Training Course on Containment Strategies for Complex Breaches

Professional Development Training Course Outline

Category	Digital Forensics	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s hyper-connected digital landscape, cybersecurity breach containment has become one of the most critical and strategic components of an organization's risk management plan. Training Course on Containment Strategies for Complex Breaches empowers IT security professionals, incident responders, and risk analysts with robust, proactive, and responsive containment techniques to manage sophisticated cyber threats. Through hands-on labs, real-world breach simulations, and case-based learning, participants will gain the knowledge to minimize damage, reduce recovery time, and protect business continuity during and after a complex security breach.

By leveraging trending methodologies in zero trust architecture, forensic analysis, and AI-driven threat intelligence, this training delivers a practical and scalable approach to managing modern cyberattacks. The course integrates industry best practices and frameworks such as NIST, MITRE ATT&CK, and ISO/IEC 27035. By the end of this course, participants will be equipped to lead high-pressure incident response operations, architect resilient security infrastructures, and mitigate future breaches through predictive and behavioral analytics.

Programme Curriculum

Training Course on Containment Strategies for Complex Breaches

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Course Objectives

1. Understand advanced breach containment techniques and response models.
2. Apply real-time threat intelligence to control breach escalation.
3. Master incident response planning and decision-making under pressure.
4. Identify breach scope using digital forensics and malware analysis.
5. Leverage AI-driven threat detection for adaptive containment strategies.
6. Implement zero trust frameworks to prevent lateral movement.
7. Optimize security operations center (SOC) performance during crises.
8. Enforce endpoint detection and response (EDR) and SIEM best practices.
9. Coordinate cross-functional response teams effectively.
10. Analyze legal, regulatory, and compliance impacts post-breach.
11. Build communication plans for breach disclosure and stakeholder trust.
12. Develop breach containment playbooks with automated workflows.
13. Evaluate and improve post-incident review and feedback loops.

Target Audience

1. Chief Information Security Officers (CISOs)
2. Incident Response Team Members
3. Security Analysts and Engineers
4. IT Risk and Compliance Managers
5. Digital Forensics Specialists
6. Enterprise IT Administrators
7. Network Security Architects
8. Cybersecurity Consultants and Trainers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Complex Breaches

- Overview of modern cyber threat landscape
- Differentiating complex breaches from conventional attacks
- Indicators of compromise and attack vectors
- High-profile breach statistics and analysis
- Tools and technologies for early detection
- **Case Study:** SolarWinds attack—Identifying the breach footprint

Module 2: Threat Intelligence for Containment

- Types of threat intelligence: strategic, tactical, operational, and technical
- Integrating CTI into incident response
- Using STIX, TAXII, and TIP platforms
- Aligning with MITRE ATT&CK for adversary behaviors
- Leveraging AI in predictive breach models
- **Case Study:** Capital One breach—How early intel failed

Module 3: Digital Forensics and Root Cause Analysis

- Evidence preservation and chain of custody
- Volatile and non-volatile data acquisition
- Memory forensics and malware unpacking
- Identifying lateral movement and exfiltration routes
- Reporting findings for legal and compliance review
- **Case Study:** Target breach—Tracking the malware lifecycle

Module 4: Zero Trust Containment Architecture

- Principles and layers of Zero Trust
- Identity and access segmentation strategies
- Network micro-segmentation and trust zones
- Integration with existing infrastructure
- Enforcing least privilege and continuous authentication
- **Case Study:** Google BeyondCorp—Applying zero trust effectively

Module 5: Endpoint and Network Containment

- Isolation techniques for infected endpoints
- Live triage tools and containment agents
- Firewall, NAC, and switch-based containment
- Deploying EDR/XDR for autonomous containment
- Protecting lateral movement in hybrid environments
- **Case Study:** Colonial Pipeline—Endpoint vulnerabilities exposed

Module 6: SOC and Playbook-Driven Response

- Optimizing SOC workflows for high-stress scenarios
- Designing and using containment playbooks
- Integrating SOAR platforms for automation
- Alert triaging and escalation protocols
- Metrics for SOC performance and responsiveness
- **Case Study:** Equifax—Lessons on failed coordination

Module 7: Crisis Communication and Compliance

- Notification requirements (GDPR, HIPAA, CCPA)
- Internal vs external stakeholder messaging
- Managing reputational damage
- Working with legal, PR, and compliance teams
- Post-breach audit and documentation essentials
- **Case Study:** Marriott breach—Compliance under scrutiny

Module 8: Post-Incident Review and Learning

- Creating post-incident reports (PIRs)
- Root cause and impact analysis frameworks
- Continuous improvement methodologies
- Updating response protocols and training
- Building a culture of cyber resilience
- **Case Study:** Uber breach—Operational gaps in review

Training Methodology

- Interactive instructor-led sessions with real-time Q&A

- Simulated breach scenarios using live lab environments
- Group exercises and tabletop simulations for teamwork
- Downloadable playbooks and actionable templates
- Case-based discussions to reinforce real-world applications
- Knowledge assessments and final capstone project

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.com 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
07 Sep 2026	11 Sep 2026	Physical	$1,500
14 Sep 2026	18 Sep 2026	Physical	$1,500
21 Sep 2026	25 Sep 2026	Physical	$1,500
28 Sep 2026	02 Oct 2026	Physical	$1,500
05 Oct 2026	09 Oct 2026	Physical	$1,500
12 Oct 2026	16 Oct 2026	Physical	$1,500

Start Date	End Date	Location	Price
19 Oct 2026	23 Oct 2026	Physical	$1,500
26 Oct 2026	30 Oct 2026	Physical	$1,500

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