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Course Name

MGT516: Managing Security Vulnerabilities - Enterprise and Cloud

Sector Name

Information Technology

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MGT516: Managing Security Vulnerabilities - Enterprise and Cloud

Course Introduction

In today's fast-paced digital landscape, organizations face an ever-growing range of security threats across both enterprise networks and cloud environments. Understanding, identifying, and mitigating vulnerabilities is critical to maintaining business continuity, safeguarding sensitive information, and ensuring regulatory compliance. This course equips participants with the knowledge and practical skills needed to proactively manage security risks in modern IT infrastructures.

Participants will gain hands-on experience in assessing vulnerabilities, prioritizing risks, and implementing effective remediation strategies for enterprise systems and cloud platforms.

By bridging theoretical frameworks with real-world applications, this program empowers security professionals and IT managers to strengthen their organization's security posture while adapting to evolving cyber threats.

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Target Audience

- ✓ Cybersecurity Managers & Security Leaders
- ✓ Information Security Officers
- ✓ Vulnerability Management Analysts
- ✓ Security Operations Center (SOC) Professionals

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Learning Objectives

- Identify and assess common vulnerabilities in enterprise and cloud environments.
- Analyze the potential impact of security threats on business operations.
- Apply risk management strategies to prioritize and remediate vulnerabilities.
- Implement security best practices and controls for both on-premise and cloud systems.
- Monitor and evaluate security measures to ensure continuous improvement and compliance.

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Course Outline

✓ DAY 01

Introduction to Security Vulnerabilities and Threat Landscape

- ✓ Overview of enterprise and cloud security environments
- ✓ Types of vulnerabilities: hardware, software, network, application
- ✓ Common threat actors and their motivations
- ✓ Understanding attack vectors and exploit methods
- ✓ Tools and techniques for vulnerability discovery

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Course Outline

✓ Day 02

Vulnerability Assessment and Risk Analysis

- ✓ Conducting enterprise vulnerability assessments
- ✓ Cloud-specific security assessment frameworks
- ✓ Risk scoring and prioritization (CVSS, threat modeling)
- ✓ Identifying critical assets and sensitive data
- ✓ Reporting and documenting assessment findings

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Course Outline

✓ Day 03

Security Controls and Remediation Strategies

- ✓ Patch management and software updates
- ✓ Network segmentation and access controls
- ✓ Configuration management and secure baseline practices
- ✓ Incident response planning and mitigation techniques
- ✓ Remediation prioritization based on risk and business impact

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Course Outline

✓ Day 04

Cloud Security Vulnerabilities and Best Practices

- Shared responsibility model in cloud security
- Identity and access management (IAM) vulnerabilities
- Misconfigurations and common cloud security pitfalls
- Data protection and encryption in cloud environments
- Continuous monitoring and threat intelligence integration

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Course Outline

✓ Day 05

Security Governance, Compliance, and Continuous Improvement

- ✓ Security policies and governance frameworks
- ✓ Compliance requirements (ISO 27001, NIST, GDPR, etc.)
- ✓ Auditing and reporting for enterprise and cloud security
- ✓ Metrics and KPIs for vulnerability management
- ✓ Building a culture of security awareness and continuous improvement

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 23, 2027	May 27, 2027	5 days	4250.00 \$	KSA , Riyadh
Oct. 25, 2026	Oct. 29, 2026	5 days	2150.00 \$	Virtual , Online
July 19, 2027	July 23, 2027	5 days	4950.00 \$	Turkey , Istanbul
April 4, 2027	April 8, 2027	5 days	4250.00 \$	Egypt , Cairo

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