

Don't be misled by misinformation and rumors about Open Source – or fall prey to the pitfalls of expensive proprietary solutions.

**GET THE FACTS.**

## **The True Cost of Open Source: Open Source SOA & Application Servers**

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## CHAPTER 1: Overview

Today's leading business enterprises and government agencies are increasingly turning to Open Source to take on their most pressing challenges, including:

- » Driving Productivity
- » Improving Security
- » Optimizing IT Assets
- » Cutting Costs

Don't be misled by misinformation and rumors about Open Source – or fall prey to the pitfalls of prohibitively expensive proprietary solutions. Instead get the facts straight from the experts. Open Source System Oriented Architecture and Application Servers like GlassFish™ can make a tremendous difference in your ability to make informed decisions, streamline IT maintenance and maximize efficiency across your organization. *Read on to see how.*



## CHAPTER 2: THE TRUE COSTS

When it comes to growing your IT infrastructure, enforcing security standards and maximizing productivity, you have two primary choices: traditional yet cost-prohibitive proprietary tools and technology or Open Source solutions.

While proprietary middleware has been the corporate standard during the past decade, today's IT leaders are increasingly turning to Open Source.

Why? While high-cost, proprietary products and vendor lock-ins often constrain companies and government agencies from embarking on new initiatives, Open Source opens the door to innovation. Open Source allows you to fully leverage current IT assets and take on new challenges at a much lower initial cost of development and lower total cost of ownership overall. Need an example? Check out the next chapter to see Open Source in action with the National Health Information Network.



## CHAPTER 3: OPEN SOURCE IN ACTION

A key element of the nation's new health information technology strategy, the National Health Information Network provides the foundation for interoperable, secure and standards-based health information exchange across the U.S.

Like any large-scale initiative, cost has been a key issue from the onset of this project. With our nation facing a monumental budget crisis, a \$26M quote from Sun versus a \$700M quote from a proprietary vendor made the federal government's choice to go with Open Source technology as the foundation for the NHIN an easy one. But the benefits of choosing Open Source didn't stop there.

At its core, the NHIN is an Internet-based network that ensures secure transport and exchange of health information across multiple disparate entities. Open Source simplifies and accelerates the process.

A primary example is CONNECT™, a technology solution created for the secure interoperable health information exchange. Built using Open Source

technology and tools, including JavaCAPS, GlassFish™, OpenESB, MySQL and more, CONNECT was first released to the Open Source community March 31st 2009, enabling multiple government agencies to connect to the NHIN and to facilitate the secure exchange of healthcare information nationwide.

Open Source also makes it possible to deliver the security, interoperability and low cost required for the development and deployment of the NHIN:

**SECURITY:** Agencies can securely exchange healthcare information and maintain HIPAA compliance with Open Source. Moreover, IT security experts have shown over and over that Commercial Open Source Software (COSS) is more secure than proprietary solutions and, when used in conjunction with solid security engineering practices, results in extraordinarily secure systems.

**INTEROPERABILITY:** With Open Source technology, healthcare organizations, business enterprises and government agencies can avoid becoming “locked in” to any specific vendor or company. Open

Source System Oriented Architecture enables interoperability between government agencies as well as the secure healthcare data transfer among Federal, State, Local, commercial and private-sector organizations.

**LOW COST:** By choosing Open Source, healthcare organizations and government agencies get higher quality tools at lower costs without sacrificing reliability. Open Source tools are publicly available and typically licensed royalty free for unrestricted use. These freely available technologies and products make it possible for agencies to join the NHIN at very low cost.

## Chapter 4: Open Source SOA and Application Servers

Open Source System Oriented Architecture (SOA) tools like JavaCAPS and Open Source Application Servers like GlassFish™ are playing a vital role in the success of the NHIN. These Open Source solutions can also help you overcome the lack of integration that may be undermining efficiency within your organization. They also make it much easier to turn your ideas into profitable realities.

Java Composite Application Platform Suite: JavaCAPS provides everything you need to develop, deploy, manage and monitor an Open Source SOA. As the most unified integration platform available today, all of the application components share a common user interface, toolset, data repository, deployment methodology and a single run time. The result is shorter development time and faster application deployment.

JavaCAPS gives you interoperability with all platforms that support Web-services standards. This winning solution also supports a wide variety of hardware, operating systems and application servers.

The GlassFish™ Portfolio: Enterprises and government agencies developing Web applications are using the GlassFish portfolio to reduce their total costs by more than 90% and improve application price/performance by seven (7) times over alternative proprietary solutions. The most complete open Web application platform available, the GlassFish portfolio has flexible subscription-based pricing that allows you to scale, and offers support to meet the needs of organizations of all sizes.



## Chapter 5: Learn More

**Contact us** to learn more about the true cost of Open Source today.

**Click here** for a complete list of the Open Source reference material, products and communities mentioned in this eBook.

