Red Hat Brings Big Data Integration to JBoss Middleware Portfolio

Product News

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Red Hat has announced new product enhancements designed to help enterprises get even more out of their big data solutions to make better and faster business decisions. Red Hat JBoss Data Virtualization 6.1 and Red Hat JBoss Data Grid 6.4, both available today, address specific challenges related to integrating big data environments for faster and more accurate application data feeds.

Red Hat offers a strong portfolio of technologies that help organizations turn massive amounts of data into actionable business opportunities. These technologies are designed to make data more manageable, accessible, and consistent for business-level analysis, and offer flexibility and performance at the application level.

Big data integration is a challenge commonly faced by modern enterprises. Today, data is spread throughout the organization across a growing number of applications and sources. At the same time, demands for integrated views of the data are on the rise as new technologies such as mobile join the ranks of traditional enterprise applications and business intelligence tools.

JBoss Data Virtualization is a data integration and services solution designed to unify multiple data sources to provide the right data, in the right form, at the right time, to applications and users. Building on its ability to integrate popular data sources such as Hadoop with relational and other data types, JBoss Data Virtualization 6.1 expands support of JBoss Data Grid as a data source with the ability to perform writes in addition to reads as well as provide an embedded cache in addition to the remote cache capability previously available. The update also expands the range of integrated and supported data services to include Cloudera Impala, Apache Solr, and MariaDB, and introduces various enhancements to development and deployment productivity capabilities.

JBoss Data Grid, Red Hat’s high-performance in-memory data store, is now fully supported with the bi-directional read/write integration in the JBoss Data Virtualization 6.1 release. The enhancements allow the integration service to take advantage of library mode in JBoss Data Grid, enabling use either as an embedded cache or as a remote cache to bring real-time data closer for high performance, real-time data integration.

This integration enables organizations to build dynamic solutions for real-time next-best-action. Example use cases for this include location-based services for telecommunications providers, real-time marketing for e-commerce applications, social media analysis for emergency or security services, and more responsive monitoring for utilities providers.

JBoss Data Grid 6.4 also features a new integration with Red Hat JBoss Fuse, giving users distributed and elastic scale and mitigating the business risks associated with forcing these services to match the slow speed of the traditional database. In addition, this release introduces a key enhancement to detect changes to cluster entries, automatically self-heal after a replicated data

center comes back online, and maintain consistency during network partitions.