

BUSINESS BENEFITS

By deploying a Sun SOA, Geisinger Health System was able to:

- > Increase patient and employee satisfaction
- > Provide instant access to a unified patient record
- > Create a scalable master index that includes more than three million records
- > Reduce interface development by approximately 150%
- > Speed up lab cycles from days to hours
- > Decrease the potential for medical errors and unnecessary tests
- > Leverage existing IT investments
- > Gain the ability to share data with regional and national hospitals
- > Enable new levels of research

WITH SUN, YOU CAN ACHIEVE...

50% to 80% decrease in footprint
70% to 80% increase in server utilization
30+% decrease in power consumption

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SUN SERVICE-ORIENTED ARCHITECTURE/ENTERPRISE SERVICE BUS SOLUTIONS

SUN FACTS YOU NEED TO KNOW

A BUSINESS STORY

Geisinger Health System is one of the largest rural health providers in the nation, delivering services to 2.6 million people within a 20,000-square-mile region in central and northeastern Pennsylvania. Geisinger comprises three hospitals (including a Level 3 Trauma Center), 878 beds, and 40 community practice sites — staffed by 12,000 employees and nearly 800 doctors.

In an effort to boost the level of patient care and simplify data sharing, Geisinger deployed a service-oriented architecture (SOA) to provide communication between more than 100 applications and created a single patient index for all of its hospitals and clinics. To further enhance patient care in the area, Geisinger used its flexible and scalable Sun solution to build the nation's first rural Regional Health Information Organization (RHIO) that facilitates the exchange of patients' records with hospitals outside of the Geisinger Health System.

As a result of its SOA, Geisinger has only one medical record for each patient, which speeds efficiency, especially in the emergency room.

OPEN, SECURE, EFFICIENT



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“AS WE DEVELOP REAL-TIME SERVICES FOR OUR CUSTOMERS, THE FACT THAT WE CAN INTEGRATE APPLICATIONS QUICKLY AND EASILY IS ONE OF OUR CRUCIAL SUCCESS FACTORS. THANKS TO SUN, WE DON’T HESITATE TO TACKLE EVEN THE MOST COMPLEX INTEGRATIONS.”

— Bart Vanhaeren, KBC Bank & Insurance Group

Service-Oriented Architecture/Enterprise Service Bus Solution (SOA/ESB) has emerged as the premier integration and architecture framework in today’s complex computing environments. A SOA/ESB offers a flexible, secure solution and approach for implementing a service-oriented architecture to aggregate and share business logic and data — helping organizations deliver new products and services quickly, reduce costs, and extend networks beyond traditional boundaries.

A SOA/ESB is hardware-independent and is designed to expose and organize disparate IT applications and data into standards-based services that can be integrated and re-used into new service offerings. SOA/ESB bridges the gap between organizations and IT through well-defined, business-aligned services, and ranks among the top CIO priorities.

Increase productivity

A SOA/ESB makes services highly reusable and builds organizational processes to support change. Allowing organizations to react faster, seize new opportunities, and respond quickly to competitive threats.

Drive business results

IT is measured on how quickly and cost effectively it can deliver high-quality applications that drive mission critical business processes. To meet these goals, IT is embracing SOA/ESB applications to deliver efficiency and operations integrity across all fields.

SOA/ESB and open source

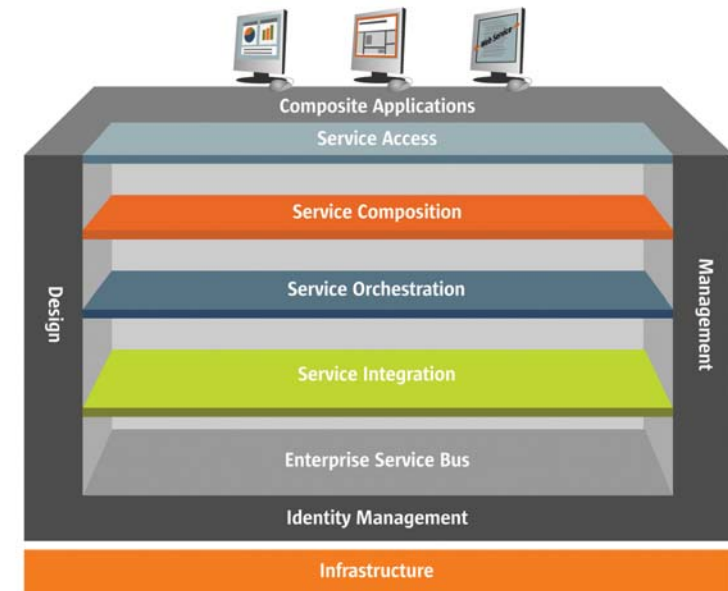
Sun’s open source-based SOA solutions help reduce IT infrastructure costs, lower risk, and build a flexible, standards-based software foundation for future needs, while the open ESB enables rapid plug-in of partner components. Customers gain access to the innovation from the open source community – along with the assurance of proven quality standards and world-class support from Sun.

Business integration

With Sun your business can build and manage SOA-based applications easily.

Using our business integration technologies and services you can:

- > Lower operational costs by enabling cross-line-of-business information sharing
- > Obtain real-time access to better information for improved decision making



- > Provide consistent, timely new business services — increasing customer satisfaction
- > Eliminate vendor lock-in through open-source components and standards-based interfaces
- > Innovate and quickly adapt to fast-changing market conditions and competitive situations
- > Increase flexibility through an agile software infrastructure capable of rapid response to business needs
- > Improve efficiency by streamlining your business process to allow for better tracking

Visibility, flexibility, efficiency

By using SOA/ESB solutions your business can:

- > Enhance visibility by integrating current systems to obtain a consistent accurate view of your customers