Threat And Vulnerability Management Training

Duration: **2 Day**

BİLGİNÇ IT Academy
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Overview

Threat and Vulnerability Management Training is designed to provide participants with a comprehensive understanding of information security threats and the knowledge required to establish an effective vulnerability management process that supports an organization's security posture.

The course introduces the concepts of threats, risks, and vulnerabilities while examining the changing information security landscape, fundamental risk management principles, and risk analysis methods. Participants will explore how security vulnerabilities emerge, the factors that contribute to them, and the stages of the vulnerability lifecycle.

The program also addresses the importance of patch and update management, the challenges organizations face when managing patches, and the tools and processes used to support these activities. Vulnerability identification methods and management practices are examined to help participants understand how to design and implement a structured vulnerability management program.

By covering these essential areas, the training aims to equip participants with the knowledge needed to assess information security risks and develop systematic processes for managing vulnerabilities within their organizations.

Prerequisites

There are no prerequisites for attending this training.

What You Will Learn

By the end of this training, participants will be able to:

- Understand threats, risks, and vulnerabilities in information security.
- Learn fundamental risk management principles and risk analysis methods.
- Evaluate the causes and lifecycle of security vulnerabilities.
- Distinguish between technical and non-technical vulnerabilities.
- Understand patch and update management processes and tools.
- Explore methods for identifying security vulnerabilities.
- Develop vulnerability management processes aligned with organizational needs.
- Contribute to planning and implementing a vulnerability management program.

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Outline

1. Threat, Risk, and Vulnerability

- Fundamental concepts of threats, risks, and vulnerabilities
- The evolving nature of information security and its threat landscape
- Core principles of risk management
- Methods used for risk analysis

2. Security Vulnerabilities

- How security vulnerabilities emerge
- The vulnerability lifecycle
- Security vulnerabilities caused by technical factors
- Vulnerabilities resulting from other, non-technical factors

3. Patch and Update Management

- Why patch management is important for information security
- Challenges and factors that complicate patch management
- Tools and processes used in patch management

4. Establishing a Vulnerability Management Program

- Tools used for vulnerability management
- Methods for identifying security vulnerabilities
- Defining the processes of a vulnerability management program
- Implementing the vulnerability management program