



Legacy Integration Framework for the Enterprise (LIFE)

Leverage legacy applications with a flexible integration solution

In recent years, organizations have recognized the value of transforming business processes by aligning with a Web service model. Making applications Web-ready and aligning processes with business objectives have led most to accept this paradigm shift to remain competitive. Not only does this simplify the user experience for partners and suppliers, but also for customers.

Following an IBM® roadmap to Web-enable business applications, organizations have integrated line-of-business software with Java™ and .NET solutions, streamlining processes and leveraging their existing business logic. While many followed this paradigm shift, others who have not modernized must consider the alternatives. Organizations struggle with whether to purge green screens, stand-alone applications and unextensible legacy code, or upgrade and start from scratch. Now there is an alternative.

Sirius Computer Solutions presents the Legacy Integration Framework for the Enterprise (LIFE), a lightweight integration solution that allows you to keep legacy application code while modernizing existing applications for the Web or rich client application. Your organization can easily access your IBM i or IBM System z® code and applications from Java, .NET or other development languages to build a better platform, which offers an extensible environment that's poised for future growth. And LIFE can be installed in only one to two weeks.

LIFE middleware integration

For a fraction of the cost of some other middleware packages, Sirius LIFE provides the connecting technology you need to leverage existing software assets to allow you to meet new business objectives. Along with the LIFE asset delivery, our team of certified experts will:

- ♦ Load the LIFE asset into your developer workspace
- ♦ Construct a sample workspace with at least one map and one call for one application in your environment, using IBM Rational® Application Developer or similar IDE
- ♦ Provide full source code for LIFE, including sample code, mapping examples and macro examples
- ♦ Provide two days of Java and RPG/COBOL knowledge transfer
- ♦ Provide programmer documentation
- ♦ Provide monitoring capabilities for LIFE
- ♦ Provide unit tests for LIFE
- ♦ Provide code coverage reports for LIFE
- ♦ Provide mentoring services for LIFE

What is LIFE for business?

Sirius LIFE is a software abstraction layer that resides between the Web or rich client software and the legacy layer or green-screen code such as RPG or COBOL.

Once the initial LIFE framework is incorporated, the new abstraction layer allows Web or rich client user interfaces to be used with legacy applications. The enhanced functionality gives developers the ability to better manage, maintain and modify code, based on specific business needs.

Benefits of Sirius LIFE Services

- ♦ Provides two-way communication to and from your legacy systems
- ♦ Establishes a flexible platform for accessing legacy resources from languages such as Java and .NET
- ♦ Streamlines Web-enabling of legacy applications and data sources through service-oriented architecture (SOA), Web services, Web applications and standalone applications
- ♦ Provides an on-ramp to simplified Web interfaces, while leveraging legacy logic
- ♦ Teaches developers best practices in coding skills, with which future projects may be launched
- ♦ Simplifies coding by integrating MQ-enabled applications, legacy applications, database access, Web service calls, and Host Access Transformation Services (HATS¹) and Host on Demand (HOD¹) macro calls into the same framework
- ♦ Provides real-time monitoring for managing SLAs and system performance^{1,2}

¹ Requires licensing

² Requires Servlet 3.0 container (WebSphere 8.0+)





Understanding the Legacy Integration Framework

Sirius' Legacy Integration Framework makes previously unavailable legacy application data available to any presentation layer. The framework integrates the presentation layer, the data abstraction layer, and the legacy business logic layer. Using LIFE, a Sirius software expert develops two-way communication between Java or .NET and RPG or COBOL code. This communication provides a foundation for accessing RPG or COBOL code from the Web (or with Web Services/SOA). It also allows for RPG or COBOL to invoke Java or .NET code and gain access to external services. With this foundation, the developer incorporates Java tools and templates to speed the creation of interaction code. The developer can additionally integrate direct database access, calls to and from legacy code, Web services and HATS/HOD macro calls, all within the same framework. The result is a legacy invocation framework that is transparent to the calling code. This framework taps business data to enable better decision-making, allowing innovation to improve business processes.

Fig. 1: Calling RPG/COBOL

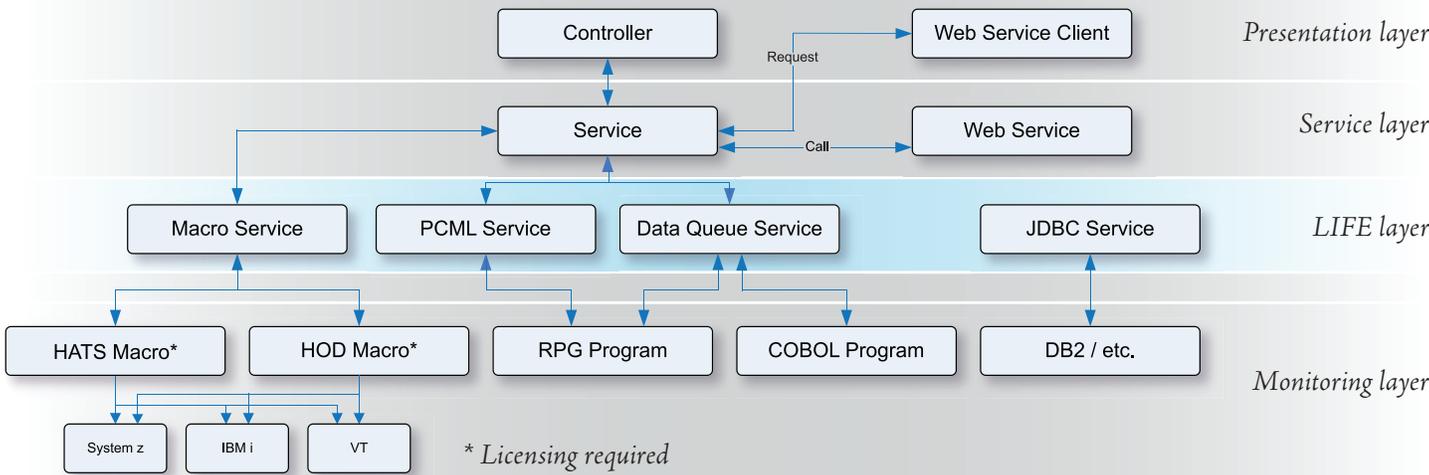


Fig. 2: Calling programs from RPG/COBOL

