



Administrator's Guide:

Designing Information Security for Microsoft Networks

Course Format Instructor-led Classroom Training **Duration:** 3 Days

Overview

This course provides IT professionals the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modelling threats, and analyzing security risks.

Prerequisites:

Before attending this course, students must have:

- Working experience of at least 1 year administering Microsoft Operating Systems (9.x/2000/XP)
- A strong familiarity with Microsoft Windows® 2000 core technologies, Windows 2000 Professional and Server, Windows XP Pro
- A strong familiarity with Windows 2000 networking technologies and implementation
- A strong familiarity with Windows 2000 / 2003 Active Directory directory services technologies and implementation

Outline:

Lesson 1: Introduction to Designing Security

Introduction to Designing Security for Microsoft Networks
EuroTech Ltd.: A Case Study

Lesson 2: Creating a Plan for Network Security

Introduction to Security Policies
Defining a Process for Designing Network Security
Creating a Security Design Team

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Lesson 3: Identifying Threats to Network Security

Introduction to Security Threats
Predicting Threats to Security

Lesson 4: Analyzing Security Risks

Introduction to Risk Management
Creating a Risk Management Plan

Lesson 5: Creating a Security Design for Physical Resources

Determining Threats and Analyzing Risks to Physical Resources
Designing Security for Physical Resources

Lesson 6: Creating a Security Design for Computers

Determining Threats and Analyzing Risks to Computers
Designing Security for Computers

Lesson 7: Creating a Security Design for Accounts

Determining Threats and Analyzing Risks to Accounts
Designing Security for Accounts

Lesson 8: Creating a Security Design for Authentication

Determining Threats and Analyzing Risks to Authentication
Designing Security for Authentication

Lesson 9: Creating a Security Design for Data

Determining Threats and Analyzing Risks to Data
Designing Security for Data



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Lesson 10: Creating a Security Design for Data Transmission

Determining Threats and Analyzing Risks to Data Transmission
Designing Security for Data Transmission

Lesson 11: Creating a Security Design for Network Perimeters

Determining Threats and Analyzing Risks to Network Perimeters
Designing Security for Network Perimeters

Lesson 12: Designing Responses to Security Incidents

Designing an Audit Policy
Designing an Incident Response Procedure