



# Managing Messaging Security using Microsoft Exchange Server 2007 (5049A)

Course length: 1 days

## Who Should Attend:

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 Microsoft Exchange Server 2007. Administrators should have some experience with Exchange Server 2007



## Course Summary:

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

## Objectives:

After completing this course, students will be able to:

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

## Prerequisites:

Students must have an understating of the following:

- 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
  - Microsoft Management 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).

- 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), SMTP).
- Completion of the following equivalent knowledge: Configure and manage a messaging environment in accordance with technical requirements

**Time:**

Class time is 9.00am – 4.30/5.00pm

Breaks are scheduled twice daily, one in the morning and another in the afternoon. Lunch is typically 12-1pm. This time may alter based on the trainers' discretion.

**Course Material:**

Course materials are provided. Our goal is to make sure your class meets your objectives, not ours. Therefore, all of our outlines are treated as guides to help steer the workshop. We may change or alter course topics to best suit the classroom situation.

**Course Content:**

**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:**
- Describe antivirus and anti-spam management.
- 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
- 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 Managed E-Mail Folders
- Managing Transport Rules
  
- **After completing this module, students will be able to:**
- Describe messaging policy and compliance.
- Implement messaging records management.
- Implement transport rules.

**Certified Exam Info:**

This course will help the student prepare for the following Microsoft Certified Professional exam:  
Exam 70-236: Implementing, Troubleshooting and Maintaining a MS Exchange Server 2007 Infrastructure