A New Approach to Business Intelligence from JasperSoft and Ingres

The Ingres Icebreaker BI Appliance Powered by JasperSoft

Intelligent decision-making can either make or break enterprises. Business Intelligence (BI) systems effectively enable organizations to become more competitive, respond quickly to market demand and ultimately impact the organization's bottom line.

BI's main focus has been on providing organizations with meaningful information from the many operational systems within the company such as customer service, manufacturing, finance or sales. BI systems integrate the information from all these systems and provide organizations with reports, analysis and dashboards to capture new opportunities and achieve a competitive edge.

Conventional BI approaches and solutions frequently have organizations facing the following challenges:

- Length and cost of the project
- Implementation costs for integration and solution development
- Lack of internal IT expertise
- Significant capital costs for software licenses
- Difficulty in meeting future organization requirements

Businesses and organizations seeking an alternative solution to costly, traditional approaches can use the Ingres Icebreaker BI Appliance to address the challenges mentioned above.

The Ingres Icebreaker BI Appliance enables organizations to obtain the real value of an investment in BI at a fraction of the cost of traditional approaches. Even better, this real value is obtained without losing out on system and BI functionality, reliability and flexibility.

Why an Appliance?

Just like any appliance used at home, the Ingres Icebreaker BI Appliance delivers the following benefits:

- Easy to install - all the software required is delivered and easily installed
- Easy to use and maintain – very little IT effort required
- Easy to operate – specifically designed for BI

In addition, companies obtain the considerable benefit of no upfront license costs due to the open source software approach of Ingres and JasperSoft. With the traditional proprietary model, customers pay a large upfront license fee on a user-basis and then annual maintenance. In the open source model, customers purchase a low-priced annual subscription price per unit (CPU), meaning an unlimited number of users for every appliance.

Ingres Icebreaker BI Appliance – A Complete Business Intelligence Solution

The Ingres Icebreaker BI Appliance uses the JasperSoft Business Intelligence Suite and the Ingres Icebreaker Database - both market leaders in the open source arena. It delivers all the organization's BI needs—from reporting to analysis to dashboards to complete data integration with existing systems.

With no capital cost, organizations new to BI can add more advanced features as they grow, from basic reporting to OLAP analysis and ad hoc queries.

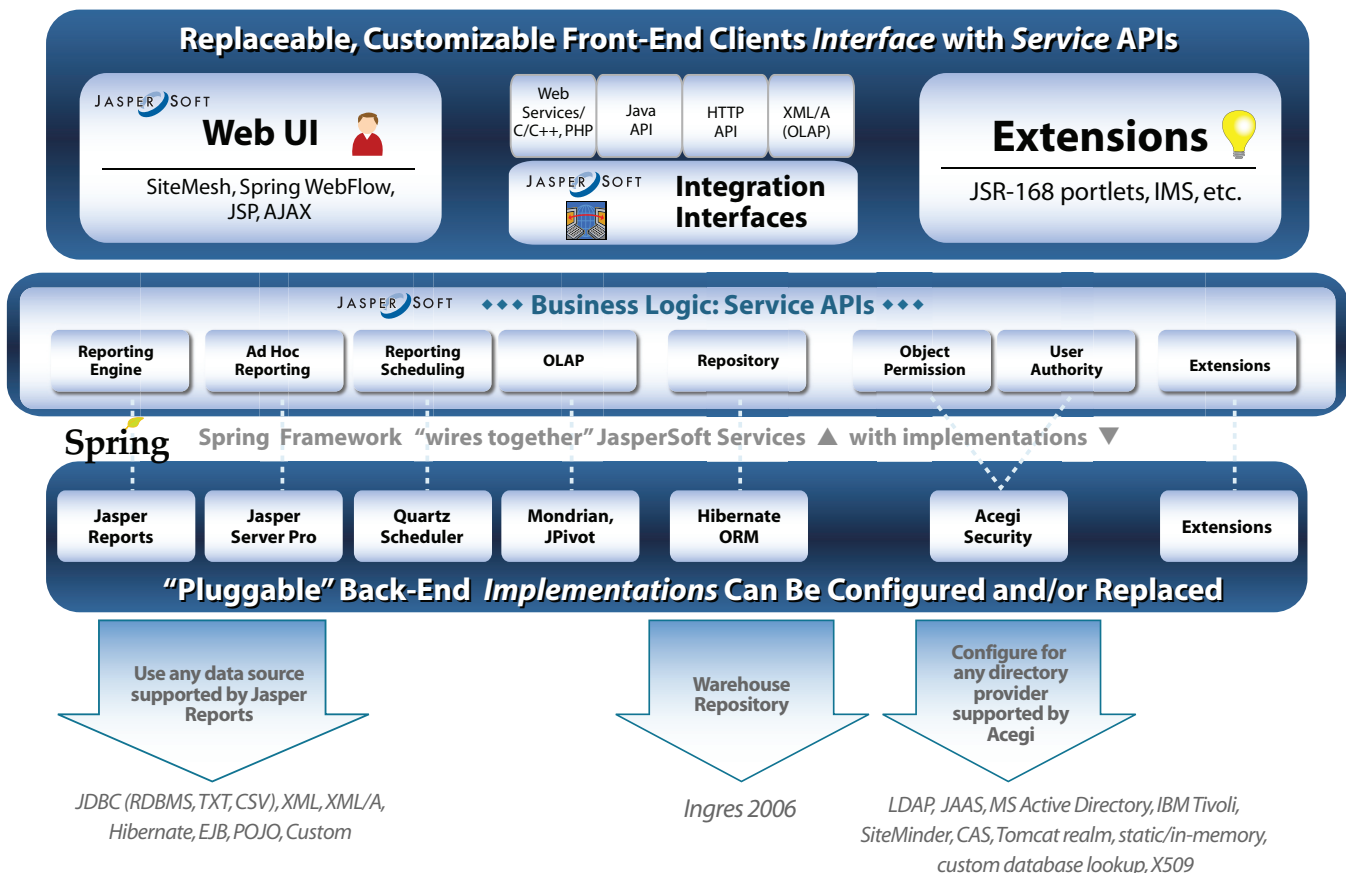## Business Benefits of the Ingres Icebreaker BI Appliance

