

## Sun and Pentaho

Achieving enterprise business intelligence success with integrated, open, enterprise-class solutions

### Highlights

- The commercial open source Pentaho BI Suite provides comprehensive reporting, analysis, monitoring, and data mining tools
- Pentaho Enterprise Edition extends open source BI capabilities with software and services designed to assist organizations with BI implementations
- Sun platforms offer integrated hardware, software, and services solutions for data warehousing and BI, providing robust performance
- Sun's open source software offerings, such as the GlassFish™ application server and MySQL Enterprise™ provide excellent building blocks and are popular for Pentaho deployments

#### The need for affordable business intelligence

Today's fiercely competitive climate demands that organizations be able to closely monitor business elements to ensure a continued competitive stance. For so many global organizations, scalable, affordable, fully-integrated, enterprise-class business intelligence (BI) solutions are vital for mining valuable corporate data. Effective BI solutions must be able to work across the entire organization while offering just-in-time metrics and other reporting tools to help staff to make better decisions swiftly in rapidly-changing environments.

The key to successful BI is the ability to synthesize information and data from multiple sources and in multiple formats. Typical proprietary BI solutions can be prohibitively expensive, consisting of point solutions that do not integrate well across an enterprise and demand massive proprietary processing and storage resources. As data warehouses can double in size in as little as 12 to 18 months, proprietary vendor lock-in can result in steep expenses with little in the way of alternatives.

#### The Pentaho Business Intelligence Suite

The Pentaho Business Intelligence Suite provides a commercial open source BI platform along with comprehensive reporting, online analytical processing (OLAP) analysis, dashboards, data integration, and data mining tools. The reporting module accesses and formats data from disparate sources, producing reports in popular formats and facilitating the creation, distribution, and management of reports. Optimized for rapid interactive response, Pentaho Analysis allows users to perform ad hoc analysis, dynamically

drill down into greater detail, and navigate and explore data by different criteria, such as sales by region, channel, or time period. Pentaho Dashboards makes it possible to monitor key performance indicators (KPIs) and other metrics, investigate underlying details, and track exceptions, alerting users based on business rules. Pentaho Data Integration synthesizes valuable organizational information scattered across disparate applications and databases, helping to eliminate the stove-piped effects of departmental or regional data silos. Together, Pentaho's sophisticated data mining tools foster discovery of hidden data patterns and correlations, helping to predict future events based on historical patterns.

Pentaho Enterprise Edition extends Pentaho's best-in-class open source BI capabilities with additional software and services designed to help organizations save time and resources, and mitigate risk — all at less cost. Incorporating professional support, software maintenance, enhanced functionality, certified software, product expertise, and software assurance, the Pentaho BI Suite Enterprise Edition provides extra value and protection.

#### Building on Sun technologies

Certified and optimized to run on Sun systems, the Pentaho BI Suite takes advantage of innovative Sun hardware and software technologies for greater performance and efficiency. An enterprise systems and open source leader, Sun's proven platforms are a frequent Pentaho deployment choice. Scalable, cost-effective, and high-throughput Sun servers combined with the open source

Pentaho BI Suite deliver more value at less cost, helping organizations to achieve a reliable, integrated infrastructure with much lower TCO compared to traditional hardware and software solutions.

### Sun leads in open source offerings

Sun views open source as an ideal development and business model for today's economy. There are significant obstacles to the successful development and deployment of new, affordable BI applications and environments due to high acquisition, licensing, and operating costs. Now more than ever, many companies use open source solutions to lower acquisition costs and reap the benefits of community innovation.

The Pentaho BI Suite is certified on the Solaris™ 10 Operating System (OS), MySQL Enterprise™, and Sun GlassFish™ Enterprise Server. These validations provide updated and expanded support for Sun's entire infrastructure stack. Sun GlassFish Enterprise Server is an extremely fast application server that provides a leading open platform for building and deploying next-generation applications and services.

Sun's MySQL Enterprise is one of the world's most popular open source databases and the preferred platform for the Pentaho software. MySQL Enterprise offers consistently fast performance, high reliability, and ease of use. Many of the world's largest and fastest-growing organizations use MySQL Enterprise to power high-volume Web sites, business-critical systems, and applications, while increasing efficiency and cutting costs.

### Look what a Sun and Pentaho solution can do

Analyzing data with a Sun and Pentaho solution can yield tremendous benefits for organizations in virtually any industry.

- A U.S. nationwide real estate brokerage depends on metrics on agent performance, customer satisfaction, and marketing ROI across multiple operational systems. With the Pentaho Data Integration software and Sun's MySQL Enterprise, the client has achieved a threefold performance increase, simplified maintenance, reduced costs, and reduced batch load times by eight hours.
- A European agency can now monitor and analyze traffic flow data gathered from 570 remote traffic sensors every minute. The Pentaho Data Integration software is able to keep pace, handling data volumes that are growing at a rate of more than 200 million records per month. With Pentaho Data Integration software, MySQL Enterprise, and Sun servers with UltraSPARC® processors, the agency analyzes traffic patterns based on weather, time of day, day of week, and the season.
- An online travel company analyzes advertising-driven Web properties according to factors such as placement, time period, and ad type. The Pentaho solution running with MySQL Enterprise provides an integrated, consistent understanding of advertiser costs, revenues, and results, and helps to increase profitability.
- An online digital media company receives multiple streams of consumer purchasing information for sales reporting from Fireclick, Asknet, and other companies. Pentaho software and MySQL Enterprise make it possible for the company to integrate the data streams and generate reporting at a savings of 80% over proprietary alternatives.
- A large financial firm can now analyze key performance indicators (KPIs) across different business areas with a unified reporting and analysis solution comprised of Pentaho software and MySQL Enterprise.

### Learn More

For more information, visit [sun.com](http://sun.com), [pentaho.com](http://pentaho.com), or contact your local Sun sales representative.

Planned and deployed in eight weeks, the solution helps the firm achieve improved response time to customers, and fast, unified access to information.

### About Sun and Pentaho

Pentaho Corporation's open source business model incorporates the innovation, feedback, and contributions of a global community with the leadership, sponsorship, and professional resources of a commercial vendor. Pentaho offers commercial open source alternatives for BI with production deployments that range from small organizations to companies listed in the Forbes Global 2000.

Sun is an industry leader in providing scalable, high-performance platforms on which to build robust next-generation data warehousing, data mining, and BI infrastructures. Long a pivotal provider of technologies used to power business analytics, Sun systems form the foundation for some of the most demanding data mining applications, and offer the throughput and capacity to help organizations optimize data repositories. Together, Sun and Pentaho provide integrated hardware, software, and services solutions for data warehousing and BI that provide full functionality, robust enterprise-class performance and scalability, and significantly reduced acquisition and ownership costs compared to proprietary hardware and software solutions.