Incident Response for ERP Security Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Enterprise Resource Planning (ERP) systems are the backbone of modern organizations, integrating critical business processes such as finance, supply chain, HR, and procurement. However, ERP platforms are increasingly targeted by cybercriminals due to the high-value data they store and the complex nature of their integrations. Organizations face growing threats, from ransomware and insider threats to zero-day exploits, making robust incident response strategies vital. Incident Response for ERP Security Training Course equips security professionals with the skills to proactively detect, respond to, and mitigate ERP-specific security incidents, ensuring minimal business disruption and compliance with global security standards.

This training is designed to provide practical, hands-on experience with ERP security incident management. Participants will gain expertise in threat detection, vulnerability assessment, forensic investigation, and post-incident recovery, specifically tailored to ERP environments such as SAP, Oracle, and Microsoft Dynamics. By leveraging real-world case studies, advanced detection tools, and proactive response strategies, attendees will be prepared to strengthen their organization's cyber resilience, regulatory compliance, and operational continuity.

Programme Curriculum

Incident Response for ERP Security Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Understand ERP security threats, vulnerabilities, and attack vectors.
2. Develop proactive incident detection strategies for ERP systems.
3. Implement ERP-specific forensic investigation techniques.
4. Build a structured incident response plan aligned with business continuity goals.
5. Gain hands-on experience with security monitoring tools for ERP environments.
6. Learn to analyze logs, alerts, and system anomalies for early threat detection.
7. Mitigate insider threats and privilege misuse in ERP systems.
8. Understand ransomware defense and recovery strategies for ERP platforms.
9. Conduct post-incident analysis and reporting to improve security posture.
10. Apply best practices for ERP vulnerability management and patching.
11. Enhance cross-functional collaboration between IT, security, and business units.
12. Learn to comply with regulatory requirements such as GDPR, SOX, and ISO 27001.
13. Strengthen organizational cyber resilience against evolving ERP threats.

Target Audience

1. ERP Security Analysts
2. IT Security Managers
3. Incident Response Teams
4. SAP/Oracle/Microsoft Dynamics Administrators
5. Compliance and Risk Officers
6. Security Consultants
7. SOC Analysts focusing on ERP systems
8. IT Auditors and Governance Professionals

Course Modules

Module 1: ERP Security Landscape

- Overview of ERP platforms and architectures
- Common ERP security threats and vulnerabilities
- Case Study: SAP HANA ransomware attack
- Key security frameworks and standards

- Emerging trends in ERP cybersecurity

Module 2: Incident Response Fundamentals

- Incident response lifecycle in ERP environments
- Roles and responsibilities of ERP security teams
- Prioritization of incidents based on business impact
- Case Study: Oracle ERP data breach response
- Integrating incident response with business continuity

Module 3: Threat Detection & Monitoring

- Implementing real-time ERP monitoring tools
- Anomaly detection and log analysis
- Threat intelligence integration for ERP systems
- Case Study: Insider threat detection in Microsoft Dynamics
- Automated alerts and reporting mechanisms

Module 4: Forensic Investigation

- Collecting and preserving ERP evidence
- Digital forensics for logs, user activities, and database changes
- Analyzing suspicious transactions and access patterns
- Case Study: SAP unauthorized access investigation
- Reporting and legal considerations

Module 5: Response & Containment

- Containing incidents to minimize damage
- Isolation strategies for affected modules
- Coordinating cross-functional response teams
- Case Study: Containment of malware in Oracle ERP
- Communication protocols during incidents

Module 6: Recovery & Remediation

- Backup strategies and disaster recovery plans
- System patching and vulnerability remediation
- Post-incident system hardening
- Case Study: Recovery from ERP ransomware attack
- Lessons learned and process improvements

Module 7: Compliance & Risk Management

- ERP security policies and regulatory requirements
- Auditing ERP systems for security gaps
- Implementing risk management frameworks
- Case Study: GDPR non-compliance incident in ERP
- Reporting and documentation best practices

Module 8: Advanced ERP Security Practices

- Threat hunting in ERP systems

- AI/ML-based anomaly detection techniques
- Continuous monitoring and automation
- Case Study: Proactive threat hunting in SAP
- Emerging technologies for ERP cyber defense

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@fineskilltrainingcenter.org or call +254769199797

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 Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price

23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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