

**BUSINESS CHALLENGE**

Few data centers have luxury of a single platform for all applications. Whether as a result of evolution, mergers and acquisitions or other business events, today's typical data center will have systems running a mixture of Windows, UNIX and Linux platforms. Complexity can mean additional costs and risks for the enterprise, especially if different programming languages, processes, and tools are required.

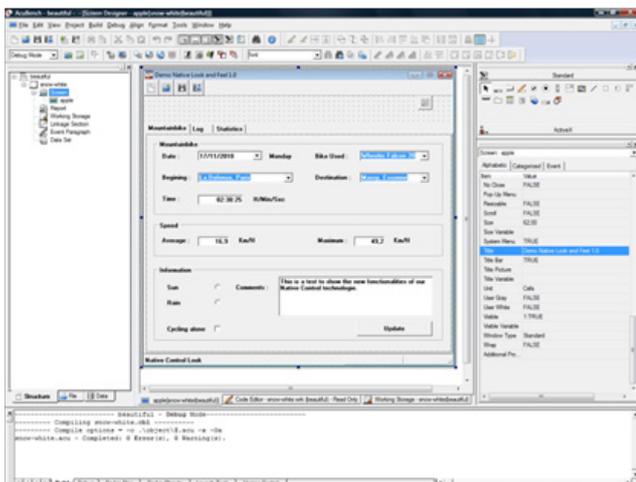
In addition, when ISVs develop products they want their applications to be portable and look for consistent and powerful development tools across many operating systems and hardware platforms with a low cost of entry. COBOL provides the ideal language for creating portable cross-platform solutions.

**Product Overview**

**extend**® is the full suite of software solutions to help developers modernize COBOL applications. The core components of **extend** are the ACUCOBOL-GT® development system and COBOL Virtual Machine™ which is used for application deployment across more than 600 platforms.

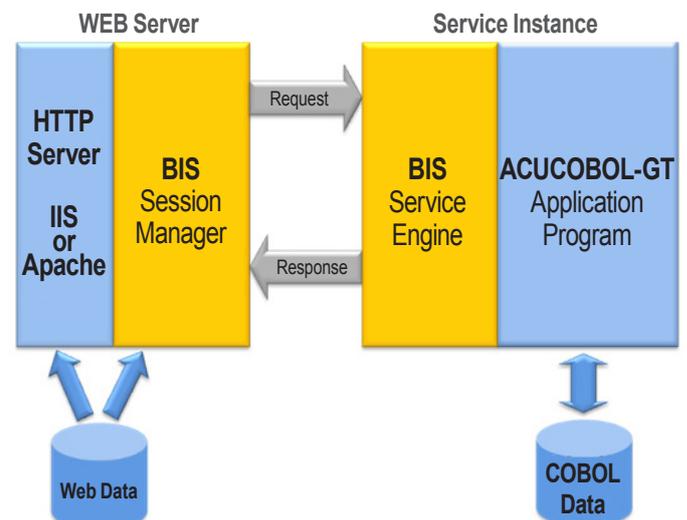
Other **extend** solutions include:

- ACUCOBOL-GT: a core COBOL development system with modern COBOL standards support and rich user interface syntax extensions



- AcuBench®: Windows Integrated Development Environment (IDE)
- AcuConnect®: a COBOL client/server solution that can be deployed in a distributed processing architecture or in a Thin Client architecture. The Thin Client technology delivers rich user interfaces with small client footprint in client/server applications, so server-based applications can be viewed. In addition, the Web Thin Client exposes these user interfaces within web browsers for maximum flexibility.
- Acu4GL®: patented technology providing COBOL syntax access to relational databases
- AcuXDBC®: ODBC & JDBC access to ACUCOBOL data files (the Vision file system) unlocking the previously hidden COBOL data to business applications such as Excel, Access or Business Objects
- AcuSQL®: embedded SQL support
- AcuServer®: client/server distributed access to COBOL data in the Vision file system
- Xcentrinity® Business Information Server for **extend**: Web Server environment for your ACUCOBOL-GT applications for providing Web applications and Services

**Xcentrinity BIS data flow**



## KEY BENEFITS

- Reduced risk by reusing existing COBOL code and skills
- Increased portability with support for all major Windows, UNIX and Linux platforms
- Deliver contemporary graphical or web user interface, making it easier to use the application
- Optimized client/server user interface technology, reducing the overall cost of deploying and managing the application
- Data access tools maximize accessibility and flexibility of COBOL data, bringing real time analytics capabilities to existing assets

## DETAILED FEATURE OVERVIEW

### Compatibility and portability

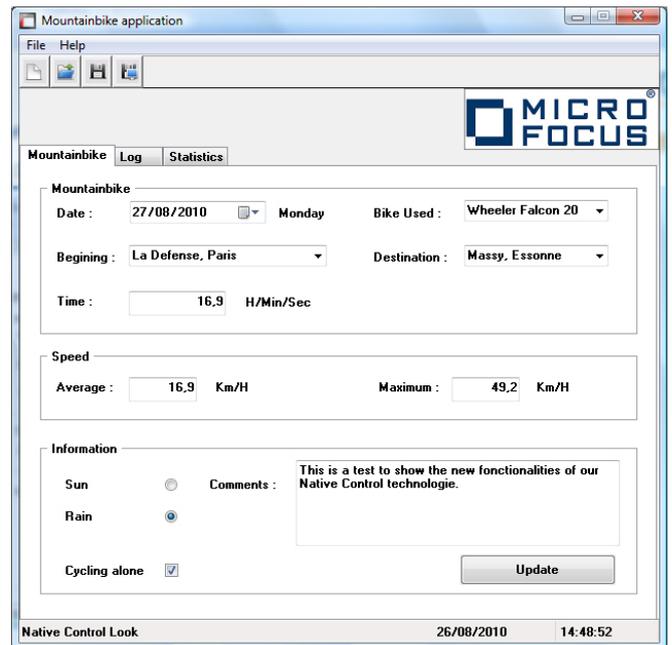
Compiler options deliver compatibility with RM/COBOL, ICOBOL, VAX COBOL, IBM DOS/VS COBOL, and HP COBOL II/XL. Object modules created by ACUCOBOL-GT can be deployed on hundreds of platforms without the need to recompile using the COBOL Virtual Machine.

### Flexible data access options

The ACUCOBOL Vision file system provides high performance COBOL VSAM file storage. This data can be accessed by non-COBOL applications which have ODBC or JDBC interfaces using the AcuXDBC options. For COBOL applications that need to access data in a relational database, Acu4GL allows full access using traditional COBOL file handling verbs (READ, WRITE etc.).

### Graphical User Interfaces

ACUCOBOL Graphical Technology (ACUCOBOL-GT) provides extensions to the COBOL ACCEPT/DISPLAY, and SCREEN SECTION syntax to incorporate graphical user interface controls such as menu bars, buttons, windows etc. in applications. These user interfaces can be displayed on remote systems using the Thin Client.



### Other key features

- Interoperability – ACUCOBOL applications can integrate with Java, C, COM and .NET objects
- COBOL with XML allows applications to read, process, and write XML documents
- Boomerang provides tools to manage source code and compile applications on remote servers

## PRODUCT SPECIFICATIONS & SYSTEM REQUIREMENTS

- Windows 8, Windows 7, Windows XP, Windows Vista, Windows Server 2012, Windows Server 2008, Windows Server 2003 or Windows 2000.
- UNIX/Linux Components - Operating System requirements vary depending on the specific platform.

**For additional information please visit: [www.microfocus.com](http://www.microfocus.com)**