ERP Security & Fraud Prevention: Safeguarding Systems

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Online



ERP Security & Fraud Prevention: Safeguarding Systems

Ref: 20220326_222109 Duration: Online Fees: 2700 GBP

Course Description

This intensive 1-week course equips participants with advanced knowledge and skills in ERP system security and fraud prevention. Covering both preventive and detective controls, the course explores access management, encryption, anomaly detection, and audit trails. Participants will gain practical experience in implementing robust security measures and developing fraud prevention strategies for ERP environments.

Learning Objectives

- Understand ERP security risks and implement effective prevention strategies
- Master access management and encryption techniques for ERP data protection
- Develop skills in anomaly detection and user behavior analytics
- Learn to establish and maintain comprehensive audit trails
- Gain proficiency in fraud prevention and detection within ERP systems

Course Modules

Day 1: Introduction to ERP Security

- Overview of ERP systems and security challenges
- Risk assessment in ERP environments
- Regulatory compliance and security standards
- Building a comprehensive ERP security strategy

Day 2: Access Management and Authentication

- Implementing role-based access control RBAC
- Multi-factor authentication best practices
- Segregation of duties SoD principles
- User provisioning and de-provisioning processes

Day 3: Data Protection and Encryption

- Data classification and handling procedures
- Encryption techniques for data at rest and in transit
- Secure configuration methods for ERP systems
- Patch management and system updates



Day 4: Monitoring and Detection

- Implementing effective logging and monitoring systems
- Anomaly detection and user behavior analytics
- Security information and event management SIEM integration
- Incident response planning for ERP environments

Day 5: Fraud Prevention and Auditing

- Common fraud schemes in ERP systems
- Designing and implementing internal controls
- Audit trail management and analysis
- Continuous monitoring and fraud detection techniques

Practical Wins for Participants

- Ability to conduct comprehensive ERP security risk assessments
- Skills to implement robust access management and data protection measures
- Proficiency in setting up effective monitoring and detection systems
- Capability to design and maintain fraud prevention strategies for ERP environments

