IMPROVE MAINFRAME CONNECTIVITY TO SPEED APPLICATION DEVELOPMENT

SOLUTION BRIEF

> "*It is essential for institutions operating in the capital markets to accelerate efforts to simplify and standardize their operational and technological infrastructure. The job will be long-term and complex—but the need to pick up the pace is absolutely necessary.*"
>
> BRIAN STEPHENS
> NATIONAL SECTOR LEADER,
> BANKING AND CAPITAL
> MARKETS PRACTICE,
> KPMG LLP

INNOVATE FASTER WITH INCREASED MAINFRAME CONNECTIVITY

To maintain a competitive advantage in the fast-paced financial services market, you need to take new approaches to all parts of your business—including IT. Most financial services organizations rely on mainframes for their core business applications. These complex, legacy systems make it difficult to adapt and innovate. Developing new applications and projects can take years to complete, limiting agility and increasing the risk of late delivery. By the time these projects are complete, your organization's needs may have changed.

What if your organization could access your mainframe data, applications, and processes faster and more easily? You could:

- Bring new applications and products to market more rapidly.

- Better manage risks for greater returns on investment (ROI).

- Gain greater insight into your customers and business.

- Align applications, data, and infrastructure with business needs and adapt to change faster.

Red Hat and GT Software deliver an innovative middleware and mainframe connectivity solution that simplifies access to your mainframe to let you develop applications more quickly. Based on Red Hat® JBoss® Middleware and GT Software Ivory® Suite, this solution connects new and existing data and applications to modernize your environment and allow your mainframe to be part of your service-oriented architecture (SOA). With support for the latest development techniques, the Red Hat and GT Software solution helps you innovate faster, in a smarter way.
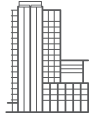
SPEED TIME TO MARKET AND ADAPT TO CHANGE FASTER

Through rapid, agile development, the Red Hat and GT Software solution simplifies the application production process for faster iterations and shorter time to market. An intuitive interface with drag-and-drop construction lets you easily create new applications without additional mainframe coding. With a consistent, interoperable middleware architecture, you can automate common tasks and reuse software components, greatly reducing development time.

In addition, a modular development approach lets you reuse components in new applications. Modify applications and add new protocols and functionality without rewriting the application to save both time and resources. The solution's open foundation also lets you choose from a large set of interoperable, complimentary tools and technologies. With these capabilities, you can respond quickly and easily to shifts in the market. An IDC study found that Red Hat JBoss Middleware can help you deploy up to 70% more applications per year and reduce development time per application by 35.5%.[1] For example, SunTrust, a GT Software Ivory Suite customer, was able to reduce development time by 75%.[2]

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1 *IDC, "The Business Value of Red Hat JBoss Enterprise Application Platform," July 2015.*

2 *BusinessWire, "Ivory from GT Software Helps SunTrust Bank Bring Mobile Banking to Its Clients," April 24, 2008.*

REDUCE PROJECT AND INNOVATION RISKS

With the Red Hat and GT Software solution, mainframe code is exposed through application programming interfaces (APIs), so you can develop and test new applications without changing existing code on your mainframe. Faster application development ensures projects stay relevant to business needs. An IDC study shows that Red Hat JBoss Enterprise Application Platform users endure 89.3% less application development-related downtime.[3]

DELIVER HIGH-QUALITY, HIGH-VALUE PROJECTS

With reusable components and an agile application development approach, the Red Hat and GT Software solution lets you improve application quality while developing faster. For example, using GT Software Ivory Suite, Landesbank Baden-Württemberg (LBBW) achieved 80% reuse of components developed, building a high-quality foundation for new applications.[4] A framework for agile application development also helps you maintain reliability, security, and stability while orchestrating multiple transactions with broad functionality.

MODERNIZE DEVELOPMENT WITH RED HAT AND GT SOFTWARE

The Red Hat and GT Software solution seamlessly connects applications, information, and data regardless of where they reside in your system—in the mainframe, or in physical, virtual, or cloud environments. Within the solution, Red Hat JBoss Middleware provides an open foundation for SOA and agile development, letting you rapidly build connected systems that unite people, processes, and information across your infrastructure.

- **Red Hat JBoss Enterprise Application Platform (EAP)** provides an open source platform for modern, dynamic Java™ applications.
- **Red Hat JBoss Fuse** integrates applications, data, and devices across multiple environments.
- **Red Hat JBoss Enterprise Data Virtualization** gives you a common view of data from disparate applications and databases.

An industry-leading mainframe integration and data access toolset, GT Software Ivory Suite delivers simplified, accelerated connections to mainframe applications, data, and processes.

- **Ivory Service Architect™** provides access to data, processes, and transactions to optimize business information across mainframe, distributed, and cloud platforms. Based on industry-standard web services and a robust, intuitive integration layer, it lets modern technologies access the mainframe without new code, changes to existing code, or additional MIPS usage.
- **Ivory Data Hub™** provides real-time SQL access to mainframe data sources. Using wizard-based configuration—without coding—users can easily identify a target data source. Ivory Data Hub automatically finds the data and builds a connectivity path.

GET STARTED

Your mainframe is at the core of your business operations. An agile development platform from Red Hat and GT Software delivers increased mainframe connectivity and modernizes your application environment, so you can create and launch new applications faster, gain more accurate insight into your customers and business, and adapt to market changes quickly. Contact your Red Hat or GT Software representative or visit gtsoftware.com to learn more.

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3 *IDC, "The Business Value of Red Hat JBoss Enterprise Application Platform," July 2015.*

4 *GT Software, Landesbank Baden-Württemberg case study, 2014.*