

Advanced Open COBOL Enables the migration of COBOL applications

Open COBOL is a source code language converter that reads OpenVMS COBOL and generates consistent, portable, and maintainable COBOL source code.

Open COBOL Source Code Converter automates converting OpenVMS COBOL applications to open systems. It will process OpenVMS COBOL source code, and create new COBOL source which has been automatically adjusted to be compiled by COBOL compilers including Micro Focus and Acucobol on Unix, Linux and Windows.

The changes made to the user's source include handling differences in language syntax and automated linking with our porting libraries.

Areas addressed include:

- > Differences in naming conventions
- > Adjustments to passing of arguments to produce desired results
- > Status return handling
- > OpenVMS-style logical name handling in COPY statement
- > Resolution of OpenVMS symbols to their defined values
- > OpenVMS-style logical name handling for

opening Files in the program

- > Automatic handling of OpenVMS COBOL syntactical extensions, such as "IF...SUCCESS"
- > Testing logical values
- > Bit-wise logical operations

Open COBOL will make the changes needed to link the application with our porting libraries, Open LIBR8, Open SMG and Open FMS.

Open LIBR8 ports hundreds of routines found in OpenVMS applications, including QIO, logical names, event flags, asynchronous system traps, mailboxes, and RMS I/O routines.

Open SMG ports OpenVMS applications using Digital's screen manager, the SMG\$ library, for screen painting and input.

Open FMS ports the OpenVMS forms management and transaction handling system, FMS, widely used in commercial applications.

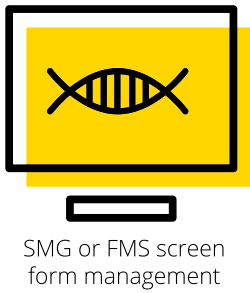
Open COBOL's links to our libraries resolve OpenVMS dependencies in a customer's applications.

"We developed our applications in-house to handle the unique needs of our diverse client base. However, further scalability was not going to be possible without a change of platform.

Migration with Advanced offered us a fast, cost-effective and low-risk solution."

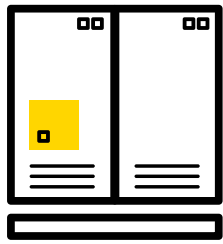
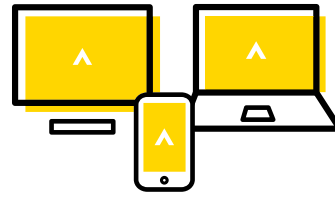
Rob Hussey >
Head of Solutions Delivery >
Mercer Outsourcing

Open COBOL



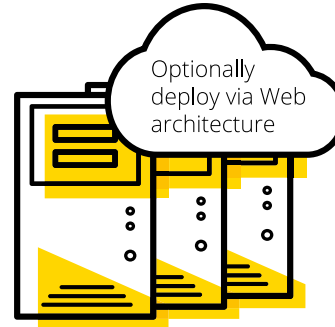
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User interface can remain character-based or a new interface using Java, VB or ASP.NET/JSP browser-based deployment can be implemented.



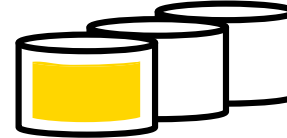
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Tools-based migration of core COBOL, FORTRAN, Pascal, Ada, BASIC, and C on-line and batch programs, with optional extraction and componentisation of core business rules into re-usable 'application' or Web services.



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RMS and Rdb databases migrated to RDBMS environment. Application data management layer underpinned with embedded SQL I/O services and called from original file access points in application.



Upgrade to Open RDBMS environment

"We chose Advanced for this complex and demanding migration as it had both the technical expertise to convert our OpenVMS applications to Windows, and also its well established migration methodology."

Martin Heaton >
Control Systems Development Manager >
Springfields Fuels

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