JBoss® by Red Hat

DATASHEET

JBOSS ENTERPRISE DATA SERVICES PLATFORM

Turning the data you have into the information you need

BENEFITS

More efficient and broader utilization of enterprise data

Better control of information

Greater agility, faster time to solution

Improved organizational performance

Increased Return on Assets (ROA)

FEATURES

Provides standards-based read/write access to heterogeneous data stores in real time

Speeds application development by simplifying access to distributed data

Transforms data structure and semantics through data virtualization

Consolidates data into a "single view" without the need for more data

Provides centralized access control, auditing through robust security infrastructure

THE RIGHT DATA AT THE RIGHT TIME TO THE RIGHT PEOPLE, PROCESSES AND APPLICATIONS

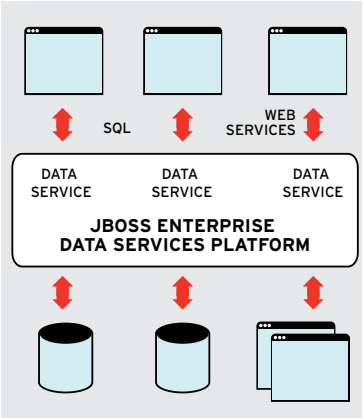
In today's complex business environment, most organizations have many stores of information assets in disparate locations. While tremendously valuable, implementing new applications that leverage this information can be time-consuming and costly. The solution? Data virtualization and data services.

Data virtualization enables you to bring together and integrate data from multiple, disparate, and even distributed sources and make the data appear as if it is available in one single source. Data services enable you to deliver that information to different consumers in the forms that they require.

BRIDGE THE GAP – WITH DATA SERVICES

Red Hat's JBoss Enterprise Data Services Platform enables you to produce reusable data views with the structure and terminology you want, even when the actual sources of data do not conform to that structure or terminology. Data services are key components of a flexible architecture that provide the information needed by consumers in the forms that they need, while hiding data source details and managing exchange with data stores behind the scenes. Creating data services enables developers to bridge semantic gaps more efficiently and create reusable modules that isolate the impact of changes in data structures.

JBoss Enterprise Data Services Platform is a powerful set of tools and runtime components that enable your applications and business processes to easily integrate and use data from many data sources, enabling you to "turn the data you have into the information you need." JBoss Enterprise Data Services Platform includes tools for creating data views that are accessible through standard protocols, a repository for storing metadata and a server runtime environment that provides enterprise-class performance, data integrity, and security. By simultaneously accessing multiple sources of data (e.g., databases, files, applications, services) and presenting the data in unified views, JBoss Enterprise Data Services Platform insulates applications from the underlying data source details. Data is accessed in real-time, without the



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PROOF POINTS

"With JBoss Enterprise Data Services, we were able to create a virtual database without the need to move any data. We are now able to build business-focused applications using a single database connection. JBoss Enterprise Data Services can connect to a wide range of data sources, from standard relational databases to non-structured documents, and it can utilise web services, which has allowed us to reuse existing components."

Francois Mounier, Integration and Development Manager, Corporate ICT, Camden Council

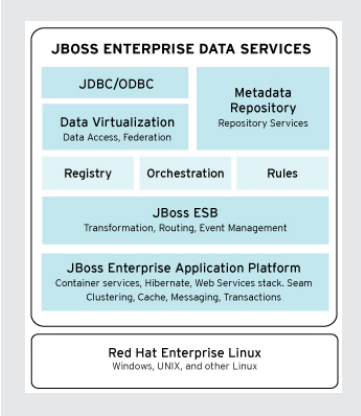
"By using a number of the components of JBoss Enterprise Middleware (BRMS and Data Services) for authoring, organizing, prioritizing, and simulating rules between the transactional systems and operational and historical data sources, ANSES was able to empower its business users and institutionalize organizational knowledge to ensure consistent enforcement of laws and rules."

ANSES (Administración Nacional de la Seguridad Social) - Argentina's Social Secuirty

need to copy or move it to a new location. Data may be accessed through JDBC, ODBC, or may be published as web services - accessible directly as well as through services on the ESB. Maximizing the ROA is key for operational and competitive advantage. JBoss Enterprise Data Services helps customers rapidly and effectively leverage their data assets.

JBOSS ENTERPRISE DATA SERVICES PLATFORM

JBoss Enterprise Data Services Platform is a superset of JBoss Enterprise SOA Platform and includes a full-use version of JBoss Enterprise SOA Platform with its enterprise service bus (ESB), registry, orchestration, and business rules capabilities. The ESB enables data services to be integrated into applications and business processes, driving better business execution and return on investment (ROI) in data assets.



WHAT'S NEW IN JBOSS ENTERPRISE DATA SERVICES PLATFORM 5.3

- Support for Greenplum as a data source
- Support for PostgreSQL 9 as a data source
- Support for Red Hat Directory Server 9 as a data source
- Tooling enhancements:
  - New cheatsheets for common tasks
  - New wizards for modeling XML files and Web Services as data sources
- Tech Preview: Apache Hive as a data source enabling big data virtualization and integration

JBOSS OPERATIONS NETWORK: MANAGEMENT FOR JBOSS MIDDLEWARE

JBoss Operations Network is a single, integrated management platform that delivers centralized systems management and simplifies development, testing, deployment, and monitoring for JBoss Enterprise Middleware. From the JBoss Operation Network console, you can drill into the health of your applications and services, identify performance bottlenecks, and set threshold and workflow alerts to proactively manage issues before they impact production users.

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