

Implementing Microsoft Internet Security & Acceleration (ISA) Server 2004 including ISA 2006 updates

**5 day
Course**

Overview

This instructor-led course provides students with the knowledge and skills to deploy and manage Microsoft Internet Security and Acceleration (ISA) Server 2004 as part of a larger security infrastructure. The course introduces security concepts unique to ISA Server 2004 and provides best practices for their implementation. This course includes information on both the Standard Edition and Enterprise Edition of ISA Server 2004 and will also cover the Incremental changes between ISA 2004 and ISA 2006.

Target Audience

The audience will be IT Professionals who are responsible for implementing network and perimeter security measures, including Internet firewalls, application layer filters, and screened networks. They will also implement caching servers and additional mechanisms to protect public-facing Web servers. These individuals will have a need to simplify ongoing management, reduce support costs and prevent security breaches.

This course will also help to prepare individuals pursuing the MCSA: Security or MCSE: Security certification specialisations.

Course Objectives

By the end of the course you will be able to:

- Describe the functionality provided by ISA Server 2004, and
- explain valid deployment scenarios for ISA Server 2004.
- Install and maintain ISA Server 2004, and install and configure ISA Server clients. Configure secure access to Internet resources for internal network clients using ISA Server 2004.
- Configure ISA Server 2004 as a firewall between the Internet and the internal network.
- Configure secure access to internal network resources for Internet clients who are using Web and server publishing rules.
- Configure ISA Server to provide secure access to Exchange Server for servers and clients located on the Internet.
- Implement application and Web filters on ISA Server 2004.
- Implement a virtual private network for remote clients and remote networks using ISA Server 2004.
- Implement Web proxy caching on ISA Server 2004.
- Monitor server performance, security, and usage on ISA Server 2004.
- Plan an ISA Server 2004 Enterprise Edition deployment and install ISA Server 2004 Enterprise Edition.
- Implement ISA Server 2004 Enterprise Edition in a back-to-back firewall scenario.
- Implement ISA Server 2004 Enterprise Edition in a site-to-site VPN scenario.

Prerequisites

The skills and knowledge required from a delegate before they attend this course are as follows:

Successful completion of Course 2810: Fundamentals of Network Security, or equivalent knowledge of networking security.

Successful completion of Course 2273: Managing and Maintaining a Microsoft Windows Server 2003 Environment, or equivalent knowledge of the Windows Server 2003 operating system and network concepts, or equivalent knowledge of Microsoft Windows 2000 Server operating system and network concepts.

Experience implementing network resources such as Web, FTP, and Microsoft Exchange servers. Detailed knowledge about deploying these resources is not required.

Testing and Certification

This course will help the student prepare for the following Microsoft Certified Professional exam:

- Exam 70-350 : Implementing Microsoft Internet Security and Acceleration Server 2004