

HA400

ABAP Programming for SAP HANA

Product Group	:	
Solution	:	SAP HANA
Sub-solution	:	
Component	:	
Delivery Methods	:	Certification
Level	:	Details, Configuration & Transaction
Exam	:	
Sample Questions	:	PDF Link
Cut Score	:	
Duration	:	3 days
Languages	:	English

Prerequisites

Essential

- Course participants should have the following knowledge:
- [HA100](#) BC400 BC401
- Experience in ABAP Programming (procedural and object oriented) ,
- Open SQL Details (joins, view, aggregations)

Recommended

- HA150 BC404

Course based on software release

- HANA 1.0 SPS08, Application Server ABAP 7.40 SPS9

Content

- Technical concepts of SAP HANA
- Introduction to HANA Studio
- Introduction to ADT (ABAP Development Tools, also known as ABAP in Eclipse)
- Tools to detect potential functional and performance issues when migrating to SAP HANA: Code Inspector and ABAP Test Cockpit, ABAP Trace and ABAP Profiler, SQL Trace
- Tools to prioritize performance issues: SQL Monitor, SQL Performance Tuning Work list
- Performance Rules and Guidelines for ABAP in the context of SAP HANA
- Optimizing ABAP by accessing SAP HANA as a Secondary Database:
 - Using native SQL and ADBC (ABAP Data Base Connectivity)
 - Consuming SAP HANA views and database procedures in ABAP using native SQL and ADBC
- Optimizing ABAP using SAP HANA as Primary Database:
 - Using New Open SQL
 - Defining advanced views using Core Data Services (CDS) and CDS Associations in ABAP
 - Creating, using and debugging ABAP Managed Database Procedures
 - Creating and using External Views
 - HANA Transport Container
- Using SAP HANA Fuzzy Search in ABAP
- Enabling input fields for Type-Ahead search.
- SAP List Viewer (ALV) for SAP HANA