

SECURITY FUNDAMENTALS

DURATION: 3 DAYS

COURSE OVERVIEW

In this course, you will be introduced to security concepts for today's business and technology professionals. You will cover layered security philosophy, physical security, Internet security, and wireless security principles. You will focus on operating system security, network security, and security software. The course is designed to help you prepare for Microsoft Technology Associate (MTA) Exam: 98-367 - Security Fundamentals, which can be taken outside of the course.

TARGET AUDIENCE

IT management, project managers, compliance personnel, business analysts, or anyone who requires a basic understanding of core security concepts and their application in a private or public sector setting.

COURSE OBJECTIVES

1. Offensive and defensive security strategies and approaches
2. Implement security in layers ranging from physical security, network security, and operating system security
3. Secure authentication, access-control on file systems, and password policies for users
4. Use Network Access Protection (NAP), firewalls, and protocol security for data in-flight
5. Use security software as counter-measures, including anti-virus software, anti-spam software, and encryption

COURSE CONTENT

Security Layers

Security Fundamentals

Physical Security as the First Line of Defense

Core Security Principles

Physical Security

Authentication, Authorization, and Accounting

Authentication

Rights and Permissions

Auditing

Encryption

User Authentication

Audit Policies

Security Policies

Using Password Policies to Enhance Security

Network Security

Using Dedicated Firewalls to Protect a Network

Controlling Access with Network Access Protection (NAP)

Using Isolation to Protect the Network

Protecting Data with Protocol Security

Securing a Wireless Network

Network Isolation

Protocol Security

Wireless Security

Protecting the Server and Client

Protecting a Computer from Malware

Protecting the Client Computer

Protecting E-Mail

Protecting a Server

Securing Internet Explorer

COURSE PREREQUISITES

General understanding and familiarity of IT business environments is beneficial

FOLLOW ON COURSES

There are no follow-ons for this course.