Enterprise modernization solutions
To support your business objectives

Enterprise modernization solutions and EGL.
Enhance the customer experience with Web 2.0 technologies and EGL

Web 2.0 technologies—modern, creative user interfaces, collaborative mashups and community-developed media—can enhance the user experience and enable businesses to quickly capitalize on new marketplace opportunities. And they’re serious business, allowing enterprise data to be utilized in new ways to improve business processes, and putting the power of personalized, rich information into the hands of end users.

But many companies can’t take advantage of Web 2.0 opportunities because they are burdened with inflexible IT infrastructures and skills silos that impede rather than promote this type of innovation. Enterprise Generation Language (EGL) is a simpler approach to software development that can help accelerate the delivery of these more modern, interactive applications. EGL frees developers to focus on business issues rather than on the underlying implementation technologies. This enables developers to create Web 2.0 solutions without having to learn the complex technologies that are typically used to build them.

EGL is a new technology that helps reduce development costs and speed time to market. It enables companies to repurpose proven, existing assets; unlock valuable business data; and harness the power of the mainframe. Developers can now build modern, business-centric solutions, including front-end user interfaces and back-end services and business logic, using a single programming language.

Modernizing the enterprise to meet business and IT needs

EGL features high-level specifications that allow developers to quickly write fully functional applications and services. Using IBM Rational® Business Developer software, developers can write business logic in EGL source code, and then generate JavaScript code needed for Web 2.0 applications along with the run-time artifacts required to deploy the application to the desired execution platform.

Create new front ends for virtually any service, program or data with EGL-rich user interfaces.
EGL hides the details of the deployment platform and associated middleware programming interfaces, freeing your developers to focus on what’s really important—solving the business problem at hand. EGL can help developers who have little or no experience with asynchronous JavaScript and XML (Ajax), Representational State Transfer (REST), JavaScript Object Notation (JSON), COBOL, mainframe, Java or Web technologies create enterprise-class services and applications quickly and easily.

Not a substitute for JavaScript, Java or COBOL, EGL is a tool that can help your organization:

- Put the skills of in-house business developers to work on more modern applications.
- Reuse proven, existing mainframe enterprise assets, without having to learn COBOL and mainframe programming.
- Leverage the strengths of Java Platform, Enterprise Edition (Java EE) without forcing developers to learn lower-level Java or JavaScript.

**Why EGL?**

Simple and effective, EGL is a modern programming language that enables virtually any developer, regardless of skillset, to create interactive Web 2.0 applications and service-oriented architecture (SOA) solutions—without requiring that he or she learn the intricacies of Ajax, JavaScript, REST, JSON, HTML or XML. By allowing developers to code at a simpler and more abstract level, EGL essentially eliminates skills silos. With a greater focus on business issues, and the ability to easily create Web 2.0 applications, companies can move more quickly to seize new marketplace opportunities as they arise.

With EGL, your organization can:

- Accelerate Web 2.0 and SOA applications with rich user interfaces in a simplified development environment.
- Increase responsiveness and speed time to market.
- Take advantage of an extensible Eclipse-based development workbench.
- Quickly deliver cross-platform, transactional, data-centric services and applications.
- Rapidly renew legacy investments and business data with dynamic and compelling Web 2.0 front ends.

And to help you make the most of your EGL experience, you can leverage the EGL support included in IBM Rational Developer for IBM System z®, IBM Rational Developer for i for SOA Construction and IBM Rational Business Developer software.
It’s time to set your developers free from towering stacks of software manuals on programming languages, semantics and middleware interfaces. It’s time to bring your existing mainframe applications into the 21st century and leverage their strengths on new issues facing your business. Use the power of EGL to modernize your IT infrastructure and realize the full potential of your business.

For more information
To learn more about how EGL can help you modernize your enterprise, visit:

ibm.com/software/awdtools/developer/business

To learn more about IBM Rational Developer for System z software, visit:

ibm.com/software/awdtools/rdz

To learn more about IBM Rational Business Developer for i for SOA Construction software, visit:

ibm.com/software/awdtools/developer/rdisoa

To learn more about simplifying Web 2.0 and SOA applications with EGL, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/rational/cafe/community/egl