

DATA SHEET

MICRO FOCUS STUDIO™ ENTERPRISE EDITION

Business Challenge

Businesses are constantly trying to find ways to simplify their IT infrastructure and to lower costs. Organizations utilizing mainframe hardware and software often choose to migrate applications and workload to a lower cost more flexible platform to achieve this. Taking this modernization approach has helped these organizations reduce mainframe operating costs by up to 77%.

However, migrating mission critical mainframe applications to a new platform is a complex task and simply re-hosting the application is seldom the end goal. Typically it constitutes the first critical phase in a long term modernization journey. Critical factors to take into consideration include:

- Minimizing change to applications during migration is key to reducing risk and cost
- Comprehensive dialect support is vital to avoid changing existing COBOL business logic
- Rehosting PL/I applications, rather than converting to a new language, dramatically reduces risk
- Online systems are easier to migrate if the CICS or IMS TM utilization can stay intact
- Being able to keep existing JCL greatly simplifies the batch elements of the migration
- Rich data access facilities, mainframe database support and efficient data migration capabilities are essential to keep any migration on time and within budget
- Flexible modernization capabilities are needed to respond to the future needs of the business
- Issues will arise during and after the project, making effective 24*7 vendor support indispensable.

Product Overview

Micro Focus Studio Enterprise Edition provides a highly productive graphical tool suit that enables organizations to migrate proven business applications to lower cost environments. The same tool set is then used to maintain, improve and modernize the migrated applications to satisfy the changing needs of the business.

Studio Enterprise Edition supports IBM COBOL, IBM CICS, IBM IMS (TM and DB) and IBM JCL, IBM DB2, IBM z/OS file formats and SORT utilities, and now PL/I, on Intel or System z Linux, UNIX and Windows. This means the core online and batch application logic, which defines your unique business processes, can be migrated and reused with minimum modification, on any of these environments.

It also contains all the development and testing tools you need to modernize the migrated applications and fully unlock the value of these business assets by exploiting existing interfaces and extending them to a Service Oriented Architecture (SOA), through .NET, Web services or J2EE.

The Studio Enterprise Edition suite supports the entire development lifecycle from analysis to test, while its companion product, Micro Focus Server™ Enterprise Edition, supports the deployment of the migrated application on the new production platform.

Key Benefits

- Reduce annual operating costs by up to 77%
- Drive up productivity by as much as 50%, as developers reuse existing skills while working on the same application code, within a contemporary IDE on a dedicated development workstation
- Reduce risk, as the core online and batch logic that defines your unique business processes remains intact the applications will therefore behave as they did on the mainframe
- Gain valuable insight into the applications that run your business pre and post migration
- Improve agility, as tried and tested business functions can be quickly exposed as Web services for faster reuse within strategic architectures like .NET, J2EE or SOA
- Increase flexibility and future-proof business assets, as applications can be moved to popular Linux, UNIX or Windows platforms to satisfy business process integration demands
- Complete migrations earlier as application functionality can be migrated with minimum changes
- Modernize applications faster using graphical tools, wizards and generators to quickly deliver the new capabilities the business requires

Feature Overview

Micro Focus Studio is an integrated suite of products that supports the complete development life cycle from within a Windows environment, regardless of whether the target production environment is a Linux, UNIX or Windows server.

FULL APPLICATION DEVELOPMENT LIFE CYCLE SUPPORT

- Analyze with Micro Focus Modernization Workbench®
- Develop and build within Microsoft Visual Studio on Windows
- Build using Micro Focus Server Express™ on Linux or UNIX
- Test using Visual Studio on Windows and Server Express on Linux or UNIX

COMPREHENSIVE MAINFRAME COMPATIBILITY

- Support for multiple mainframe COBOL dialects
- ANSI PL/I1 dialect support and new support for key mainframe extensions
- Online application – CICS and IMS Transaction System support
 - Integrated EXEC CICS pre-compiler to support command level CICS
 - Integrated EXEC DLI pre-compiler for COBOL
 - Support for CBLTDLI and PLITDLI call interfaces
 - CICS and IMS application source editing and debugging
 - BMS and MFS macro compilers
 - BMS painter
- Batch application and JCL support
 - JCL Syntax and Utilities
 - Integrated Development
 - JCL User Exits and Third-party interoperability
 - Internal Reader support

FULL RANGE OF DATA MIGRATION AND DATA ACCESS OPTIONS

- Support for VSAM file types, PDSs and GDGs
- IMS database support on LUW
- DB2 data migration support
- Host Compatibility Option for SQL Server
- VSAM data to SQL Server migration support

EFFICIENT MODERNIZATION POST MIGRATION

- Tools to enable simpler user interfaces and integration with other systems
- Capabilities to extend applications through J2EE, COM, Web services and SOA
- Graphical and Web user interface generation and development
- Terminal Emulator user interface modernization and aggregation

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