

ABAP TAW10

- Understand the SAP NetWeaver AS fundamentals
- Work with the ABAP Workbench tools
- Write simple ABAP programs
- Understand the ABAP Dictionary

Audience

- Developer
- Development consultant

Prerequisites

Essential

- Programming experience in another programming language

Course based on software release

- SAP NetWeaver 7.4

Content

- SAP NetWeaver Application Server fundamentals:
 - SAP Systems and SAP Applications Portfolio
 - SAPGUI and navigation in AS ABAP systems
 - System Core
 - Communication and integration technologies
- ABAP Workbench Foundations:
 - ABAP program processing

- ABAP Workbench tools
- ABAP language basics, Open SQL
- Modularization techniques
- Complex data objects, structures and internal tables
- Data modeling and data retrieval
- Classic ABAP reports
- Program analysis tools
- Program calls and memory management
- ABAP Dictionary:
 - Domains, data elements, structures
 - Transparent tables, pool tables and cluster tables
 - Input checks
 - Dictionary object dependencies
 - Changes in table structure
 - Views
 - Search helps
- Classical UI programming:
 - Selection screens
 - Screens (dynpros)

TAW12

Goals

- Write object oriented programs with ABAP
- Understand the techniques in enhancements and modifications

- Create simple Web Dynpro for ABAP applications

Audience

- Developer
- Development consultant

Prerequisites

Essential

- [TAW10](#) ABAP Basics or relevant working experience in ABAP

Course based on software release

- SAP NetWeaver 7.4

Content

- ABAP Objects:
 - Object-Oriented Programming
 - Fundamental Object-Oriented syntax
 - Inheritance and casting
 - Interfaces and casting
 - Events
 - Global Classes and Interfaces
 - Exception handling
 - ABAP Object-Oriented examples – ALV and BAdIs
 - Abstract classes, factory methods, singletons
- Shared Objects and shared memory areas
- Dynamic programming:
 - Generic data types
 - Field symbols and data references
 - Runtime Type Identification (RTTI)
 - Runtime Type Creation (RTTC)

- Enhancements and modifications:
 - Adjustment of SAP Standard Software
 - Enhancing Dictionary elements
 - Customer Exits
 - Business Add Ins (BAIs)
 - Modifications of the SAP standard applications
 - Implicit and Explicit Enhancements
- Fundamentals of Web Dynpro for ABAP
 - Web Dynpro Components, Windows and Views
 - Web Dynpro Controllers
 - Web Dynpro Context
 - Web Dynpro User Interface
 - Controller and Context programming
- Certification test to become an SAP Certified Development Associate – ABAP with SAP NetWeaver 7.4