TIBCO Spotfire Analytics Platform

Benefits

Fastest to Actionable Insight:

Increase agility by providing all employees throughout the organization with unmatched speed and flexibility to anticipate, answer, and act on answers to relevant questions at the speed of thought and on the device of choice.

Visibility into the Unknown:

Uncover trends and patterns hidden in data and develop insights about what may represent business opportunities or threats—through intuitive visualizations, analytic dashboards, and applications. Add mobility for up-to-the-minute insight into the state of your business.

Self-Service Discovery:

Increase productivity by drastically reducing reliance on IT and eliminating time related to data preparation, report building, and spreadsheet version control. Any employee can monitor their key performance indicators (KPIs) remotely, without lengthy deployment cycles.

Universal Adaptability:

Scale analytics on a single, highly-scalable platform to support a broad spectrum of business and technical users across a wide range of use cases and processes to quickly act on data-driven insights. Deploy solutions easily on tablets, smartphones, and desktops.

Spotfire delivers on the need to unify and automate the creation and delivery of analytics in a rich, contextual, and interoperable enterprise framework.

At a Glance:

With TIBCO Spotfire® Analytics, your organization can seize new business opportunities and avoid risks with unmatched speed and flexibility. Using interactive dashboards, visualizations, and predictive and event-driven analytics, you can develop unexpected insights immediately on any device. Spotfire is an enterprise-class analytics platform that helps both business and technical users quickly explore data to develop actionable insights, without requiring IT intervention.

Increase Analysis for Better Decision-Making

TIBCO Spotfire is a solution that integrates analysis throughout the entire decision-making process. Uniquely connecting processes and individuals to events taking place inside and outside the organization, Spotfire allows the right information to be delivered to the right people at the right time. This is what we call the Two-Second Advantage®.

You can spot new opportunities, best manage risks, and swiftly react to unforeseen events. Your insights and agility come through the use of highly-visual, self-service analytics, where professionals managing mission-critical departments and global processes have the ability to immediately and intuitively ask questions and get answers from their data—anticipating what's next, taking quick and educated actions—all from using TIBCO Spotfire.

Challenge: Impediments to Actionable Insight

You are under greater pressure than ever to spot emerging trends and patterns hidden in vast quantities of multi-variant data. But traditional business intelligence reporting and complex statistics tools force users to rely on IT for each new slice of data—a time-consuming process. As a result, opportunities are lost, decisions are based on hunches, and risks increase. Moreover, traditional systems are costly and time-consuming to roll out because a view of the business is hard-baked into their dimensions and hierarchies. With markets and conditions changing rapidly, users resort to spreadsheets, compromising analytic integrity and data governance.

Users empowered with Spotfire, whether on the desktop or a mobile device, have the ability to explore data in a dimension-free, easy-to-use application that can accommodate the data governance, scalability, and security concerns of the enterprise. They can develop insights, mashup new data sources to see root causes, and use the power of advanced visualization techniques to make their organizations fastest to insight and fastest to act.

Solution: TIBCO Spotfire

Fastest to Actionable Insight

TIBCO Spotfire Analytics empowers users to freely explore their data wherever they are and instantly visualize, mashup, interact with, and share data at any level of detail, without relying on IT to constantly supply new datasets. Spotfire helps users answer pressing questions, uncover answers to questions they didn't know they had, and even anticipate what happens next. By using Spotfire, enterprises can make the most of emerging trends and take preemptive action—before anyone else—to achieve a competitive advantage.

Dimension-Free Data Exploration Drives Fast, Actionable Insights

Spotfire's easy-to-use visualizations enable users to quickly uncover answers to their initial questions, while revealing unexpected trends, patterns, and outliers that are hidden in data. Spotfire supports dimension-free data exploration to enable users to interactively visualize data without constraints, so they can quickly develop actionable insights. In addition, Spotfire uniquely enables users to create rich, multi-level map-based analytics to better understand geographic correlations in data.

Data Mashup Leads to 360-Degree Analysis

To get a complete picture of external and internal environments, Spotfire makes deep data exploration easy, empowering users to quickly combine disparate data sources, without custom scripting or requiring IT intervention. With Spotfire, users from across the enterprise can easily access data from analytical and relational databases, OLAP cubes, flat files, and enterprise applications, and integrate them into a comprehensive analysis of the entire dataset. Spotfire's unique data on demand capability, and the ability to mashup database sources with in-memory sources, enables users to interactively swap massive datasets quickly and easily so they can develop insights masked by data silos or aggregations.

