

EXECUTIVE BRIEF

## TURN DATA INTO ACTIONABLE INFORMATION

Integrate and virtualize data with Red Hat JBoss Data Virtualization



*“As a telecommunications carrier, it is crucial to be able to utilize a wide variety of data effectively to improve our quality of service and design new applications. We’re excited about Red Hat JBoss Data Virtualization and expect to enhance the way for big data analytics in cooperation with Hadoop and NoSQL to increase productivity, and believe it will help accelerate our R&D activities and business.”*

KEIZO SUGIYAMA  
EXECUTIVE DIRECTOR  
GREEN CLOUD DIVISION,  
KDDI R&D LABORATORIES, INC.



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### KNOWLEDGE IS POWER

Making the right business decisions requires the capability to access the right information at the right time. Companies that can tap into the massive, growing volumes of data available to them can expect to make better informed decisions. Modernizing application infrastructure can help IT departments to federate data so that it can be analyzed quickly for business success.

### TURN DATA INTO INFORMATION

Middleware plays an important role in building an IT application infrastructure that delivers timely access to business-critical data. With Red Hat® JBoss® Middleware, you can eliminate expensive and hard-to-manage middleware solutions and create application infrastructure that is truly dynamic across multiple environments. Your business can efficiently integrate core business applications and enterprise data, accelerate access to business intelligence, and improve information quality and compliance while saving time and money.

### INTEGRATE AND VIRTUALIZE DATA

IT departments realize that providing a holistic view of data assets to applications and users is essential to business success. Unfortunately, the physical consolidation of data stores is impractical, and embedding data access mechanisms for multiple data streams into applications is a time-consuming task that creates management headaches. With Red Hat JBoss Data Virtualization, your business can integrate and virtualize data. This technique makes multiple, disparate, and even distributed data sources look like a single data source to users and applications. By insulating applications from underlying data sources, users can more easily consume information and use it to generate business value.

### ACCELERATE ACCESS TO BUSINESS INTELLIGENCE

In today’s hyper-competitive business climate, it is important to get the most value you can from your data. Without the capability to unlock information and make it easily available for analysis, it can be difficult to get ahead. By simplifying and accelerating access, JBoss Data Virtualization can help your business intelligence (BI) tools integrate, mine, and analyze the massive amount of data you have stored in data warehouses and data marts and turn it into actionable information.

You can even reuse this data in new applications and business processes to accelerate response and maximize return on assets (ROA). For example, reusable modules and an integrated data services layer eliminate the need to rewrite the data integration logic for each new project and business application. With these capabilities, developers can bridge semantic gaps more efficiently, resulting in faster, more efficient deployment of data services to new applications and channels for increased flexibility, agility, and competitiveness.

### DELIVER THE RIGHT INFORMATION THE RIGHT WAY

Using data virtualization across numerous data sources drastically simplifies data access for both applications and users. You can use JBoss Data Virtualization to create a common view and deliver a mixture of data to a variety of consumers in the form they want through the tools they use. With access to all available data, including files, enterprise applications, cloud stores, spreadsheets, and databases, more complete analyses are possible, increasing the business value and utility of data.

## IMPROVE VISIBILITY INTO OPERATIONS

If your business is like most, a lack of visibility could be hindering your operational efficiency. You can use JBoss Data Virtualization to gain insight into how your business is operating. For example, business architects can create fully automated dashboards and warning systems, generate targeted reports, and interface directly with supply chain systems. All management levels can be informed as exceptions occur in order to handle issues before they escalate, fostering application, system, and business continuity. With greater visibility and insight into operations, your IT staff, line-of-business (LoB) managers, and executives can make smarter business decisions.

## IMPROVE DATA COMPLIANCE AND SECURITY

With data at the center of business success, it is no wonder that so many companies focus on keeping data safe. The capability to integrate and virtualize data with JBoss Data Virtualization can help you reduce security and non-compliance risks. For example, a unified view of all data assets allows you to easily share information within the enterprise and with partners and regulatory agencies. This visibility into and centralized control of data assets increases data governance effectiveness and mitigates the risks associated with maintaining multiple and disparate data stores. As a result, your IT staff can identify potential issues faster, support governance initiatives, and reduce the risk of expensive non-compliance events.

## SAVE WITH AN OPEN SOLUTION

With robust and highly reliable, open, enterprise-grade technologies, your business can achieve new levels of competitiveness without breaking IT budgets. JBoss Data Virtualization allows your IT staff to build solutions on the same core functionality for application infrastructure as leading proprietary solutions, with less complexity and at less cost to acquire, use, and maintain. Plus, Red Hat's subscription model lets you scale solutions without concern for price per CPU or unexpected costs.

## CONCLUSION

Successful companies realize that fast and accurate access to data is essential for meaningful analysis and optimal business benefit. With Red Hat JBoss Data Virtualization, you can eliminate fragmentation that can hold your company back. By integrating and virtualizing data with an open solution, your IT department can simplify data access, improve data quality and compliance, and deliver the information and responsiveness your business needs to make better business decisions. More information on JBoss Data Virtualization and how to integrate your business can be found at: [redhat.com/en/technologies/jboss-middleware/data-virtualization](http://redhat.com/en/technologies/jboss-middleware/data-virtualization).

## ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.

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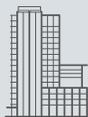
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*"We were able to create a virtual database without the need to move any data. We are now able to build business-focused applications using a single database connection."*

FRANCIS MOUNIER  
INTEGRATION AND DEVELOPMENT  
MANAGER, CORPORATE ICT,  
CAMDEN COUNCIL



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