

AcuXDBC

COBOL applications are at the heart of many IT organizations' portfolios. These COBOL applications typically run some of the most mission-critical applications that ensure continuity of operation or deliver competitive advantage. Within these systems is a wealth of valuable business data that, until now, was only accessible to those COBOL applications. Any requests for external access usually resulted in custom reporting or extract tools to be written, and frequently these would be "snapshots" of the data, not a live view.

Overall the IT department ends up with more requests for custom solutions than they can afford to deliver, end-users are frustrated that they can't access valuable business intelligence data and the company sees increased costs and reduced opportunities for increasing revenues.

Product Highlights

Micro Focus® AcuXDBC™ provides a simple solution to the challenges of valuable data held in COBOL systems in the ACUCOBOL Vision file system. By exposing industry-standard ODBC & JDBC interfaces onto the data, standard business intelligence applications such as Microsoft Excel and Business Objects or other languages such as VB.NET, C# or Java can access the data without the user even being aware they are dealing with COBOL data.

Key Benefits

- Support for standard ODBC & JDBC interface makes it easy for standard database tools to be used on existing assets

- Expose COBOL data to standard business intelligence tools and other programming languages to enable real-time analytics for everyday business analysts
- Provides a standards-based interface to Java applications, enabling access to the COBOL across the IT portfolio, reducing duplication and encouraging integration of systems

Key Features

Data Access Features

End users can access the data files using standard reporting applications. AcuXDBC includes the following features that ensure data access remains seamless:

- AcuXDBC provides an ODBC driver that enables users of popular Microsoft Office applications such as Access, Excel and Microsoft SQL Server, as well as Crystal Reports and modern programming languages, to connect to the COBOL data and execute SQL commands for data retrieval and manipulation purposes.

System Requirements

- Multiple Windows, UNIX and Linux platforms
- Microsoft ODBC Driver Manager v3.5 or later (Windows only)
- Microsoft ODBC Data Source Administrator v3.5 or later (Windows only)



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- With third-party UNIX ODBC core libraries, AcuXDBC can enable connections to an ODBC driver from a UNIX command line or script. This allows UNIX users to access the database directly rather than through a Windows operating system.
- AcuXDBC includes a JDBC driver that enables Java applications to connect to the database.
- Also included is a SQL query tool that enables the execution of SQL commands and scripts directly on the database tables without having to connect to the database via a third-party application or an ODBC connection. This command-line query tool is extremely handy for tasks like setting permissions to tables, creating views, and producing batch reports that require a series of complicated SQL commands to produce.
- Support for standard ODBC & JDBC interface makes it easy for standard database tools to be use.

Flexibility

AcuXDBC provides a choice of file location and execution path. Vision files can reside on the client for use in standalone environments, on a mapped network drive, or on a server in a client/server network. Remote processing is enabled through the use of a Server component.

High Performance

AcuXDBC has been geared for high performance. Its highly tuned drivers and SQL processor result in a fast execution of many complex SQL commands on large datasets. It also has an advanced rules-based optimizer that utilizes the described key information to determine what keys to push for the WHERE and/or ORDER BY clause.

Other Key Features

- Command-line tools allow for simple creation of system catalog information for COBOL data and table management
- Automated creation of catalog & tables based on COBOL File Descriptor information gathered from the COBOL compiler
- ODBC v2.0-compliant interface
- ANSI 92 SQL standard conforming
- Data Security options at both the database and object levels
- Transaction Processing Protection ensures transaction management, logging, locking, etc.