizations are realizing the importance of making the transition from paper to electronic records. The benefits range from dramatically lower costs for records storage, to more efficient information management on a day-to-day basis, to easier sharing of information with other providers, payers, and outside entities. Ultimately, these advantages will lead to the larger benefit of improved patient care and lower overall healthcare costs.

To realize these benefits, healthcare organizations need technology solutions that will help them streamline data-related operations while maintaining the security of sensitive information — a requirement that is increasingly mandated by law.

There are a number of challenges associated with healthcare’s increasing reliance on digital information technology, including:

- *Improving security and privacy:* Healthcare organizations must ensure the security of private patient information and other sensitive data — even as they collaborate and share resources online with other providers, payors such as insurance companies and government agencies, and other outside entities. Their challenge is to open up authorized access to more users, ensuring that authorized users see only the information they are authorized to see, while at the same time preventing unauthorized users from gaining access. Today, this need to protect sensitive information is more than a matter of internal policy; it’s the law. The Health Insurance Portability and Accountability Act (HIPAA) requires healthcare organizations to protect private patient healthcare information.

- **Increasing cost-efficiency:** Not only do healthcare organizations need technology solutions that will help them control costs, they also need solutions that are cost-efficient to deploy and maintain. These solutions must be easy to integrate with existing legacy systems in order to leverage previous technology investments. And they must feature extensive automation, delegation, and other capabilities that serve to keep deployment and administrative costs low.
 - **Improving quality of service:** As healthcare organizations move more and more into digital information and online collaboration with external organizations, they must find ways to make it quick and easy for patients, physicians, payors, and others to access and use multiple online resources and information. For example, a healthcare provider could enable patients to directly access medical records, check on benefits coverage, and communicate with a physician or nurse — all through one convenient online portal.
- Sun™ identity management for healthcare**
- Without highly automated, flexible, and secure identity management, healthcare organizations cannot manage the growing amount of complex, valuable, and sensitive digital identity information associated with IT advances. Sun™ identity management for healthcare addresses healthcare organizations' challenges by:
- Automating the management of digital identity information for the entire universe of users inside and outside the healthcare organization
 - Controlling costs and improving users' online experience through automated provisioning, secure delegation of administrative activities, self-service password management, and other everyday tasks
 - Centralizing administrative control over access to resources to improve the security of sensitive patient data
 - Offering a federated identity framework for online collaboration with patients, physicians, payors, and other healthcare providers
 - Providing robust auditing and reporting to ensure ongoing compliance with HIPAA, other regulatory requirements, and internal security policies

Capabilities at a glance

Sun identity management for healthcare provides all the capabilities that healthcare organizations need to support digital data operations — securely and cost-efficiently.

Sun Java™ System Identity Manager enables healthcare organizations to easily and efficiently manage the identity life cycle for a dynamic universe of users.

- Automated user provisioning and deprovisioning eliminates inefficient and error-prone manual processes — speeding service, reducing costs, and improving security when users should no longer have access to the system.
- Password management enables automated password reset and synchronization along with self-service and delegated password management — reducing the cost of help desk support, while delivering a better user experience.
- Synchronization services make it possible to synchronize identity information and services across the extended identity environment — helping to control costs and ensuring that authoritative data is accessible and available, even if the authoritative source is not.

Feature	Function	Benefit
Automated provisioning	<ul style="list-style-type: none"> • Automates complex, multistep provisioning tasks previously performed manually • Reduces provisioning and deprovisioning time from days to hours or minutes 	<ul style="list-style-type: none"> • Improves security when employment ends or access-related roles otherwise change • Reduces deployment time and management costs for smart cards and other two-factor authentication systems
Synchronization services	<ul style="list-style-type: none"> • Automatically synchronizes identity data across resources 	<ul style="list-style-type: none"> • Accommodates agency requirements for distributed ownership of data • Eases migration to directory-based infrastructure • Ensures that user information and access privileges are accurate and current across all systems
Auditing and reporting	<ul style="list-style-type: none"> • Provides auditing and reporting of profile data, change history, and user permissions across organizations 	<ul style="list-style-type: none"> • Ensures that security risks are detected and administrators can respond proactively • Eases compliance with agency security mandates
Password management	<ul style="list-style-type: none"> • Enables automated, secure password reset and synchronization across systems • Provides for self-service and delegated password management 	<ul style="list-style-type: none"> • Improves security by improving access control • Lowers support costs by reducing help desk calls • Reduces amount of employee downtime due to forgotten passwords

Sun Java System Access Manager

Java System Access Manager delivers advanced access control, single sign-on, and federated identity management across multiple healthcare organizations.

- Centralized authentication and authorization services ensure that users are challenged to prove their identities in order to be authorized for access to sensitive applications and patient data — enhancing security and controlling costs through a centralized framework for defining, enforcing, and consistently applying security policies.
- Single sign-on (SSO) allows a user to sign on once and navigate seamlessly across multiple platforms and applications — increasing efficiency and improving the online experience for users.
- Federated identity management enables seamless and secure access for patients, physicians, payors, and others across applications hosted by different entities in the healthcare delivery chain — greatly improving the user experience while reducing, or even eliminating, unnecessary account maintenance between healthcare providers.

