

## Advanced COBOL Programming

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*This course describes and explains the features now available in COBOL/370. It includes a separate COBOL-85 (COBOL-II) topic for those delegates not familiar with the extensions, a dump analysis topic and full details of Intrinsic Functions that were added in 1989 for those platforms that support them.*

### Audience

The course is ideal for COBOL programmers who have no or very little experience of COBOL-II or will be working with the COBOL/370 compiler.

### Prerequisites

All delegates attending this course should be **experienced** COBOL programmers.

### Duration

2 - 4 days (depending on requirements and whether the **Debugging** topic is included), hands-on.

### Course objectives

On completion of this course, students will be able to:

- describe and use the ANSI-85 extensions
- understand the COBOL/370 enhancements
- understand and make effective use of Intrinsic Functions
- describe the compile and run-time options available
- know the benefits of Language Environment/370 (LE/370)
- understand and use the various debugging facilities

### Course contents

#### COBOL-II extensions

- EVALUATE
- INITIALIZE
- SET
- In-line PERFORM
- Scope delimiters
- Sub-strings
- Miscellaneous changes
- CALLing external programs and passing data
- Differences to ANSI-74 standard

#### COBOL/370 enhancements

- New products
- 31-bit addressability
- Memory
- Compiler enhancements
- Compile options
- Run-time options
- CBL, PROCESS
- \*CBL, \*CONTROL
- TITLE

#### Intrinsic Functions

- Date functions
- Character functions
- Numeric functions

#### Language Environment/370 (LE/370)

- CALLable services

#### Debugging

- FDUMP
- CEEDUMP
- ABEND-AID
- System dumps and Abends
- Handling program run-time errors