

Integrate COBOL and Web-based business processes with a service-oriented architecture.

Enterprise COBOL for z/OS, Version 4 Release 2



Highlights

- *Delivers enhanced XML parsing support*
- *Exploits system-determined block size for QSAM files, using the BLOCK0 compiler option*
- *Provides compiler listings that display CICS® options in effect*
- *Facilitates compiler message severity customization*
- *Supports the underscore (_) character in COBOL user-defined words*
- *Supports Java™ 5 and Java 6 SDKs for Java interoperability*

To make your business as agile and responsive as possible, you need to be able to connect your business components end to end with your suppliers, partners, employees, and customers, and you need to position your organization to quickly take advantage of opportunities by responding to challenges in real time.

Unfortunately, many IT systems weren't designed to address these objectives or to support Web services and service-oriented architecture (SOA) that are essential for transforming an enterprise into a flexible business with an open, integrated operating environment. You could rewrite your applications in a different programming language in order to address these objectives, but rewriting your applications would be expensive and risky, and it could potentially create downtime that you just can't afford. To remain competitive, you need a complete business strategy to help you modernize, integrate, and manage existing applications, data, and skill sets to ease your organization's transformation into a more flexible business.

Workstation-based development

Rational® Developer for System z provides an interactive, workstation-based environment to help you create, maintain, and reuse applications. Rational Developer for System z includes support for traditional development using COBOL, but also has the ability to generate Web services interfaces from COBOL constructs to ease creation of Web services from existing COBOL applications.

Rational Developer for System z provides a workstation interface to Debug Tool, and is also integrated with IBM File Manager and Fault Analyzer. File Man-

ager integration enables you to access Keyed Sequence Data Set (KSDS) files from the Rational Developer for System z workbench, and gives you the ability to browse and update data sets. By integrating with Fault Analyzer, Rational Developer for System z enables you to browse Fault Analyzer ABEND reports on CICS, IMS, batch, Java, WebSphere, and other run times.

Rational Developer for System z, shown here, supports Enterprise COBOL and helps improve the productivity of COBOL developers. The windows displayed show the context-sensitive editor, as well as a compiler

listing that indicates errors from a compilation. A simple click on a diagnostic message takes you to the line of source code in error.

COBOL across platforms

Enterprise COBOL for z/OS is part of a family of compatible compilers, application development tools, and maintenance tools. Along with Enterprise COBOL for z/OS, IBM offers COBOL compilers for multiple platforms as well as IBM File Manager, IBM Fault Analyzer, and Debug Tool. As mentioned previously, the recommended workstation-based development environment is Rational Developer for System z.

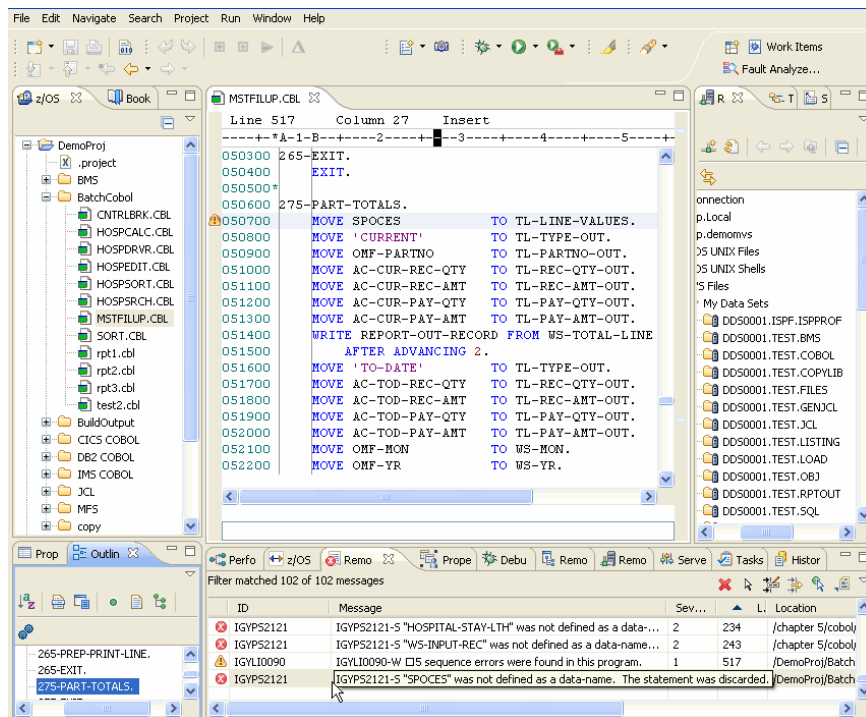


Figure 1: Rational Developer for System z workbench.

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SC23-8612-00



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