

SUN HEALTHCARE  
**ENABLING THE eHEALTH ENTERPRISE**

Cost-effective, secure, compliant information systems



## Highlights

Sun healthcare solution focus areas:

- Caregiver mobility
- Compliance
- Health information exchange
- Open storage and archiving
- Payer efficiency

Healthcare customers demand increasingly integrated technology solutions to meet intense economic, regulatory, and competitive pressures. Organizations must deliver high-quality patient care while lowering operational costs and retaining key talent. Sun is proud to team with exciting partners to create industry offers that deliver superior business value to healthcare organizations. The result is an ecosystem of solutions that enables the transformation to cost-efficient, secure, and compliant information systems needed today and tomorrow.

### A connected community

At Sun we're laying foundations by forging important partnerships with healthcare-related independent software vendors, systems integrators, master resellers, groups, and consortia. These are the organizations that will turn the fragmented IT environments into a connected community.

Sun has been focused on healthcare for more than 20 years. Over that time, Sun solutions have earned some of the industry's most prestigious awards from Frost & Sullivan, Forbes, Fortune, Industry Week, Network World, Storage magazine, and others. We're pleased to bring you information on Sun's current endeavors as we continue to grow and meet the healthcare needs of the next generation.

### Enabling the eHealth enterprise

Sun aims to "Enable the eHealth enterprise" with our vision of the future, showing a world where technology comes to the aid of everyone — not just patients

and practitioners but also labs, clinics, hospitals, insurers, and administrators.

We see the healthcare enterprise of tomorrow as a single, integrated community, a place where patient information flows seamlessly across departments, facilities, regions, and even nations, through a secure, cost-efficient network. It's a world where information moves almost at the speed of thought, where crucial medical records are available at the snap of a finger, where the right medical image gets into the right hands at the precise moment it's needed. With our healthcare partners, we're making that vision a reality.

### Healthcare focus areas:

#### Caregiver mobility

Patient information needs to be available at the point of care, but it also must be protected carefully. Sun Ray™ Ultra Thin Client technology and Sun Virtual Desktop Infrastructure Software enable clinicians to use any application they need at the bedside while keeping confidential data safe and secure in the datacenter.

#### ISV partner: Promptu Technologies

Promptu's mission is to deliver superior desktop performance that gives organizations maximal flexibility, reliability, and security. Based in Denver, Colorado, Promptu is a leader in the evolution of desktop infrastructure, enhancing its use within enterprise environments. Promptu's ThinIdentity solution offers customized "anywhere, anytime" virtual desktops, stronger data compliance, significantly reduced costs, and greatly improved workflow for the healthcare professional.

Sun's partnership with Promptu enhances the integration of Sun Ray technology and Sun Virtual Desktop Infrastructure Software into a Microsoft environment.

#### ISV partner: AWARE

Aware, Inc., has been a leader in the biometrics industry since 1992, providing a comprehensive portfolio of OEM client and server software components that capture, compress, format, match, and

network biometric images and data. Aware's BioSP is a service-oriented, J2EE-based biometric authentication server that has been integrated with Sun™ Identity Manager, Sun OpenSSO Enterprise software, and Sun Ray systems. It can be used to quickly and seamlessly enable an access management platform with the added security and convenience of biometrics.

### Compliance and security

Sun's Solaris™ 10 Operating System, with its extensive built-in security features, combines the cost advantages of an open, standards-based operating environment with mainframelike security and availability. It's essential technology for any environment that deals with privacy issues and regulatory requirements. Sun's identity management solutions and long history in data security help balance patient privacy with fast file access, and can help healthcare facilities address HIPAA privacy compliance requirements.

#### MySQL software

MySQL software is a cost-effective, reliable, and proven database that enables healthcare providers, payers, as well as ISVs and systems integrators to automate the management of health information. That is why some of the leading solution providers including eClinicalWorks and MacPractice rely on MySQL software for their database requirements.

Join the many innovative healthcare institutions that are using MySQL software to deploy business-critical applications to meet new eHealth and consumer-directed health business requirements for fast performance, high reliability, ease of use, and dramatic cost savings.

### Identity management suite

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, payers, and other healthcare providers
- Providing robust auditing and reporting to ensure ongoing compliance with HIPAA, other regulatory requirements, and internal security policies

#### *ISV partner: FairWarning*

FairWarning's mission is to be the world's leading supplier of healthcare privacy surveillance solutions for electronic health records (EHR). FairWarning protects healthcare organizations from emerging legal and privacy threats including patient snooping, patient lawsuits, medical identity theft, and identity theft. State and federal regulations play a role in the customer adoption of FairWarning.

Currently deployed in nearly 100 hospitals and 600 clinics, FairWarning is delivered as a turnkey solution on a hardened appliance server(s) and is the first product of its kind to provide out-of-the-box support for every major EHR vendor as well as dozens of other healthcare applications.

Sun's systems are optimized to run FairWarning, providing proactive patient record auditing to detect unauthorized snooping.

