

SAP ABAP (Advanced Business Application Programming)

ABAP is a very high level programming language. It is currently positioned, alongside the more recently introduced Java, as the language for programming SAP's Web Application Server, part of its NetWeaver platform for building business applications.

Group rates available – Inquire for more details

Duration: 55 hours

Course Content

Introduction to SAP ABAP

- Introduction to SAP application server SAP R/3 architecture.

ABAP Development Workbench Tools

- Object Navigator
- Workbench Organizer, Data Dictionary
- Menu Painter, Screen Painter

ABAP Dictionary

- Tables**
 - Two level domain concept
 - Technical setting
 - Table access performance
 - Input checks
- Views**
 - Search Help
 - Lock Objects

ABAP Programming Techniques

- Reports Statement**
 - Line size
 - Line-count
 - Message
 - Page heading
 - Report comment section
- Declarations**
 - Tables
 - Includes
 - Variables (Data Types and Data Objects)
 - Structures
 - Internal table
 - Constants

- Selection Screen / Input Fields**
 - Parameters
 - Select - Options
 - Section screen formatting

- Program Events**
 - Initialization
 - Start of selection and end of selection
 - At selection screen
 - At line selection
 - At user - Command

- Formatting and Displaying Data**
 - Event for page headers and footers
 - Display options

Internal Table Operations

- Subroutines
- Function group and modules
- Logical database
- Variants

Data Transfer Methods

- Upload and download data from / to presentation server
- BDC program
- Call transaction program
- Transaction recorder

Performance Tuning

- Types of program analysis
- Static checks
- Dynamic checks and short dump analysis

ABAP Debugger

- Breakpoints in programs
- Breakpoints in the debugger
- Watchpoints

Performance Tools

- Runtime analysis
- SQL trace