

ABAP Performance Tuning for SAP S/4HANA

Course Summary

Objectives

At the end of this course, students will be able to:

- Learn to monitor and analyze the performance of SAP S/4HANA ABAP programs in context with the system resources.
- Learn to optimize database accesses and SAP S/4HANA ABAP processing.
- Learn to work with essential tools like SAP S/4HANA ABAP run time analysis, SQLM and SQL trace, workload analysis, code inspector, etc.
- Explain and perform troubleshooting common issues.

Topics

- Architecture of SAP Application Server (AS) ABAP
- Performance Analysis
- HANA Database Access
- Programming HANA Database Access
- Database Table Buffering
- Data Object Buffering
- Internal Tables

Audience

Those who can benefit from the ABAP Performance Tuning Course include:

- Enterprise Architect
- Solution Architect
- System Administrator
- System Architect
- Technology Consultant

Prerequisites

Essential:

- Introduction to ABAP Programming on SAP S4/HANA, **OR** ABAP Workbench Foundations
- Programming experience in SAP S/4HANA ABAP Programming

Recommended:

- Technology Fundamentals for SAP S/4HANA and SAP Business Suite

Duration

Five days

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Course Outline

- I. Architecture of SAP Application Server (AS) ABAP*
- II. Performance Analysis*
- III. HANA Database Access*
- IV. Programming HANA Database Access*
- V. Database Table Buffering*
- VI. Data Objects*
- VII. Internal Tables*
- VIII. Remote Function Calls*