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)

ERP Security 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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ERP Security Training Course

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

Course Overview

ERP Security Training Course is designed to empower participants with comprehensive knowledge of ERP security frameworks, risk assessment strategies, and compliance best practices.

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

ERP Security Training Course

Introduction

Enterprise Resource Planning (ERP) systems are the backbone of modern business operations, integrating finance, human resources, supply chain, and customer relationship management into a unified platform. As organizations increasingly rely on ERP solutions like SAP, Oracle, and Microsoft Dynamics, the importance of robust ERP security has never been higher. Cyber threats, data breaches, and insider risks pose significant challenges, making ERP security expertise a critical asset for IT professionals and business leaders alike. ERP Security Training Course is designed to empower participants with comprehensive knowledge of ERP security frameworks, risk assessment strategies, and compliance best practices.

In this intensive course, learners will explore the latest ERP security trends, including cloud security, role-based access controls, identity management, and real-time threat monitoring. Practical case studies, hands-on labs, and scenario-based exercises ensure participants can implement effective security policies and defend ERP ecosystems from emerging cyber threats. By the end of the program, participants will be equipped to secure critical business data, mitigate vulnerabilities, and ensure regulatory compliance, enabling organizations to operate safely in today's digital environment.

Course Duration

5 days

Course Objectives

By the end of this ERP Security Training, participants will be able to:

- Understand ERP security fundamentals and industry best practices.
- Implement role-based access control (RBAC) in ERP systems.
- Conduct vulnerability assessments and penetration testing in ERP environments.
- Configure audit logging and monitor ERP transactions for suspicious activities.
- Apply security policies for SAP, Oracle, and Microsoft Dynamics platforms.
- Manage identity and access management (IAM) within ERP systems.
- Secure ERP cloud deployments and hybrid infrastructure.
- Detect and respond to insider threats and fraud attempts.
- Ensure compliance with GDPR, SOX, HIPAA, and other regulations.
- Implement encryption, multi-factor authentication (MFA), and data masking.
- Analyze real-world ERP security breaches and mitigation strategies.
- Design a comprehensive ERP security framework for enterprises.
- Stay updated on emerging trends in AI-driven threat detection and zero-trust architectures.

Target Audience

- IT Security Professionals
- ERP Administrators and Consultants
- System Auditors and Compliance Officers
- Risk Management Specialists
- Cloud Security Engineers
- IT Managers and CIOs
- Data Privacy Officers
- Business Analysts focusing on ERP systems

Course Modules

Module 1: Introduction to ERP Security

- Overview of ERP systems and business impact
- Understanding common ERP threats and vulnerabilities
- Security frameworks and standards for ERP systems
- Case Study: Analysis of SAP security breach in a manufacturing company
- Security assessment methodology

Module 2: Role-Based Access Control (RBAC)

- Principles of RBAC and segregation of duties (SoD)
- Designing user roles and permission strategies
- Conflict detection and mitigation
- Case Study: Role conflict resolution in Oracle ERP
- Hands-on RBAC implementation

Module 3: Identity and Access Management (IAM)

- User provisioning and lifecycle management
- Single Sign-On (SSO) and Multi-Factor Authentication (MFA)
- Integrating IAM with cloud ERP solutions
- Case Study: Identity governance in a multinational organization
- Best practices for secure access management

Module 4: ERP Security Monitoring and Audit

- Configuring audit logs and monitoring tools
- Detecting suspicious transactions in real time
- Security dashboards and reporting
- Case Study: Fraud detection in a retail ERP system
- Threat response and incident management

Module 5: ERP Vulnerability Assessment & Pen Testing

- ERP-specific penetration testing techniques
- Vulnerability scanning and reporting
- Security patch management
- Case Study: Oracle ERP vulnerability assessment
- Remediation strategies

Module 6: Cloud ERP Security

- Securing SaaS and hybrid ERP deployments
- Data encryption and secure communication protocols
- Compliance challenges in cloud ERP
- Case Study: Cloud ERP implementation security in finance sector
- Cloud security tools and best practices

Module 7: Regulatory Compliance & Risk Management

- GDPR, SOX, HIPAA, and other regulations
- ERP risk assessment frameworks
- Security policy development and enforcement
- Case Study: Compliance strategy in a healthcare ERP system
- Continuous auditing and risk monitoring

Module 8: Advanced Threat Detection & Future Trends

- AI-driven threat detection and predictive analytics
- Zero-trust architecture in ERP security
- Incident response and disaster recovery planning
- Case Study: Implementing AI threat monitoring in SAP
- Emerging trends and continuous learning

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/erp-security-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.