



Course Overview

- This course is based on software release SAP ECC 6.07 (SAP Net Weaver 7.40) for ABAP and HANA 1.0 for SAP HANA.
- The ABAP Workbench Foundations programming and SAP HANA courses require that you understand the content of this basic course.

Who is the target audience?

- Everyone
- Developers, consultants looking to upgrade their skillsets
- Beginners through to season SAP Consultants
- SAP Functional Consultants looking to learn ABAP skills
- College Students interested to get ahead with their studies

What You'll Learn?

Course is distributed as below:

ABAP

- SAP ABAP programming with sample ABAP code
- ABAP artifact creation/ Debug/ Test/ Troubleshoot techniques.
- ABAP RECIF (R=Reports, Enhancements, C=conversions, I=Interfaces, F=forms) concepts with example.

HANA

- SAP HANA introduction with HANA artifacts with sample examples.
- HANA artifact creation/ Debug/ Test/ Troubleshoot techniques.
- Software development for HANA database.
- ABAP development for SAP HANA.

SAP HANA Course overview

In-memory database management overview

- OLTP vs. OLAP
- Dictionary encoding & compression, data aging, data layout in memory, merge, join, Scan performance, Aggregate Functions, Database Indices, Parallel Data Processing
- Logging and Recovery (Logging for Dictionary-Encoded Columns), Replication



- Data aging (Data Aging vs. Data Archiving and Hot data vs. cold data)

Introduction to SAP HANA

- SAP HANA Overview
- Why to Choose SAP HANA?
- SAP HANA Hardware Partners
- SAP HANA Landscape
- Get Free Access to SAP HANA Server

SAP HANA Architecture

- SAP HANA Architecture Overview
- Advance Information on SAP HANA Architecture
- 2.3 Row Store Vs Column Store
- 2.4 SAP HANA Backup and Recovery

SAP HANA Studio

- SAP HANA Studio Overview
- Download and Install SAP HANA Studio
- Add an HANA System in SAP HANA Studio
- SAP HANA Studio Perspectives

Reporting on SAP HANA

- Reporting on SAP HANA - Overview
- Using Excel for Reporting on SAP HANA

SAP HANA Advanced Modelling

- Create advanced data models in HANA
- Work on SQL Script and Procedure
- Understand how views and procedures work behind the scene
- Create Analytic Privilege to secure the modelling views
- Do performance tune of the modelling views and procedures

SAP HANA Modelling



- SAP HANA Modelling Introduction
- Introduction to Star Schema
- Attributes and Measures in SAP HANA
- Working with Tables
- Attribute View
- Build Your First Attribute View
- Analytic View Overview
- Build Your First Analytic View
- Overview of Calculation View
- Build Your First Graphical Calculation View
- Build Your First Scripted Calculation View
- Modeller Perspective Revisited

Modelling Views

Analytic Privilege

System Schemas and Their Importance

SQL Script

Procedure

HANA Performance Guidelines