DATA SHEET

MICRO FOCUS NET EXPRESS®

Business Challenge

Economic pressures on corporate IT departments have never been harder than today. IT teams have to balance keeping the organization functioning while continuing to deliver innovation and support for business initiatives to improve corporate performance.

In such an environment, the productivity of IT's core resource – its people – is critical. Tools that support the programmer in their daily work by increasing productivity are given priority since it directly impacts the organization's bottom line. For example, immediately reporting errors without waiting for a full system build, providing information to better understand the code that is being changed, or assisting the programmer in reusing existing code in new ways directly improves the quality and amount of work that can be delivered by the individual.

Product Overview

Net Express brings together the most powerful COBOL development, test, and deployment tools available today. Real productivity and quality gains can be achieved by using intelligence gathered during the compilation process, tightly integrating the development tools in a purpose-built integrated development environment (IDE), and extending tool support across the application.

Net Express provides an environmentto both build new applications and leverage proven business logic, data and, programmingresources which dramatically reduces the development cycle and accelerates the deploymentof contemporary business applications. Net Express can be upgraded to Net Expresswith .NET to enable the creation, using Visual Studio 2008, of COBOL applications fordeployment into the .NET Framework. With the Eclipse option, it also enables the creation of mixed COBOL & Java applications and common development tools across Windows, Linux and UNIX.

Key Benefits

> Deliver competitive advantage and new features to market through the extension of existing code.

> Flexibility to deploy applications to all major Windows, Linux and UNIX platforms to take advantage of existing hardware and skills.

> Improved developer productivity with point-and-click SQL

generation and simple access to ODBC databases for rapid access to standard databases.

> Option to utilize the latest high productivity development and test environments - Visual Studio and Eclipse

> COBOL Web service support securely exposes existing assets to reporting, collaboration and new business initiatives

Detailed Feature Overview

POWERFUL INTEGRATED DEVELOPMENT ENVIRONMENT

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, and an editor tailored to the needs of COBOL programmers makes it easy to modify code.

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 for you to re-host existing applications

> Scalability, ranging from stand alone PCs to multi-processor UNIX systems2

> Full support for object oriented COBOL (including ISO2002 Syntax) and COBOL development/debugging

> UNICODE support for global applications

WEB SERVICES

Net Express 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 Net Express COBOL/Java interoperability, Java programs can call COBOL as well as allowing COBOL to invoke Java objects. The Net Express 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 are leveraged in a J2EE-compliant manner from a Java application server such as IBM WebSphere®, BEA WebLogic®, Oracle Application Server, and JBoss.

SCALABLE APPLICATION DEVELOPMENT AND DEPLOYMENT

Net Express provides a highly productive development environment allowing developers to create and maintain Windows or multi-tier distributed applications. Micro Focus Server™ provides a high-performance, robust, proven and portable platform for the deployment of Net Express COBOL applications to Windows, UNIX and Linux.

Micro Focus Server for SOA also adds a scalable, managed and high-performance transactional environment for the deployment of COBOL services, COBOL/J2EE applications and direct COBOL Web services to Windows®, UNIX and Linux.

TEST COVERAGE

It may often be difficult to verify that subsequent testing has actually exercised the changes 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 Net Express to be used to investigate issues in live production systems

> **Integration with Server Express on UNIX** supports the development and deployment of applications across Linux, UNIX and Windows.

> **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