

DATA SHEET

MICRO FOCUS STUDIO™ FOR COBOL DEVELOPERS

Business Challenge

In most organizations today, IT rarely has the luxury of a single platform for all applications. Either during natural evolution or through mergers and acquisitions, the typical data center will have systems running a variety of Windows, UNIX, and Linux platforms.

This complexity introduces additional costs and risks for the enterprise if different programming languages, processes, and tools are required. With Micro Focus Studio and COBOL, IT organizations have a complete development solution that covers all the main platforms allowing for reuse of code, people, and processes to reduce risk and increase productivity.

Product Overview

Micro Focus Studio brings together Net Express®, for Windows development, and Server Express™ for UNIX and Linux. Both toolsets provide powerful COBOL-oriented development and debugging tools across all major platforms. By enabling advanced features such as Direct COBOL Web Services, J2EE interoperability, along with remote debugging and production diagnostic tools, the COBOL developer has all the tools they need to build powerful cross-platform applications.

Studio for COBOL Developers can be upgraded with the .NET option, for building native .NET applications that exploit framework features such as WPF and WCF as well as development within Visual Studio, and the Eclipse option which enables COBOL development within the powerful cross-platform Eclipse IDE.

Key Benefits

- Deliver competitive advantage with rapid implementation of business requests
- Reduce risk through reuse of existing COBOL code, and skills
- Deliver an open and agile business solution through XML and Web services
- Gain portability with support for all major Windows, UNIX and Linux platforms
- Increase productivity with contemporary development environment

- Deliver contemporary graphical or web user interface which increases overall usability of an application

Detailed Feature Overview

POWERFUL INTEGRATED DEVELOPMENT ENVIRONMENT

Micro Focus Studio includes both Net Express and Server Express. Net Express provides a sophisticated IDE that incorporates a complete suite of application development tools and wizards. Powerful project handling capabilities simplify the edit, compile, and debug cycle. Also included is an editor tailored to the needs of COBOL programmers makes it easy to modify code. On UNIX and Linux, Server Express provides a similar set of tools.

Visual Studio and Eclipse options exploit the richest and most advanced development environments for COBOL.

STATE-OF-THE-ART COBOL COMPILER FOR NET EXPRESS

- High-performance native code that can be optimized for peak performance on specific hardware platforms
- Extensive COBOL dialect support that makes it easy to re-host and modernize existing applications
- Scalability, ranging from standalone PCs to multi-processor UNIX systems
- Full support for object oriented COBOL (including ISO2002 Syntax) and COBOL development/debugging
- UNICODE support for global applications

WEB SERVICES

Studio for ISVs provides support for direct COBOL Web services, delivering the ability to create, consume, and deploy Web services without requiring third-party software. With no additional programming, a COBOL component can be transformed into a Web service, delivering existing business logic for use and reuse in applications and systems across multiple platforms and languages. The COBOL Web service created by Net Express is deployed with

Micro Focus Server for SOA and can be consumed across the enterprise by Microsoft .NET clients, Java environments and COBOL itself, using the Web service client support in Micro Focus Net Express and Server Express.™

COBOL COMPONENTIZATION FOR J2EE

Using Micro Focus COBOL/Java interoperability, Java programs can call COBOL and conversely, COBOL can invoke Java objects. The Interface Mapping Toolkit exposes existing COBOL interfaces as an Enterprise JavaBean (EJB) that can form part of a composite COBOL/Java solution. When deployed with Micro Focus Server for SOA which includes a J2EE Connector, COBOL applications can be leveraged in a J2EE-compliant manner from a Java application server such as IBM WebSphere® or BEA WebLogic®, Oracle Application Server, or JBoss.

TEST COVERAGE

It may often be difficult to verify that subsequent testing has actually exercised the modifications made when code changes are made to complex applications. The Test Coverage facility supports the COBOL developer in unit testing application changes and the QA department in 'White-Box' testing.

Test Coverage traces and records the execution of a COBOL program line-by-line for single or cumulative program runs, supporting the creation of a text or HTML report displaying program execution and highlighting untested code blocks.

OTHER KEY FEATURES

- **Interface Mapping Toolkit** for easy creation of Web Services from existing COBOL source code
- **COBOL with XML** allows creation, consumption and update of XML documents using familiar COBOL syntax
- **Production Debugging and Diagnostics** allows Micro Focus Studio to be used to investigate issues in live production systems
- **OpenESQL** transparently translates embedded SQL statements into ODBC API calls for access to multiple relational database systems.

Technical Specifications

Windows® XP, Windows Vista, Windows Server 2008, Windows Server™ 2003, or Windows 2000.

UNIX/Linux Components - Operating System requirements vary depending on the specific platform. See <http://supportline.microfocus.com/productreleaselevels/unix.asp> for details.

For additional information please visit: www.microfocus.com

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