#### **Health information exchange**

Health institutions, governments, and coalitions worldwide are teaming to deliver fundamental transformation of healthcare IT and information services. Institutions such as the (U.S.) National Health Information Network (NHIN),

British Columbia's Provincial Laboratory Information System (PLIS), and the U.K.'s National Health Service rely on Sun to create agile, patient-centered electronic health records, master patient indexes, and integrated views that bring new levels of patient safety and information exchange.

#### *NHIN CONNECT*

The Nationwide Health Information Network (NHIN) is being developed to provide a secure, nationwide, interoperable health information infrastructure that will connect providers, consumers, and others involved in supporting health and healthcare. The foundation of NHIN is Consolidated Health Informatics Initiative and the Functioning and Disability Domains (CONNECT). Using a variety of Sun open-source software, from service-oriented architecture to identity management, four government agencies demonstrated how they could connect to 16 public sector organizations in order to achieve electronic healthcare interoperability, compatibility, and collaboration, all in a matter of months.

#### **Sun Open Storage solutions**

Sun Open Storage healthcare solutions can handle crushing loads of digital data such as films, electronic health records, and older files that need to be converted to digital format. Sun™ Storage 7000 Unified Storage Systems are the first open storage appliances that radically simplify the way you manage your storage — with breakthrough cost savings, speed, and scale. They're a cost-effective solution for healthcare facilities that must retain files for extended time periods.

#### *Sun Storage 7000 Unified Storage Systems series*

The Sun Storage 7000 Unified Storage Systems series is a family of unified storage systems that offers new innovations in storage, including enterprise-class data services, massive scale, and superior performance while delivering significant cost savings. These systems feature a common, easy-to-use management interface that requires no additional training, and they have the industry's most comprehensive analytics environment to help isolate and resolve issues to minimize

#### **Leading healthcare transformation**

Sun is recognized as one of the leading providers of infrastructure and services to hospitals, health networks, research centers, and health insurers. We work with these entities, assisting them to achieve their full potential to the benefit of all stakeholders. With our partners, we have developed cutting-edge approaches using Sun technologies to meet mission-critical priorities. Our products and services are based on the principles of a results-oriented strategy, efficiency, effectiveness, and innovation. We utilize the latest global developments in technology to deliver high-quality solutions for healthcare.

impact to your business. An advanced hybrid storage pool design automatically optimizes performance and helps lower power and cooling requirements, enabling the Sun Storage 7000 Unified Storage Systems family to deliver breakthrough performance while radically simplifying the way you manage your storage.

*ISV partner: BridgeHead Software*

BridgeHead Software is a leading developer of enterprise data management (EDM) software for healthcare organizations. EDM combines backup, archive, and recovery capabilities in one integrated solution to optimize the backup process, reduce storage costs, improve data access, and fully protect data. EDM provides seamless integration into many healthcare-specialized systems and applications, including HCIS from MEDITECH as well as picture archiving and communication systems (PACS) from multiple vendors. BridgeHead is storage and vendor agnostic, enabling EDM software to tie into a customer's current and future mix of storage platforms.

BridgeHead has a pedigree in managing healthcare data, including healthcare-specific data formats such as the Digital Imaging and Communications in Medicine (DICOM) data standard for handling, storing, printing, and transmitting medical imaging data. The company's suite of EDM products is currently deployed at hundreds of datacenters worldwide.

With Sun and BridgeHead, organizations have access to superior, cost-effective HIPAA-ready storage management systems.

*ISV partner: greenBytes*

greenBytes has developed the world's most efficient storage system that enables enterprises to ecologically manage their persistent data more economically and effectively than ever before. greenBytes has leveraged its breakthrough proprietary software in combination with open technologies to create a storage solution that dramatically reduces power consumption and increases density, enabling companies to reduce the carbon footprint of their information.

Sun and greenBytes combined solution-speeds compression and clinical-data deduplication while lowering power consumption.

**Payer efficiency**

The focus for the business of healthcare most recently has shifted to patient-centered or "consumer-driven" solutions, requiring a new level of integration between healthcare services and payer IT systems. As a result, clinical and business transformation of healthcare infrastructures has become central to business and political agendas, aiming to involve consumers, physicians, payers, and employers as never before.

**Learn More**

The future of healthcare looks bright indeed, and it's coming into focus quickly with technologies and partnerships that are in place today at Sun. To learn more about Sun industry offers, go to: [sun.com/healthcare](http://sun.com/healthcare) or contact your Sun representative.

*ISV partner: Greenplum*

Greenplum's mission is to enable companies to manage massive amounts of information and make it all useful. Sun and Greenplum offer a data warehouse appliance that enables payers to attain business intelligence, so that they, among others, can analyze petabytes of claims data to develop new consumer-oriented health plans, detect fraud/abuse, streamline operations, and generate reports to meet all regulatory and compliance requirements.

Greenplum leverages Sun's server-and-storage infrastructure to deliver unparalleled performance for a fraction of the cost.

