



مركز الوقت للتدريب  
Time Training Center

## **SAP HANA INTRODUCTION COURSE**



## Introduction

This beginner-level course introduces participants to SAP HANA, a groundbreaking in-memory computing platform that enables real-time data processing, analytics, and application development. Designed for professionals exploring the SAP ecosystem, this course covers core concepts such as architecture, deployment, data modeling, and real-world applications. With hands-on demonstrations and real-world case studies, learners gain the foundational knowledge needed to work effectively with SAP HANA in modern business environments.

## Learning Objectives

- Understand SAP HANA architecture and components
- Explore deployment options and integration scenarios
- Perform basic data modeling and provisioning
- Use SAP HANA tools for monitoring and administration
- Connect SAP HANA to analytics and reporting platforms
- Apply knowledge to real-time business scenarios

## Course Details

Mode of Training	Classroom or Online
Duration	5 Days

## Who Should Attend

- SAP consultants and technical developers
- Database administrators new to SAP systems
- Business analysts and BI professionals
- IT professionals exploring SAP capabilities
- Anyone transitioning into in-memory computing

## Certificate(s)

Participants who complete a minimum of 80% of the total training hours will receive a **Certificate of Completion** issued by **Time Training Center**. This certificate reflects their active participation and commitment to professional development in the relevant field.



## Course Outline

### Module 1: Overview of SAP HANA

- Introduction to SAP HANA
- Evolution of SAP HANA and In-Memory Computing
- Key Features and Benefits
- Understanding SAP HANA Use Cases

### Module 2: SAP HANA Architecture

- SAP HANA System Landscape
- Key Components: Index Server, Name Server, Preprocessor
- Row Store vs Column Store
- Persistence Layer and Data Compression
- Parallel Processing & Multitenant Database Containers (MDC)

### Module 3: Deployment Scenarios

- SAP HANA as a Database
- SAP HANA as a Platform
- Deployment Options: On-Premise, Cloud, and Hybrid
- Integration with SAP and Non-SAP Applications

### Module 4: SAP HANA Studio & Administration Tools

- Introduction to SAP HANA Studio
- System Monitoring & Performance Tools
- HANA Cockpit Overview
- User Management and Role Assignments

### Module 5: Data Modeling in SAP HANA

- Basics of Data Modeling
- Attribute Views, Analytic Views, and Calculation Views
- Star Schema Modeling Concepts
- Joins, Filters, and Calculated Columns



## **Module 6: Data Provisioning Techniques**

- Methods to Load Data into SAP HANA
- Overview of SLT (SAP Landscape Transformation)
- Data Services and Smart Data Integration (SDI)
- Importing Data from Flat Files

## **Module 7: Reporting on SAP HANA**

- Connecting SAP HANA to Reporting Tools
- Introduction to SAP Lumira and SAP Analytics Cloud
- Using Microsoft Excel with HANA
- Basics of SQL in HANA for Reporting

## **Module 8: SAP HANA Ecosystem & Real-Time Applications**

- Overview of SAP S/4HANA
- SAP Fiori and UX Integration
- Predictive Analytics and IoT Applications
- Business Case Scenarios with HANA



## Methodology

We employ a comprehensive and applied learning strategy, integrating theory with real-world implementation:

- ❖ **Conceptual Learning:** Expert-led sessions on catalytic theory and engineering principles
- ❖ **Interactive Workshops:** Group exercises, presentations, and technical discussion forums
- ❖ **Case-Based Learning:** Industry-specific examples and troubleshooting scenarios
- ❖ **Technology Integration:** Digital tools, simulations, and catalyst modeling applications
- ❖ **Assessment:** Pre-tests, post-tests, and Competence Validation Exams for Certified courses to ensure knowledge transfer and skills validation

***Note: Instructors may adjust the training approach to fit technical requirements or participant engagement levels.***

## Instructors

Our SAP HANA trainers are certified professionals with deep technical and functional knowledge of SAP solutions. They bring over a decade of hands-on experience in implementing SAP systems across diverse industries. With expertise in in-memory computing, database management, and business intelligence, our instructors ensure that participants gain practical insights through real-life examples. Detailed trainer profiles will be shared upon request.

## About Time Training Center

Time Training Center is a leading professional training institute in Abu Dhabi that provides students and professionals with quality education and skill development programs. Time Training Center is accredited by the Abu Dhabi Center for Technical Vocational Education & Training (ACTVET) with a specialization in Computer and Management Training programs and certified by QA QC with ISO 9001:2015.

Operating in Abu Dhabi for over 3 decades, Time Training Center has established brand value as a high-quality Management & Technical Training Center in Abu Dhabi. We have also secured strong loyalty from corporate companies and associations with our holistic and practical teaching approach.

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**Contact us at**  
**Time Training Center**  
**Office 901**  
**Khalaf Al Otaiba Tower,**  
**Electra Street - Abu Dhabi - United Arab Emirates**  
**Phone: +97126713828**  
**Whatsapp: +971558564000**  
**E-mail: info@timetraining.ae**