

DATA SHEET

MICRO FOCUS SERVER™ FOR COBOL

Business Challenge

COBOL applications run at the heart of corporate IT organizations. These systems are typically running critical applications such as order processing, payroll, billing, CRM, and much more. Such systems require high availability, high performance and robustness. The Micro Focus COBOL Server platform has proven itself the best choice for such applications hundreds of times over more than 30 years.

Product Overview

Micro Focus Server™ for COBOL is the deployment component for COBOL applications and services created using Micro Focus Server Express™ or Micro Focus Net Express® development products. Micro Focus Server for COBOL provides a high-performance, robust, proven, and portable platform for the deployment of COBOL applications on Windows, UNIX, and Linux.

Other products in the Micro Focus Server group include:

- **Micro Focus Server for .NET** which enables COBOL applications to be deployed under the Microsoft .NET Framework.
- **Micro Focus Server for SOA** which provides support for the deployment of COBOL applications that have been extended in usage through a Service Oriented Architecture such as Web services and COBOL/J2EE integration.
- **Micro Focus Server Enterprise Edition** adds the ability to deploy applications migrated from the IBM Mainframe including CICS, IMS and JCL code.

Detailed Feature Overview

IMPROVED RELIABILITY, AVAILABILITY AND SERVICEABILITY

Micro Focus deployment software has evolved over more than thirty years. Because of this innovation evolution, customers can rest assured knowing that an application performs its intended function reliably, day in and day out. On occasion, however, systems can fail for many reasons, which is why Micro Focus Server also provides advanced production recovery capabilities to ensure service is restored in the shortest possible time.

OPTIMIZED APPLICATION PERFORMANCE

The demand for increased application processing is constant. This is partially satisfied by the continued increase in processor power, but customers demand greater reliability and faster recovery when things do go wrong. Micro Focus Server is designed with performance and scalability in mind. When coupled with the ability to run native machine code instructions generated from a single source base, it provides the ability to utilize the full performance capabilities of the 32-bit or 64-bit deployment platform.

CROSS PLATFORM APPLICATION SUPPORT

Micro Focus Server delivers intermediate code support for applications that are operating system independent. Micro Focus Run-Time System (RTS) engine provides the developer with full intermediate code portability from a single set of COBOL source code. This is the COBOL equivalent of the Java byte code with RTS performing, similar functions of the Java Virtual Machine or the .NET Common Language Run-time (CLR). In this way, we achieve the 'write once, run anywhere' characteristic that has been an intrinsic part of Micro Focus COBOL since its 50 years ago.

MULTIPLE DEBUGGING OPTIONS

FaultFinder

When applications fail in production, regular debugging techniques to locate the problem often do not work. The source code might not be available or the problem cannot be easily reproduced. FaultFinder is designed to provide the help needed in these critical situations. It provides a snapshot of the application, just at the point where the application failed, and provides fully configurable and comprehensive fault diagnostic information including:

- Detailed analysis of your execution environment including environment variables, configuration options, switch settings, etc.
- Comprehensive memory allocation and usage details
- A snapshot of the data files being processed and their file descriptors
- Threading information, active programs (call stack) and their parameters

- Loaded programs and associated data
- Actual machine code operation at which the application aborted and a history of other operations performed prior to failure

Consolidated Tracing Facility (CTF)

CTF is a tracing infrastructure that quickly and easily produces diagnostic information detailing the operation of Micro Focus software components on the applications. A number of key components are enabled to provide information using the Consolidated Tracing Facility which outputs trace events (in binary or test formats) to one or more output destinations. The binary trace files created on both platforms by the binfile emitter are viewed using the CTF Viewer installed in Net Express or the Micro Focus Eclipse option.

WEB SERVICE CLIENT SUPPORT

Micro Focus Server now includes Web service COBOL client support for the consumption of Web services from COBOL. Using this support, a standards-based Web service (for example, a Web service created by .NET or IBM Websphere, or a Micro Focus direct COBOL Web service deployed with Micro Focus Server) can be invoked directly from COBOL without going through any other language or technology.

OTHER KEY FEATURES

Comprehensive Data Access Options

- **OpenESQL** to access ODBC data sources from COBOL.
- **COBOL with XML** allows creation, consumption and update of XML documents using familiar COBOL syntax
- **Data Management** with Rebuild enables quick repair of corrupt index files and easily changing of file formats.
- **32-bit or 64-bit** deployment options for Windows, Linux and Windows

Product Specifications & System Requirements

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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