

Designing Security for Microsoft Networks

- **Course Number:** 2830
- **Length:** 3 Day(s)

Certification Exam

This course will help the student prepare for the following Microsoft Certification exams:

- **Exam 70-220:** Designing Security for a Microsoft Windows 2000 Network
- **Exam 70-298:** Designing Security for a Microsoft Windows Server 2003 Network

Course Overview

This three-day course provides you with the knowledge and skills to design a secure network infrastructure. Topics include assembling the design team, modeling threats, and analyzing security risks in order to meet business requirements for securing computers in a networked environment.

Prerequisites

This course requires that students meet the following prerequisites:

- A strong familiarity with Microsoft Windows 2000 core technologies, such as those covered in Microsoft Official Curriculum (MOC) Course 2152: Implementing Microsoft Windows 2000 Professional and Server.
- A strong familiarity with Windows 2000 networking technologies and implementation, such as those covered in MOC Course 2153: Implementing a Microsoft Windows 2000 Network Infrastructure.
- A strong familiarity with Windows 2000 directory services technologies and implementation, such as those covered in MOC Course 2154: Implementing and Administering Microsoft Windows 2000 Directory Services.

Audience

This course is intended for IT systems engineers and security specialists who are responsible for establishing security policies and procedures for an organization. Students should have one to three years of experience designing related business solutions.

Course Outline

Level 1

Designing Security for Networks

1.1 Overview of Security Issues

Planning For Network Security

2.1 Security Policies

2.2 Security Design Process

2.3 Security Design Team

Identifying Threats

3.1 Introduction to Threats

3.2 Predicting Threats to Security

Analyzing Security Risks

4.1 Introduction to Risk Management

4.2 Creating a Risk Management Plan

Level 2

Securing Physical Resources

1.1 Threats and Risks to Computers

1.2 Design Security to Physical Resources

Securing Computers

- 2.1 Threats and Risks to Computers
- 2.2 Designing Security for Computers

Securing Accounts

- 3.1 Threats and Risks to Accounts
- 3.2 Designing Security for Accounts

Securing User Authorization

- 4.1 Threats and Risks to User Authorization
- 4.2 Designing Security for Authorization

Level 3

Securing Data

- 1.1 Threats and Risks to Data
- 1.2 Designing Security for Data

Securing Data Transmission

- 2.1 Threats and Risks to Data Transmission
- 2.2 Security for Data Transmission

Securing Network Perimeter

- 3.1 Threats and risks to Network Perimeter
- 3.2 Security for Network Perimeters

Response and Incidence

- 4.1 Auditing and Incident Response
- 4.2 Designing an Audit Policy
- 4.3 Incident Response Procedure