TOC – SAP ABAP WORK BENCH FUNDAMENTALS (TAW10) & CONCEPTS (TAW12)

FUNDAMENTALS (TAW10) Course based on software release ECC6.0 EHP8 SP00/NW 7.5 SP01

- 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 programme processing
    - ABAP Workbench tools
    - ABAP language basics, Open SQL
    - Modularization techniques
    - Complex data objects, structures and internal tables
    - Data modelling and data retrieval
    - Classic ABAP reports
    - Programme analysis tools
    - Programme 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)

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CONCEPTS (TAW12) Course based on software release ECC6.0 EHP8 SP00/NW 7.5 SP01

- 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 and 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 (BAdIs)
    - 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 Context
    - Controller and Context programming

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