

Red Hat JBoss Middleware Gains Traction in Global Transportation Industries

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Organizations turn to Red Hat to improve efficiency, scalability, and reliability of critical customer-facing systems

RALEIGH, N.C.--(BUSINESS WIRE)-- Red Hat, Inc. (NYSE: RHT), the world's leading provider of open source solutions, today highlighted customer success stories in the transportation and logistics industries for its Red Hat JBoss Middleware portfolio. Modern transportation service providers are under increasing pressure to achieve greater efficiencies throughout their businesses and consistently deliver superior customer experiences. Seeking to take advantage of the flexibility, scalability and reliability of modern middleware, Herzog Technologies, Flybe, and Nación Servicios, chose Red Hat for its ability to meet these needs in a cost-effective and sustainable manner.

Red Hat JBoss Middleware is a full portfolio of open source enterprise-grade solutions for creating, integrating, deploying and managing applications across the full spectrum of today's infrastructures, whether on premise or in public, private or hybrid clouds.

Herzog Technologies, Inc.

Herzog Technologies, Inc. (HTI) provides innovative technology-based solutions to the railroad Signal and Communications industry. Key areas of expertise provided by HTI include Positive Train Control (PTC) systems integration and Interoperable Train Control Messaging (ITCM) - two technologies that are vital to the smooth and safe operation of North America's railroad transit system. HTI is on the leading-edge of implementing PTC and ITCM, and is currently implementing PTC for a client in San Diego County California—a project HTI expects to complete in advance of the December, 15, 2015 deadline mandated in the Rail Safety Improvement Act. The HTI solution relies on Red Hat's standards-based messaging product, Red Hat JBoss A-MQ, as well as embedded and standard Red Hat Enterprise Linux for PTC integration. HTI used Red Hat Consulting to help integrate the ITCM solution.

Flybe

As Europe's largest regional airline, Flybe is recognized for its long-standing commitment to excellent service. Flybe offers affordable transportation to 65 airports throughout Europe and carries nearly 10 million passengers annually. Flybe was no stranger to the benefits of open source technology, having been a longtime user of community-supported projects; however, as the business grew, so did its need for commercially-supported, enterprise-grade open source software. Flybe migrated to [Red Hat JBoss Enterprise Application Platform \(EAP\)](#), a platform for building and deploying applications, and Red Hat Enterprise Linux to provide the levels of performance, resilience and security that it required to not only maintain, but improve, its customer experience.

Nación Servicios

Nación Servicios is a technology member of Argentina's state-owned national bank and is responsible for administering and managing the country's Sistema Único de Boleto Electrónico (SUBE), a contact-less smart card system that handles the sales and implementation of all public transportation tickets in the greater Buenos Aires metropolitan area. The SUBE project was initially implemented using community-supported technologies and later migrated to Red Hat JBoss Middleware, including Red Hat JBoss EAP and [Red Hat JBoss Web Server](#), a web server designed to help enterprises manage, administer and secure web environments of any size, to address the need for greater scale, reliability and support as the project gained popularity. Additionally, Red Hat Enterprise Linux was brought in as the main operating system. Today, SUBE is the most far-reaching public transportation payment system in the Argentine Republic and the third-largest system worldwide, used by 11 million travelers. The success of the program relies on the seamlessness of the system and its ability to respond to changes in the business and market—such as peak travel periods—promptly and reliably. Achieving this required flexible, interoperable and scalable technology.

Supporting Quotes:

Mike Piech, general manager, Middleware, Red Hat

"Transportation and logistics are two of the most customer-centric industries today. Service levels are of the utmost importance for delivering optimal customer experiences and maintaining a competitive edge, and these organizations require a unique set of attributes for the systems they run. For example, elastic scalability is necessary for meeting rapidly-changing demands; flexibility helps support future growth and expansion; and above all, they need technology that is reliable and well-supported. As these customers have shown, Red Hat JBoss Middleware is well-suited to cost-effectively meet these needs."

Jim Hanlon, vice president, PTC systems, Herzog Technologies, Inc.

"The North American railroad industry is the midst of a massive shift toward greater interoperability and communication between train management systems that will ultimately improve rail safety. PTC and ITCM are key components of these systems, and we have worked quickly to help railroads like North County get ahead of the federal deadline and help ensure that passengers, employees, and the communities surrounding the railways are safer. Red Hat has been instrumental in providing the technology and expertise we needed to accomplish this."

Matthew Linsey, head of strategy and architecture, Flybe

"We originally made the decision to go the open source route, using community-supported products. The costs were low, and some great

innovations were coming out of the communities; however, as our business and the frameworks we were using grew in size and complexity, we recognized a need for the assurance of Red Hat's enterprise-grade technology and support. Not only did our migration to Red Hat JBoss Middleware meet our immediate needs, we now have a strategic platform for the next five years—one that will grow and mature with our business."

Lautaro Gonzalez, chief information officer, Nación Servicios S.A.

"The SUBE card system is a high-visibility, high-volume system and required technology that was not only able to keep pace with the existing demands, but capable of supporting future growth. The high availability of Red Hat's integrated solutions has allowed us to maintain the growth of the SUBE project and thus far avoid service outages."

Additional Resources:

Learn more about [Herzog Technologies, Inc.](#)

Read the full [Flybe case study](#)

Read the full [Nación Servicios case study](#)

Learn more about [Red Hat JBoss Middleware](#)

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Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to reliable and high-performing cloud, Linux, middleware, storage and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As the connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT. Learn more at <http://www.redhat.com>.

Forward-Looking Statements

Certain statements contained in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements provide current expectations of future events based on certain assumptions and include any statement that does not directly relate to any historical or current fact. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: risks related to delays or reductions in information technology spending; the effects of industry consolidation; the ability of the Company to compete effectively; the integration of acquisitions and the ability to market successfully acquired technologies and products; uncertainty and adverse results in litigation and related settlements; the inability to adequately protect Company intellectual property and the potential for infringement or breach of license claims of or relating to third party intellectual property; the ability to deliver and stimulate demand for new products and technological innovations on a timely basis; risks related to data and information security vulnerabilities; ineffective management of, and control over, the Company's growth and international operations; fluctuations in exchange rates; and changes in and a dependence on key personnel, as well as other factors contained in our most recent Quarterly Report on Form 10-Q (copies of which may be accessed through the Securities and Exchange Commission's website at <http://www.sec.gov>), including those found therein under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations". In addition to these factors, actual future performance, outcomes, and results may differ materially because of more general factors including (without limitation) general industry and market conditions and growth rates, economic and political conditions, governmental and public policy changes and the impact of natural disasters such as earthquakes and floods. The forward-looking statements included in this press release represent the Company's views as of the date of this press release and these views could change. However, while the Company may elect to update these forward-looking statements at some point in the future, the Company specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this press release.

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