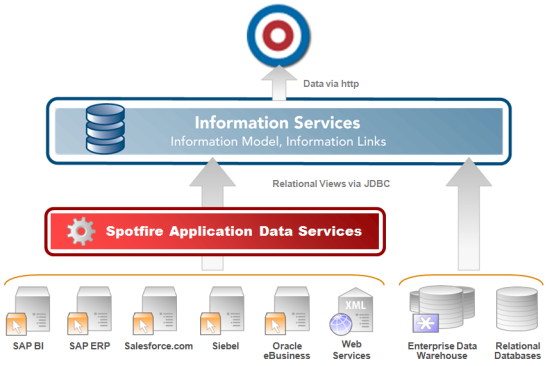
TIBCO Spotfire for SAP BW

Spotfire®

Technical Overview

Enterprises using SAP Business Information Warehouse (BW) as the primary source of data for analysis and reporting are beginning to realize the importance of current and detailed data for making key business decisions. Data from SAP BW provides historical information for long-term analysis. However, for day-to-day business decisions, you must use a combination of SAP BW data and the most up-to date detailed data from mySAP and other operational systems, such as Siebel or Oracle E-Business Suite. Combining data from SAP BW and all your operational systems provide a comprehensive, 360-degree view of your business.

TIBCO Spotfire® Application Data Services for SAP BW allows more users to easily access analyze and report on SAP BW data. SAP BW data can be combined with data from other sources to enable you to rapidly perform analysis and build operational reports with great flexibility. Using TIBCO Spotfire® Application Data Services layer, content is delivered as pre-built, reusable data services with vendor approved BAPIs using SQL, directly to Spotfire® software, eliminating weeks or even months of coding.



TIBCO Spotfire Application Data Services
for SAP BW offers the following technical advantages:

- No MDX - Access BW with SQL-92 syntax. Multi-dimensional concepts such as Slicers and Hierarchical Ordering are fully supported.
- InfoAreas and InfoObjects - Access BW InfoProviders, Query Cubes, and Hierarchies.
- Non-invasive Access - No transports to install, no reconfiguration to your BW.
- Data Integrity - Enforce user authentication and visibility rules as defined in your BW. All access points are SAP-sanctioned APIs.

TECHNICAL FEATURES

TIBCO Spotfire Application Data Services

- Eliminates the need to pre-build a data warehouse or mart for SAP systems
- Offloads queries against mission critical transaction systems to "just in time" caching layer
- Introspects data models from packaged, API-based applications and delivers it as standards-based SQL to Spotfire Information Services
- Accelerates data modeling with a pre-built set of the most common data views for each application
- Transforms the data into the form required by Spotfire® software with a complete set of powerful and flexible tools
- Speeds up data access from slow data sources by taking advantage of the optional caching layer

USES

Spotfire Application Data Services for SAP BW has immediate impact on a wide range of projects:

- Operational Business Intelligence- Use Spotfire Application Data Services for SAP BW to power business intelligence, analytics, portal and dashboard initiatives. On-demand information from Oracle EBS enables better management visibility and day-today business decisions.
- Single-View Projects – On-demand aggregation of operational and historical data about a given business object, such as customer, across SAP BW, mySAP, and other data sources to improve business visibility.
- Data Virtualization – View warehouse data outside of SAP BW, allowing you to see SAP BW data in conjunction with other enterprise data sources, abstracting the location and complexity of existing data. This allows for simple ad-hoc queries as well as development of more sophisticated applications requiring data from multiple sources.

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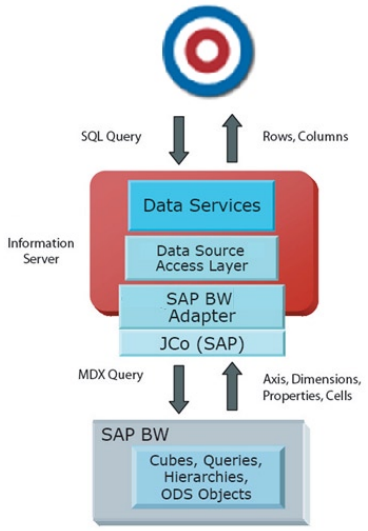
The Power of Now®

ATTRIBUTES & CAPABILITIES

- Combine Real-time Data - Easily create views that combine historical data from BW with operational data from R/3 or numerous other enterprise systems.
- Time-Dependent Queries - View historical snapshots of your data from any point in time.
- Flexible Queries - Leverage execution options such as leafNodes, all- Nodes, orderBreaksHierarchy, keyDate, includeEmptyRows, includeEmptyColumns to extract the exact data you want from BW.



The architecture allows you to query and combine common data structures used by SAP BW. The complexities of the BW API are resolved at run-time by the ADS BW adapter, allowing you to transparently access both the data and the metadata in a relational format, using SQL rather than MDX or custom ABAP code. At runtime, multidimensional queries are auto-generated, optimized, and passed down to BW. Composite then dynamically flattens the result set from BW into data service views, readily consumable as ODBC/JDBC or Web Services.

TECHNICAL ATTRIBUTES

- SAP-approved access method (OLAP BAPI)
- Access InfoProviders directly or via Queries
- Metadata hierarchy familiar to BeX Query Analyzer users
- Many MDX language features supported via SQL
- Attributes
- Non-default hierarchies
- FILTER, EXCEPT, by Member Key/Text, Attribute
- WHERE
- ORDER
- Query variables
- Intervals
- Escape pattern for custom MDX statements
- Join against other cubes, relational data sources
- Security
- Pass-through authentication
- Protect cubes and InfoAreas using SAP Authorization Objects

SPECIFICATIONS

Application Sources
- SAP BW 3.5

Other Data Services:
- mySAP 4.6, 4.7, 5.0
- Salesforce.com
- Siebel eBusiness Aplications 7.x
- Oracle E-Business Suite 11.5.8 ,11.5.9, 11.5.10

Access Interfaces
- SOAP 1.1, JDBC 2.0, ODBC 2.x

Standards
- JDK 1.4, J2EE 1.3, JAAS, JNDI
- WSDL 1.1, SOAP 1.1, XSLT 1.0, XML Schema 1.0, SAX and DOM
- SQL 99
- Unicode support

Platforms
- Server
- Microsoft Windows 2000, 2003, XP
- SUN OS 5.8 / Solaris 8 or higher
- LINUX RedHat Enterprise Release 3
- IBM AIX 5.2, 5200-04
- HP-UX 11.11, B.11.11.0412.5 Gold Base11i
- Client
- Windows 2000 and XP

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