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)

Performance Tuning for ERP Applications 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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Performance Tuning for ERP Applications Training Course

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

Course Overview

Performance Tuning for ERP Applications Training Course focuses on equipping professionals with advanced skills to optimize ERP applications, ensure scalability, and achieve high-performance benchmarks, thereby enhancing business productivity and operational excellence.

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

Performance Tuning for ERP Applications Training Course

Introduction

Enterprise Resource Planning (ERP) systems are the backbone of modern business operations, integrating key functions like finance, supply chain, HR, and procurement into a unified platform. However, the growing complexity of ERP applications can lead to performance bottlenecks, slow transaction processing, and system downtime, directly affecting organizational efficiency. Performance tuning is no longer optional—it is a strategic necessity. Performance Tuning for ERP Applications Training Course focuses on equipping professionals with advanced skills to optimize ERP applications, ensure scalability, and achieve high-performance benchmarks, thereby enhancing business productivity and operational excellence.

In today's fast-paced digital landscape, ERP performance is a critical differentiator for enterprises seeking agility and efficiency. This course leverages real-world scenarios, hands-on exercises, and case studies from leading ERP platforms like SAP, Oracle, and Microsoft Dynamics to provide participants with practical insights and measurable outcomes. Participants will gain expertise in database optimization, code profiling, system monitoring, and proactive performance management, empowering them to identify bottlenecks, implement best practices, and drive enterprise-wide performance improvements.

Course Duration

5 days

Course Objectives

- Understand ERP system architecture and performance fundamentals.

- Analyze and identify performance bottlenecks in ERP environments.
- Master SQL query optimization and indexing techniques for ERP databases.
- Apply memory and resource management strategies for high-performance ERP.
- Perform real-time monitoring of ERP system performance metrics.
- Utilize profiling tools to optimize custom ERP code and workflows.
- Implement batch processing optimization for large-scale ERP transactions.
- Apply caching and data retrieval optimization techniques.
- Optimize ERP integrations with third-party applications.
- Design proactive performance tuning strategies and dashboards.
- Conduct stress testing and load testing for ERP applications.
- Implement automated alerting and performance anomaly detection.
- Develop actionable reporting for continuous ERP performance improvement.

Target Audience

- ERP Administrators
- IT Managers
- System Architects
- Database Administrators (DBAs)
- Application Developers
- ERP Consultants
- Performance Engineers
- Business Analysts supporting ERP systems

Course Modules

Module 1: ERP Performance Fundamentals

- Overview of ERP architecture and components
- Key performance metrics for ERP applications
- Understanding bottlenecks and latency issues
- Case Study: SAP ECC system performance analysis
- Benchmarking ERP transactions

Module 2: Database Optimization for ERP

- SQL query tuning and indexing strategies
- Data partitioning and archiving for high performance
- Memory management in ERP databases
- Case Study: Oracle ERP database optimization
- Query profiling and optimization exercises

Module 3: Code & Workflow Profiling

- Profiling custom ERP ABAP/PLSQL/NetWeaver code
- Optimizing workflows and background jobs
- Reducing transaction response times
- Case Study: Custom module optimization in Microsoft Dynamics
- ERP code profiling exercises

Module 4: Monitoring & Metrics

- Real-time system monitoring tools
- KPI dashboards for ERP performance
- Resource usage and capacity planning
- Case Study: Monitoring SAP S/4HANA system performance
- Configuring monitoring dashboards

Module 5: Batch Processing & Job Scheduling

- Identifying bottlenecks in batch processing

- Optimizing background jobs and scheduling
- Managing large-scale transaction loads
- Case Study: Batch processing optimization in Oracle ERP
- Job scheduling optimization exercise

Module 6: ERP Integration Optimization

- Performance impact of third-party integrations
- API and middleware performance tuning
- Data transfer and synchronization optimization
- Case Study: Performance tuning of ERP-SCM integration
- API load testing and optimization

Module 7: Stress & Load Testing

- Designing ERP stress test scenarios
- Load balancing and concurrency management
- Analyzing system resilience under peak loads
- Case Study: SAP HANA load testing in a retail ERP
- Conducting stress tests and interpreting results

Module 8: Proactive Performance Management

- Implementing automated alerts and anomaly detection
- Continuous performance improvement strategies
- Reporting and visualization of performance trends
- Case Study: ERP performance improvement roadmap
- Setting up proactive monitoring workflows

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/performance-tuning-for-erp-applications-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.