



PC/BC405 Programming ABAP Reports (3 Day)

Goals

- This course will prepare you to:
 - Develop reports
 - Create selections screens to enter restrictions for the data retrieval
 - Implement the retrieval for data stored on one or multiple database tables
 - Display data using the SAP List Viewer

Audience

- Developer
- Developer Consultant

Prerequisites

Essential

- BC400

Course based on software release

- ECC6.0 EHP8 SP00/NW 7.5 SP01

Content

- **Introduction to ABAP Reports**
 - Using Standard Reports
 - Implementing a Simple List
- **Selection Screens**
 - Implementing a Selection Screen
 - Implementing Multiple Selection Screens
 - Implementing Input Checks and Creating Variants
 - Modifying the Selection Screen at Runtime
- **SAP List Viewer (ALV) Creation**
 - Using ALV Functionality
 - Preparing the Container Screen for an ALV Grid Control
 - Displaying Data using an ALV Grid
- **ALV Design**
 - Programming Layout Variant Functionality in the ALV Grid
 - Changing the Layout of the ALV Grid
 - Adapting the Appearance of the ALV Grid



- Adapting the ALV Grid Control using the Field Catalog
- **ALV Events and Methods**
 - Handling Events of the ALV Grid Control
 - Handling Additional Events of the ALV Grid
 - Calling Additional Methods of the ALV Grid
 - Implementing Context Menus for the ALV Grid
- **Data Retrieval With Logical Databases**
 - Explaining the Functionality of Logical Databases
 - Retrieving Data using Logical Databases
 - Using Advanced Functionality of Logical Databases
- **Data Retrieval Without Logical Databases**
 - Reading Data from Multiple Database Tables
 - Implementing Aggregate Functions and Grouping in a SELECT Statement
 - Implementing HAVING and ORDER BY Clauses in SELECT Statements
- **The Call of Other Programs from ABAP Reports**
 - Calling Programs and Passing Data
- **Background Processing**
 - Performing Background Processing
- **ALV Object Model (OM)**
 - Displaying Data with the ALV Object Model
 - Adapting the ALV Object Model Output
 - Adapting the Properties of an ALV