Predictive and Event-Driven Analytics

Spotfire helps you anticipate opportunities and risks by seamlessly integrating predictive models and real-time event streams to deliver the Two-Second Advantage®. It offers the best of both worlds: supplying powerful predictive analytics for the business user, and a broad array of cutting-edge statistical analysis tools for statisticians and quantitative analysts to rapidly prototype, develop, and deploy new analytic applications.

Contextual Collaboration

Spotfire's capabilities easily support a collaborative decision-making process—from spontaneous and freeform brainstorming, all the way to formalized decision workflow. With Spotfire, you can capture and securely socialize moments of insight, ideas, and hypotheses with peers, advisers, and customers. These rich discussions can be captured through collaborative bookmarks, commentaries added to KPIs on a smartphone or tablet, guided analytic apps, corporate portals, and social platforms, to provide visually compelling context to accelerate the decision making process.

> "Analytics is giving us a clear competitive edge. We use TIBCO Spotfire interactive visualizations to determine the best country-category combinations that will drive incremental sales revenue."
>
> — Procter & Gamble Company

Enterprise-Class Capabilities to Fit into the Most Demanding Environment

TIBCO Spotfire is the leading enterprise-class analytics and data discovery platform, providing unmatched performance, scalability, and security. Its differentiating hybrid in-memory/in-database analytics architecture supports the most demanding enterprise needs, easily scaling to thousands of users and limitless rows of data. Spotfire is deployed in the world's largest companies in energy, financial services, manufacturing, consumer packaged goods, and life sciences industries. It works within existing IT systems and security models, and is backed by TIBCO's global domain expertise and 24×7 customer service.

Business Optimization

Spotfire meets the analytic needs of users across the enterprise—with data discovery and ad-hoc analysis, interactive reporting and dashboards, domain-specific applications, event-driven real-time analysis, and powerful predictive analytics. All these capabilities are delivered from a single product architecture. TIBCO Spotfire is also a key component of TIBCO's big data strategy. It is designed to leverage the full family of TIBCO business optimization and big data solutions, including:

- TIBCO StreamBase® and TIBCO BusinessEvents® event processing engines
- TIBCO LogLogic® log management solutions
- TIBCO Silver® Fabric platform as a service
- TIBCO Silver® Mobile mobile development platform
- tibbr® enterprise social network
- TIBCO ActiveSpaces® in-memory computing grid

TIBCO Spotfire Analyst

Spotfire Analyst makes comprehensive analytics fast and easy for a variety of users, allowing them to:

- Gain instant actionable insights by performing compelling ad-hoc analyses
- Enjoy the power of self-service discovery, by accessing multiple back-end and local data sources without requiring assistance from IT
- Provide visibility into the unknown by instantly publishing analytic applications and reports to colleagues, partners, or customers using TIBCO Spotfire Consumer or TIBCO Spotfire Business Author
- Build KPIs and metrics for mobile users
- Perform R scripting

TIBCO Spotfire Business Author

A powerful browser-based client that business users need to create and configure common business visualizations, add new data, and save and share analysis and visualizations with others. TIBCO Spotfire Business Author offers a real alternative to "spreadsheet hell," with analytical results being completed more swiftly within the enterprise data governance framework, and in a format more easily shared and understood by fellow workers. TIBCO Spotfire Business Author lets you:

- View and interact with Spotfire apps in a web browser
- Create, share, and modify business visualizations whether on a desktop or a tablet
- Include custom calculations for greater insight
- Add new data sources to extend analysis and share results with peers

TIBCO Spotfire Consumer

The TIBCO Spotfire Consumer browser-based web interface provides enterprise-class scalability and universal adaptability for geographically dispersed colleagues, customers, and business partners. The interface:

- Enables thousands of users across the enterprise to enjoy the benefits of "one-click publishing," because content and insights can be broadly shared
- Harnesses the power of Spotfire's contextual collaboration capabilities so insights can be presented and shared across all types of users
- Lets you view and navigate configured analysis workflows, with no software or plug-ins installed
- Supports answering new questions with remarkable interactivity and visual clarity, way beyond today's static reports
- Embeds analyses in social platforms, a corporate portal, and Microsoft SharePoint, and quickly integrates with other web applications to create data mashups

