XCELERATE TRAINING INSTITUTE

your learning & development partner

INFORMATION TECHNOLOGY

SAP ABAP on HANA

DURATION	LANGUAGE	FORMAT
10 days	**English**	**Classroom / Online**

Upcoming dates

Dates	Venue	Format	Fee
22 Feb – 5 Mar 2027	Live online	Online (live)	**€1,800**
2 – 13 Aug 2027	Live online	Online (live)	**€1,800**
6 – 17 Sep 2027	Istanbul	Classroom	**€7,200**

Register or ask a question

Online: staging.x8ti.com/course/sap-abap-on-hana/

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SAP ABAP on HANA

Introduction

This course by Xcelerate Training Institutes introduces the fundamentals of building robust business solutions using SAP's advanced technology. By combining ABAP programming with the power of SAP HANA, you'll learn how to create innovative applications. This course is designed to bridge the gap between traditional ABAP development and the new world of SAP HANA, providing practical guidance for both new and existing projects.

Learning Objectives

- Efficiently identifying and resolving issues in SAP landscapes.
- Preventing system downtime and ensuring service level agreements (SLAs).
- Continuously improving SAP performance and response times.
- Streamlining monitoring tasks through automation.
- Enabling non-SAP experts to utilize monitoring capabilities.
- Benefiting from a user-friendly configuration interface.
- Leveraging pre-built monitoring libraries.
- Analyzing system usage for capacity planning.
- Monitoring ABAP, Java, HANA, and other instances comprehensively
- Implementing real-time surveillance and generating daily reports.
- Integrating with Net Weaver

Training Methodology

This course by Xcelerate Training Institutes should combine theoretical knowledge with hands-on exercises, focusing on core ABAP concepts, HANA database integration, performance optimization techniques, and development of innovative applications using modern ABAP features. Training should cover topics like CDS views, AMDP, ABAP Managed Database Procedures, and HANA-specific data access methods. Hands-on exercises should involve building real-world scenarios to solidify understanding and practical skills.

Benefits for Your Organisation

This course empowers your organization by significantly enhancing performance, enabling real-time analytics, and simplifying development. By leveraging HANA's in-memory computing capabilities, you can achieve lightning-fast transaction processing speeds and gain instant insights from your data. This empowers you to make informed decisions and respond quickly to market changes. Additionally, ABAP on HANA simplifies development with advanced modeling tools and streamlined data access, reducing development time and effort. This allows your developers to focus on innovation and delivering value to your business.

Benefits for You

SAP ABAP on HANA offers significant advantages by leveraging HANA's in-memory computing capabilities, enabling real-time analytics, faster processing of large datasets, improved application performance, and simplified development with features like CDS views and AMDPs. This empowers businesses to make informed decisions, streamline operations, and gain a competitive edge through innovative applications built on a powerful platform.

Who Should Attend

This training is ideal for ABAP developers and consultants seeking to enhance their skills with SAP HANA.

Course Outline

Features of HANA ABAP

- Understanding SAP HANA ABAP as a fusion of software and hardware for high-speed data processing.
- Exploring the distributed system architecture and column-based data storage.
- Learning about the Memory Computing Engine (IMCE) for real-time data analysis.
- Discovering the benefits of reduced costs, improved performance, and enabling new applications.

SAP HANA Training and Benefits

- Exploring the integration of SAP HANA ABAP with NetWeaver 7.4 for performance enhancements.
- Harnessing the power of HANA for applications like Business Warehouse (BW).
- Understanding the benefits of standard improvements and features like ALV.
- Recognizing the need for database upgrades to leverage new functionalities.

ABAP on HANA: Core Concepts

- Learning how ABAP on HANA enables direct data processing without transformations.
- Understanding the integration of ABAP Data Dictionary with HANA views.
- Enhancing productivity through various tools and techniques available in SAP ABAP.
- Analyzing ABAP code performance and utilizing database-oriented programming features.

ABAP and HANA: A Powerful Combination

- Discovering the versatility of ABAP in building diverse SAP applications.
- Exploring the potential of SAP HANA ABAP for innovation and advanced solutions.
- Understanding the integration of ABAP and SAP HANA ABAP through support package stacks.

Hands-On with ABAP in Eclipse

- Exploring productivity features in the Eclipse-based ABAP development environment.
- Gaining practical experience through scenario-based learning.
- Accessing hands-on materials and server resources.
- Benefitting from customized course agendas and live support during online sessions.

ABAP Development Environment Setup

- Getting familiar with the ABAP development environment in Eclipse.

- Adding and managing systems in HANA.
- Creating packages in HANA.
- Configuring the Eclipse environment for ABAP development.
- Understanding the ABAP perspective in SAP HANA.

Coding Guidelines and Performance Optimization

- Adhering to coding best practices for ABAP on HANA.
- Analyzing performance impact and identifying SQL footprints.
- Optimizing performance through performance analysis.
- Exploring ALV for HANA and other enhancements.

Leveraging SAP HANA in ABAP

- Utilizing SAP HANA within ABAP applications.
- Working with core data services.
- Integrating ALV with HANA for data access.
- Using core data services with input parameters.

ABAP Programming Fundamentals

- Building a foundation in ABAP programming and Open SQL.
- Enhancing basic programming skills.

Data Visualization and Functions

- Visualizing data effectively.
- Utilizing functions for data manipulation and processing.

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Registration Form

SAP ABAP on HANA

Preferred dates: ..... Venue or online: .....

Duration: 10 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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