PC/BC400 ABAP Workbench Foundation (3 Day)

Goals

- This course will prepare you to:
    - Learn the fundamental concepts of the ABAP programming language
    - Efficiently use the ABAP Workbench Tools
    - Create simple application programs with user dialogs (list, selection screen, screens, Web Dynpro) and database dialogs (reading from the database)

Audience

- Developer/Developer Consultant/Help Desk / COE Support/ Project Manager

Course based on software release

- ECC6.0 EHP8 SP00 / NW 7.5 SP01

Content

- **Flow of an ABAP Program**
    - Describing the Processing of ABAP Programs

- **ABAP Workbench**
    - Introducing the ABAP Workbench
    - Organizing ABAP Development Projects
    - Developing ABAP Programs
    - Finalizing ABAP Development Projects

- **Basic ABAP Language Elements**
    - Defining Elementary Data Objects
    - Using Basic ABAP Statements
    - Analyzing Programs with the ABAP Debugger

- **Modularization Techniques in ABAP**
    - Explaining Modularization
    - Defining and Calling Subroutines
    - Calling Function Modules
    - Creating Function Modules
    - Describing Business Application Programming Interfaces (BAPIs)
    - Calling Methods of Global Classes
    - Creating Global Classes and Static Methods
    - Using Local Classes

- **Complex Data Objects**
  - Using Structured Data Objects
  - Using Internal Tables

- **Data Modeling and Data Retrieval**
  - Explaining Data Models
  - Retrieving Single Database Records
  - Retrieving Multiple Database Records
  - Describing Other Aspects of Database Access
  - Implementing Authorization Checks

- **Classic ABAP Reports**
  - Implementing ABAP Lists
  - Implementing Selection Screens
  - Implementing Events of ABAP Reports

- **Screens**
  - Creating Screens
  - Creating Input and Output Fields
  - Implementing Data Transport

- **SAP List Viewer**
  - Using the SAP List Viewer

- **Web Dynpro ABAP**
  - Describing Web Dynpro ABAP
  - Implementing Navigation in Web Dynpro
  - Implementing Data Transport in Web Dynpro

- **Program Analysis Tools**
  - Improving the Quality of ABAP Code with the Code Inspector

- **ABAP Development Tools for SAP NetWeaver**
  - Describing ABAP Development Tools for SAP NetWeaver
  - Creating an ABAP Project in Eclipse

- **SAP Standard Software Adjustments**
  - Adjusting the SAP Standard Software