TIBCO Spotfire Statistical Services

Spotfire's Statistical Services give decision makers greater ability to anticipate and solve business challenges earlier in the decision cycle by applying advanced statistical models without requiring those executives to understand the underlying complexities of statistics. With advanced insight powered by Spotfire's Statistical Services, decision makers are better prepared to seize opportunities and avoid risks. Users can:

- Quantify and minimize the uncertainty associated with making decisions
- Leverage TIBCO Enterprise Runtime for R, (TERR), TIBCO's enterprise-quality, high performance platform for the R language
- Execute TERR, R, S+, SAS, and MATLAB-based statistical models
- Centrally manage and deploy statistical models and predictive analytics to mainstream users

TIBCO™

TIBCO Spotfire Data Connectivity

Deliver the power of data mashups by connecting to a myriad of data sources and transactional systems, without heavy IT involvement.

TIBCO Spotfire Analyst: In-Database Data Sources

- Cloudera Hive CDH4, CDH5
- Cloudera Impala CDH4, CDH5
- Composite Information Server (ADS) 6.1, 6.2
- Hortonworks Data Platform 1.3, 2.0
- HP Vertica 6.1
- IBM Netezza 6.1, 7.0
- Microsoft Analysis Services 2008, 2012
- Microsoft SQL Server 2005, 2008 R2, 2012
- MySQL 5.1, 5.5, 5.6
- Oracle and Oracle Exadata (Oracle 11gR1 and R2)
- Oracle Hyperion Essbase 9.3, 11.1
- Pivotal Greenplum 4.1, 4.2, 4.3
- Pivotal HAWQ
- PostgreSQL 8.4, 9.0, 9.1, 9.2
- SAP HANA SPS6
- SAP NetWeaver Business Warehouse 7.0.1
- Teradata Aster 5.0, 5.11
- Teradata 12.10, 13.00, 13.10, 14.00, 14.10

Information Services Data Sources

Information Services support in-memory analytics of data from any RDBMS data source providing a JDBC driver. For further information please see http://support.spotfire.com/sr_spotfireserver60.asp

TIBCO Spotfire Analyst: File Data Sources

- Microsoft Excel Workbooks (.xls, .xlsx, .xlsm)
- Comma-Separated Values (.csv)
- Text (.txt)
- Microsoft Access Databases (.mdb, .mde)
- SAS Data Files (.sas7bdat, .sd2)
- Universal Data Link (.udl)
- Sfs-File (.sfs)
- ESRI Shape Files (.shp)
- Spotfire Formats

TIBCO Spotfire Application Data Services: PerformancePlus Application Adapters

- Oracle E-Business Suite 11.5.8, 11.5.10
- Salesforce.com
- SAP BW 3.5, 7.0
- SAP ERP 4.7, 5.0, 6.0
- Siebel eBusiness Applications 7.7, 7.8, 8.0

TIBCO Spotfire Application Data Services: PerformancePlus Core Adapters

- Cloudera CDH4
- Cloudera Impala 0.6
- Greenplum 3.3, 4.1
- Hadoop/Hive 0.8.1, 0.9.0
- IBM DB2 LUW 8, 9, 9.5
- Informix 9.4
- MS Access
- MS Excel
- MS SQL Server 2000, 2005, 2008, 2012
- MySQL 4.1, 5.0, 5.1, 5.5
- Netezza NPS 5.0, 6.0
- Oracle 9i, 10g, 11g, 11g Type 2, RAC
- PostgreSQL 9.0, 9.1
- Sybase 12.5, 15, 15.5
- Sybase IQ 15
- Teradata 12, 13, 13.10
- Vertica 5.0

TIBCO Spotfire Application Data Services: Enterprise Service Buses

- TIBCO ActiveMatrix
- Sonic 7.5

TIBCO Software Inc. (NASDAQ: TIBX) is a global leader in infrastructure and business intelligence software. Whether it's optimizing inventory, cross-selling products, or averting crisis before it happens, TIBCO uniquely delivers the *Two-Second Advantage®*— the ability to capture the right information at the right time and act on it preemptively for a competitive advantage. With a broad mix of innovative products and services, customers around the world trust TIBCO as their strategic technology partner. Learn more about TIBCO at www.tibco.com.

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