



Course Outline

Course 5049A:

Managing Messaging Security Using Microsoft Exchange Server 2007

About this Course

Elements of this syllabus are subject to change.

This one-day instructor-led course provides messaging specialists with the knowledge and skills to manage messaging security and policies. Students will learn how to manage messaging and connection security. They will also learn how to manage spam, anti-virus, and content filtering. And finally they will learn how to install and configure a gateway server.

Microsoft Certified Professional Exams

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

Exam Exam 70-236: Implementing: Troubleshooting

Exam and Maintaining a MS Exchange Server 2007 Infrastructure.

Course Materials

The student kit includes a comprehensive workbook and a Student Materials compact disk for this class.

Audience Profile

This course is intended for enterprise-level messaging administrators who have at least 3 years experience working in the Information Technology field, including administering Exchange Servers. Others who may take this course include IT generalists and help desk professionals who want to learn about MicrosoftExchange Server 2007. Administrators should have some experience with Exchange Server 2007.

Prerequisites

This course requires that students meet the following prerequisites:

- Working knowledge of malware. For example, approaches to scanning for viruses (client-based, Simple Mail Transfer Protocol (SMTP)-based, Exchange-based), methods that worms use to propagate, basic concepts of spam, phishing schemes, and unwelcome message content.
- Conceptual understanding of firewalls. For example, how SMTP messages are allowed through a firewall.
- Working knowledge of how Public Key Infrastructure (PKI) is managed in the directory.
- Experience using these tools and applications:
 - NTBackup command.
 - NSLookup command.
 - Windows Explorer
 - MicrosoftManagement Console (MMC)
 - Active Directory Users and Computers
 - Active Directory Sites and Services
 - Internet Information Services (IIS) Admin
 - Outlook
- Working knowledge of Windows server operating system. For example, how storage is configured, basic backup and restore techniques, and what a client/server application interaction means.
- Working knowledge of network technologies. For example, what Transmission Control Protocol (TCP/IP) and Domain Name System (DNS) do and how to use them, basic routing concepts (Wide Area Networks (WAN) vs. Local Area Network (LAN) router vs. switch vs. hub).



Course Outline

- Working knowledge of Active Directory. For example, how user objects are managed, what is stored in Active Directory partitions, basic architectures (domain, forest, sites, etc.), and how domain controllers are managed. Also, site and site connector configuration, schema and configuration partitions, and Global Catalogs.
- Working knowledge of Exchange Server 2007. For example, what the different server roles are, how the different server roles interact, what protocols the server roles use to communicate, what roles the clients connect to, how to configure messaging recipients and Exchange Server 2007 computers.
- Conceptual understanding of e-mail technologies. For example, that SMTP is a protocol used for e-mail and the differences between transport protocols and client access protocols (Post Office Protocol (POP), Internet Access Message Protocol (IMAP), and SMTP).
- Completion of the following equivalent knowledge: Configure and manage a messaging environment in accordance with technical requirements.

At Course Completion

After completing this course, students will be able to:

- Manage anti-spam and antivirus features.
- Configure edge transport servers.
- Implement messaging policies.

Course Outline

Module 1: Maintaining Antivirus and Anti-spam Systems

After completing this module, students will be able to maintain antivirus and anti-spam systems.

Lessons

- Introduction to Antivirus and Anti-Spam Management
- Implementing Anti-spam Features
- Implementing Antivirus Features

Lab : Maintaining Antivirus and Anti-Spam Systems

- Reviewing the Contents of the Spam Quarantine
- Discussion: Modifying Spam and Antivirus Settings
- Modifying Spam and Antivirus Settings

After completing this module, students will be able to:

- Explain how to manage antivirus and anti-spam.
- Implement anti-spam features
- Implement antivirus features.

Module 2: Configuring Edge Transport Servers

After completing this module, students will be able to configure edge transport servers.

Lessons

Deploying Edge Transport Servers

Configuring Internet Message Delivery



Course Outline

Configuring Security for Internet E-Mail

Lab : Configuring Edge Transport Servers

- Configuring SMTP Connectors to Secure SMTP E-Mail
- Implementing Secure/Multipurpose Internet Mail Extensions (S/MIME)

After completing this module, students will be able to:

- Deploy edge transport servers.
- Configure Internet message delivery.
- Configure security for Internet e-mail.

Module 3: Implementing Messaging Policies

After completing this module, students will be able to implement transport rules.

Lessons

- Introducing Messaging Policy and Compliance
- Implementing Messaging Records Management
- Implementing Transport Rules

Lab : Implementing Messaging Policies

- Configuring Domain Security

After completing this module, students will be able to:

- Describe messaging policy and compliance.
- Implement messaging records management.
- Implement transport rules.