

DATA SHEET

MICRO FOCUS SERVER™ ENTERPRISE EDITION

Business Challenge

Businesses face constant pressure to reduce costs while at the same time improve efficiency and deliver more innovative products. Many organizations choose to migrate mainframe applications to lower cost platforms to achieve these goals. Taking this modernization approach has helped these organizations reduce annual operating costs by up to 77%.

The key to successful migration projects is minimizing change to avoid unnecessary risk during the initial migration project, while moving to an agile environment that can support future growth. These benefits are compelling but are unlikely to be realized unless the technology used to run the migrated applications can:

- Deliver the performance and transaction throughput required by the business
- Meet the Reliability, Availability and Serviceability (RAS) expectations of the business
- Provide a flexible architecture that enables IT to respond rapidly to new business demands
- Offer appropriate application and system level security
- Enable IT to proactively manage the health of the systems in production.

Product Overview

Micro Focus Server Enterprise Edition provides a high performance, scalable, deployment environment for hosting applications that have been migrated from mainframes. It also provides the infrastructure to support the integration of these applications with technologies such as .NET, J2EE, or SOA to better satisfy evolving business requirements.

Micro Focus Server Enterprise Edition is built around a job execution and transaction environment that supports IBM JCL job streams, IBM CICS transactions, IBM IMS transactions and Web services. It also includes a production database that is compatible with IMS DB and middleware technology to support data migration projects.

The result is a single integrated deployment environment which provides the transaction processing, job execution, and data access capabilities, to support the rehosting of existing mainframe COBOL and PL/I¹ applications to alternative lower cost environments.

While Server Enterprise Edition supports the deployment of the migrated application, its companion product Micro Focus Studio™ Enterprise Edition supports the entire development lifecycle from analysis to test and the continuous improvement of these applications into the future.

Key Benefits

- Cut annual operating costs by up to 77%
- Complete migration projects faster as applications can be migrated with minimum changes
- Reduce risk, as applications behave in the same way they did on the mainframe because the original code defining existing online and batch business processes is reused
- Exploit the price/performance ratio of modern, powerful, competitively priced processors
- Shrink batch cycle times by taking advantage of the processing power of modern processors
- Deliver equivalent Quality of Service (QOS) levels at reduced cost
- Bring disaster recovery implementations in-house instead of using costly outsourcing services
- Utilize mainframe compatible security models for authentication and authorization
- Deliver mainframe level Reliability, Availability and Serviceability (RAS) cost-effectively
- Support modernization via new Web or graphical user interfaces that reuse traditional interfaces
- Improve agility, as proven business functions can be exposed and executed as Web services for easier reuse within strategic architectures such as .NET, J2EE or SOA
- Increase flexibility and future-proof business assets, as applications can be moved to popular Linux, UNIX or Windows (LUW) environments to simplify business process integration demands
- Explore possibilities of deploying applications within appropriate cloud environments in the future.

Feature Overview

COMPLETE COBOL AND PL/I APPLICATION REHOSTING AND DEPLOYMENT ENVIRONMENT

- COBOL and PL/I run time and diagnostics
- Job Execution System (JES)
- CICS and IMS TM transaction system support
- Built in administration, monitoring and control as well as integration with third party operations management tools

COMPREHENSIVE DATA ACCESS CAPABILITIES

- File handler that supports key VSAM file types, Partitioned Datasets and Generation Data Groups
- Support for leading relational databases – IBM DB2 LUW, Microsoft SQL Server and Oracle
- Offers an IMS DL/I compatible database to rehost applications without data model updates

SUPPORT FOR DATA MIGRATION INITIATIVES WHILE MINIMIZING APPLICATION UPDATES

- Host Compatibility Option for SQL Server (HCOSS) provides middleware to minimize SQL updates when migrating DB2-based applications to SQL Server
- Database Connectors Option provides middleware to avoid COBOL I/O updates when migrating VSAM data to SQL Server

MISSION CRITICAL DEPLOYMENT ENVIRONMENT

- High performance and scalable deployment engine
- Infrastructure for Reliability, Availability and Serviceability (RAS)
- Flexible and comprehensive security options

- Architected to support modernization on latest 32-bit and 64-bit server environments
- Web services support
- J2EE-compliant access to Java application servers
- Support for popular Linux, Unix and Windows platforms
- Managed code COBOL and CICS support within Microsoft .NET framework
- Connectivity to CICS and DB2 on z/OS from LUW environments
- CICS Inter-System Communication (ISC) support
- Host DB2 connectivity utilizing IBM DB2 Connect
- Integration with popular third-party products
- Job schedulers
- Print management
- Operations management
- Market leading 24*7 product support

Technical Specifications

Windows Components - Operating System Requirements

- Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, or Windows XP

UNIX/Linux components - operating system requirements vary depending on the specific platform.

See <http://supportline.microfocus.com/productreleaselevels/unix.asp> for details.

¹ PL/I support is being enhanced in incremental releases that are available via an Early Adopter Program. If you are interested in re-hosting PL/I applications please send an email to EAP@microfocus.com.

For additional information please visit: www.microfocus.com