The Ingres Icebreaker BI Appliance offers the following benefits:

- Effective use of capital budgets:
  - Saves time and manpower - shorter and cost effective BI implementation - less set up, configuration, and integration required
  - Can be run on commodity IT infrastructure either in a virtual machine or standalone X86 machine
- Lower operating costs - less IT time to maintain and manage
- Available to the whole organization - no additional license fees or per user pricing to prevent widespread adoption
- Lower support and maintenance costs - just one call to Ingres for the whole BI appliance. No need to go to multiple vendors

The Ingres Icebreaker BI Appliance Technologies

- **Ingres Icebreaker** - the proven enterprise-class database integrated with a tailored Linux operating system necessary to run on X86 server hardware, eliminating the need for a general-purpose operating system. Ingres Icebreaker is installed with a single installation process, and is maintained with a single, integrated maintenance stream, eliminating the need to apply separate operating system and database software maintenance.
- **JasperServer** - JasperServer includes a secure report management repository, standards-based report definitions, integration interfaces, the Jasper Reports open source Java reporting library, and the iReport graphical report designer.
- **JasperAnalysis (OLAP)** - End-users can drill down and slice & dice their data to explore causes, trends, patterns, anomalies, and correlations using a standard web browser.

JasperSoft and Ingres Architecture

Replaceable, Customizable Front-End Clients *Interface* with *Service* APIs

JASPERSOFT **Web UI**
SiteMesh, Spring WebFlow, JSP, AJAX

Web Services/ C/C++, PHP | Java API | HTTP API | XML/A (OLAP)

JASPERSOFT **Integration Interfaces**

Extensions
JSR-168 portlets, IMS, etc.

JASPERSOFT ◆◆◆ **Business Logic: Service APIs** ◆◆◆

| Reporting Engine | Ad Hoc Reporting | Reporting Scheduling | OLAP | Repository | Object Permission | User Authority | Extensions |

Spring Spring Framework "wires together" JasperSoft Services ▲ with implementations ▼

| Jasper Reports | Jasper Server Pro | Quartz Scheduler | Mondrian, JPivot | Hibernate ORM | Acegi Security | Extensions |

"Pluggable" Back-End *Implementations* Can Be Configured and/or Replaced

Use any data source supported by Jasper Reports

Warehouse Repository

Configure for any directory provider supported by Acegi

JDBC (RDBMS, TXT, CSV), XML, XML/A, Hibernate, EJB, POJO, Custom

Ingres 2006

LDAP, JAAS, MS Active Directory, IBM Tivoli, SiteMinder, CAS, Tomcat realm, static/in-memory, custom database lookup, X509

- **JasperETL,** powered by Talend – A complete and ready-to-run data integration platform for organizations of all sizes, providing high-performance data extract-transform-load (ETL) capabilities. JasperETL is appropriate for all analytic and operational data integration needs, regardless of complexity.

- **Linux Operating System** – Only what is needed to deliver high performance BI.

World-Class Support Services

The reliable operation of its BI systems is crucial for all companies. Management depends on their BI tools to run essential monthly, quarterly, yearly reports for planning or reporting purposes. The need for responsive and competent product support is, therefore, vital, with 24/7/365 availability and global coverage a necessity for major corporations. Ingres' support agents have an average of 10 years experience supporting mission critical applications. Customers can also take advantage of Ingres Service Network, the platform that changes the way software service is delivered. This is a software service product designed to help customers get personalized and proactive service whenever they want, wherever they are.

Summary

The Ingres Icebreaker BI Appliance creates a new model and standard in the way an organization can access and manage data to produce real, valuable information so they can make more informed and effective decisions.

With BI being available to everyone in the organization, from back office support staff to front line decision-makers, the Ingres Icebreaker BI Appliance delivers on the promise of BI for anyone.

The Ingres Icebreaker BI Appliance enables organiza-tions to have easy access to data. By turning data into actionable information, customers can now make better operational and strategic decisions to enhance organizational success without spending closed source solution prices.

About JasperSoft

JasperSoft is the market leader in open source business intelligence (BI). With more than two million downloads worldwide and more than 6,000 commercial customers in 81 countries. JasperSoft offers the most widely used open source BI software in the world. The JasperSoft Business Intelligence Suite is comprised of an interactive reporting server, graphical and ad hoc report design interfaces, an OLAP analysis server, an ETL data integration engine, and a Java reporting library for scalable small and medium size enterprises, and large enterprise department solutions, for use as either stand-alone or embedded into other applications. Learn more at www.jaspersoft.com

About Ingres Corporation

Ingres Corporation is the world's leading provider of business open source services and solutions for companies of all sizes. Ingres' mission is to supply the market with the best services and solutions for information management at a price point that enables customers, both large and small, and partners to reduce their Total Cost of Ownership.

Based in Redwood City, California, Ingres is a young and dynamic company. Ingres was formed as a partnership between Computer Associates and Garnett & Helfrich Capital with a product range that has loyal customer base, many of whom have been using the technology for more than a decade. Ingres is a global company with offices in North America, Europe, and Asia to support its widespread community of users.

The open source model you want...
the enterprise strength you need

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