Feature	Function	Benefit
Authentication	<ul style="list-style-type: none"> • Provides support for common authentication credentials 	<ul style="list-style-type: none"> • Ensures that users are securely identified • Provides compliance with HSPD-12 and other initiatives for authenticating individuals
Single sign-on (SSO)	<ul style="list-style-type: none"> • Allows a single sign-on across multiple applications • Enforces authentication credentials 	<ul style="list-style-type: none"> • Increases efficiency • Improves the user experience • Enhances security
Centralized authorization services	<ul style="list-style-type: none"> • Centralizes enforcement of security policies 	<ul style="list-style-type: none"> • Enhances security • Controls costs by providing a uniform, central means of consistently applying security policy
Federated identity support	<ul style="list-style-type: none"> • Enables authentication and authorization across computing domains, including interagency • Provides interoperability across authentication and authorization platforms 	<ul style="list-style-type: none"> • Enables collaboration with other agencies and external partners • Reduces costs through more efficient integration

Sun Java System Directory Server Enterprise Edition

Java System Directory Server Enterprise Edition provides secure, scalable, and highly available directory services for healthcare organizations, while ensuring the accuracy and reliability of identity data.

- Centralized repository for identity application and network resources streamlines identity information storage and management — increasing efficiency and lowering costs.
- Extensive dynamic access control ensures granular access to sensitive identity information — tightly controlling who has access to what information.
- High-performance technology meets the demands imposed by tens of thousands of authentication and authorization requests per second — ensuring the reliable response that users expect.
- Protection for the core identity data enables failover operations and prevents attacks that impact availability of service — improving the ability to consistently deliver reliable access.
- Microsoft Active Directory password synchronization automatically synchronizes passwords between Directory Server and Active Directory — enabling interoperability in heterogeneous technology environments.

Feature	Function	Benefit
Centralized repository of information	<ul style="list-style-type: none"> Streamlines identity information storage and management 	<ul style="list-style-type: none"> Reduces IT complexity Enhances security with operational and cost efficiencies by centralizing information
Directory proxy services	<ul style="list-style-type: none"> Prevents internal and external attacks on systems Enables failover operations Provides data-hiding capabilities 	<ul style="list-style-type: none"> Strengthens security and ensures availability while providing flexibility for periodic maintenance Increases efficiency and lowers costs by maximizing availability
Microsoft Active Directory password synchronization	<ul style="list-style-type: none"> Automatically synchronizes passwords and other user information between Directory Server and Active Directory Results in zero footprint on Active Directory systems 	<ul style="list-style-type: none"> Facilitates interoperability Enhances quality of service to users Employs patent-pending technology to enable nonintrusive implementation
Failover/failback	<ul style="list-style-type: none"> Ensures availability of service even if a server goes offline 	<ul style="list-style-type: none"> Increases reliability and provides flexibility for maintenance and migration/upgrades

Sun Java System Identity Auditor

Java System Identity Auditor provides a solution to streamline the processes required to maintain security policy, regulatory compliance, and privacy on an ongoing basis.

- Real-time auditing provides up-to-the-minute auditing of authentication attempts, authorizations, and changes — enabling compliance with HIPAA and other regulatory requirements while improving security.
- Robust reporting function provides reports on violations, remediations, and exceptions — making ongoing compliance easier and streamlining the work associated with compliance audits.
- Packaged audit policies for HIPAA help establish common compliance evaluation criteria such as segregation of duties — enabling rapid implementation of processes for improved compliance.

Feature	Function	Benefit
Compliance dashboard	<ul style="list-style-type: none"> Displays a summary view of critical security metrics Displays violations, exceptions, and anomalies 	<ul style="list-style-type: none"> Provides complete and current visibility into security and compliance exposures
Audit scan	<ul style="list-style-type: none"> Evaluates identity data in target systems against audit policy criteria Automatically detects violations and notifies appropriate personnel — either scheduled or ad hoc 	<ul style="list-style-type: none"> Provides early warnings about potential risks
Automated certification reviews	<ul style="list-style-type: none"> Provides for delegated reviews of access privileges and policy violations Automatically initiates remediations and captures exceptions 	<ul style="list-style-type: none"> Facilitates sustainable compliance by streamlining ongoing review of access privileges and events
Identity service for Security Event Management (SEM)	<ul style="list-style-type: none"> Delivers correlated identity logs to SEM applications Automates notification and remediation consistent with SEM security policy 	<ul style="list-style-type: none"> Provides identity context to SEM applications Enables timely action in response to security incidents

Sun: Supporting efficient, secure identity management for healthcare organizations

Sun identity management for healthcare supports healthcare organizations' transition from paper-based operations to digital operations, with a comprehensive set of services for securely and efficiently managing digital identities online. In addition to using automation and other advanced capabilities to protect sensitive information while making it available to authorized users, the Sun solution includes a full auditing and reporting component. This is critical in helping to ensure ongoing compliance with HIPAA and other regulatory and legal requirements for data privacy and security.

Serious software made simple

Sun provides a complete portfolio of affordable, interoperable, and open software systems designed to help you maximize the utilization and efficiency of your IT infrastructure. Built from the secure, highly available foundations of UNIX® and Java, these systems deliver implementations that are preintegrated and compatible. Sun's portfolio consists of Solaris™ and Linux software for SPARC® and x86 platforms, the N1™ Grid platform, and the Sun Java System.

The Java System is a radical approach that changes forever the way businesses acquire, develop, and manage software. Only Sun has the experience and the end-to-end portfolio to deliver such a unique and industry-revolutionizing strategy. With the Java System, infrastructure solutions and critical business applications are up and running faster, easier, and at a lower cost than ever before, so you can focus on innovation, competition, and bottom-line results.

About Sun Microsystems, Inc.

Since its inception in 1982, customers have continually turned to Sun to help them grow their business, lower their costs, and gain competitive advantage. Sun is a leading provider of industrial-strength hardware, software, services, and technologies that make the Net work.

For more information

To learn more about Sun identity management for healthcare, please visit sun.com/identity.

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