Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

ENTERPRISE RESOURCE PLANNING (ERP)

SAP HANA Database Essentials for ERP Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 21, 2026

Academic & Professional Training Year: 2026

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SAP HANA Database Essentials for ERP Training Course

Enterprise Resource Planning (ERP) • 5 Days Intensive • Accredited Certification

Course Overview

SAP HANA Database Essentials for ERP Training Course equips professionals with the knowledge and skills required to harness the full potential of SAP HANA, ensuring enhanced database performance, seamless ERP integration, and improved business agility.

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
29 Dec 2025 – 2 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Dec 2025 – 2 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Jan 2026 – 9 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

SAP HANA Database Essentials for ERP Training Course

Introduction

SAP HANA has revolutionized enterprise resource planning (ERP) by enabling real-time data processing, high-speed analytics, and intelligent decision-making. Organizations worldwide are leveraging SAP HANA's in-memory computing to optimize business operations, streamline workflows, and gain actionable insights. SAP HANA Database Essentials for ERP Training Course equips professionals with the knowledge and skills required to harness the full potential of SAP HANA, ensuring enhanced database performance, seamless ERP integration, and improved business agility.

Designed for IT professionals, ERP consultants, and database administrators, this course emphasizes hands-on experience, practical case studies, and real-world scenarios. Participants will gain expertise in core SAP HANA concepts, database modeling, performance optimization, and data management strategies. By the end of this program, learners will be confident in implementing and managing SAP HANA databases to drive ERP success and support data-driven enterprise transformations.

Course Duration

5 days

Course Objectives

By the end of this course, participants will be able to:

- Understand SAP HANA architecture and in-memory computing fundamentals.
- Implement efficient data modeling techniques for ERP applications.

- Optimize database performance and query execution.
- Manage data provisioning and replication using SAP HANA tools.
- Utilize advanced analytics and reporting capabilities in HANA.
- Administer SAP HANA security, roles, and authorization concepts.
- Perform backup, recovery, and high availability configurations.
- Integrate SAP HANA with SAP ERP modules for seamless workflows.
- Explore SAP HANA Studio, Web IDE, and database client tools.
- Apply best practices for real-time data processing and optimization.
- Leverage predictive analytics and machine learning on SAP HANA.
- Analyze and troubleshoot SAP HANA database performance issues.
- Gain hands-on experience through ERP-centric case studies and exercises.

Target Audience

- SAP ERP Consultants
- Database Administrators (DBAs)
- IT Managers and Analysts
- SAP Functional Consultants
- Data Engineers and Data Analysts
- System Integrators
- Business Intelligence (BI) Professionals
- SAP Project Managers

Course Modules

Module 1: Introduction to SAP HANA

- Overview of SAP HANA architecture and components
- In-memory computing principles
- SAP HANA editions and deployment options
- SAP HANA vs. traditional databases
- Case Study: Real-time inventory management in retail ERP

Module 2: Data Modeling in SAP HANA

- Attribute views, analytic views, and calculation views
- Core Data Services (CDS) modeling
- SQLScript for advanced modeling
- Data modeling best practices
- Case Study: Financial reporting optimization in SAP ERP

Module 3: SAP HANA Administration

- HANA Studio and Web IDE overview
- User management and role assignment
- Monitoring database performance
- Backup, recovery, and system replication
- Case Study: HR module database administration

Module 4: Data Provisioning and Integration

- SAP Data Services overview
- SLT, SDA, and SDI integration methods
- Real-time and batch data replication
- Data quality and transformation best practices
- Case Study: Supply chain data integration

Module 5: Performance Optimization

- SQL query optimization techniques
- Indexing and partitioning strategies

- Memory and cache management
- Performance monitoring tools and dashboards
- Case Study: ERP order-to-cash performance tuning

Module 6: Security and Compliance

- Authentication and authorization
- Encryption and data protection
- Audit logging and compliance
- Security best practices for ERP
- Case Study: Securing financial transactions in SAP ERP

Module 7: Advanced Analytics and Reporting

- Real-time reporting with SAP HANA
- Predictive analytics integration
- Analytical views and dashboards
- HANA live data connectivity
- Case Study: Sales forecasting and analytics

Module 8: Hands-on ERP Case Studies & Capstone

- End-to-end ERP database scenario exercises
- Troubleshooting common database issues
- Optimizing database for multi-module ERP
- Case Study: Implementing a high-performance ERP HANA database
- Presentation and knowledge sharing

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/sap-hana-database-essentials-for-erp-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.