

## MS 10233A - Designing and Deploying Messaging Solutions with Microsoft Exchange Server 2010

### About this Course:

This five-day, instructor-led course provides you with the knowledge and skills to design and deploy messaging solutions with Microsoft Exchange Server 2010. This course describes how to gather requirements for a messaging solution and then design the integration of Exchange Server 2010 with the current infrastructure. The course then covers how to plan and deploy the various server roles in Exchange Server 2010. You will explore the various options for implementing messaging security, policies, and compliance. The course also examines the high availability and disaster recovery options and how to develop a troubleshooting plan. Finally, the course describes how to plan the upgrade from earlier versions of Exchange Server to Exchange Server 2010 and the integration of Exchange Server 2010 with other messaging systems.

### Audience Profile:

This course is intended for IT professionals who are responsible for the Exchange Server messaging environment in an enterprise. This IT professional is the senior administrator, or "engineer" who acts as a technical lead over a team of administrators. This person is a third level of support in addition to the Exchange Recipient Administrator, which is the first level and the Exchange Server Administrator, which is the second level. In an effort to ensure that end users have the best possible messaging experience, this person also evaluates new technologies and tools. The candidate is responsible for the planning and deployment of the Exchange Servers in an enterprise environment. He or she should have a minimum of two years of experience administering, deploying, managing, monitoring, upgrading, migrating, and designing Exchange Server.

### At Course Completion :

After completing this course, students will be able to:

- Gather the information required to design a messaging system.
- Design the integration of Exchange Server with the current infrastructure.
- Design the deployment of the Mailbox server services in Exchange Server 2010.
- Design the Client Access server deployment.
- Design the Hub Transport server and Edge Transport server deployments.
- Plan and deploy messaging security.
- Plan and deploy a messaging policy and compliance solution.
- Plan a highly available Exchange Server 2010 deployment.
- Plan a disaster recovery solution in Exchange Server 2010.
- Develop a plan for monitoring and troubleshooting the Exchange Server environment.
- Plan and implement a transition from Exchange Server 2003 or Exchange Server 2007 to Exchange Server 2010.

- Integrate Exchange Server 2010 with other messaging systems and with federated partners.

Before attending this course, students must have:

- At least two years of experience working with Microsoft Exchange Server.
- At least six months of experience working with Exchange Server 2010 or Exchange Server 2007.
- At least two years of experience administering Windows Server, including Windows Server 2008.
- At least two years of experience working with Active Directory Domain Services (AD DS).
- At least two years of experience working with name resolution, including Domain Name Service (DNS).
- Experience working with certificates, including Public Key Infrastructure (PKI) certificates.
- Experience working with Microsoft Windows PowerShell.
- Course 10135A: Configuring, Managing and Troubleshooting Microsoft Exchange Server 2010

Course Outline:

Module 1: Introduction to Designing a Microsoft Exchange Server 2010 Deployment This module explains how to gather business and technical requirements, and information about the current messaging system, to prepare for designing a messaging system. It also provides an overview of Service Level Management and how it can impact the design of the messaging system.

Lessons

- Gathering Business Requirements
- Identifying Additional Requirements
- Introduction to Service Level Management
- Analyzing the Current Messaging Environment

Lab : Introduction to Designing an Exchange Server 2010 Deployment

- Evaluating the Existing Messaging Environment
- Creating a Requirements Document
- Discussion: Real-World Best Practices for Setting Budget Expectations
- Discussion: Refining the Scope of SLA Requirements

After completing this module, students will be able to:

- Gather business requirements for an organization.
- Identify additional requirements.
- Describe service level management.

- Analyze the current messaging environment.

#### Module 2: Designing Microsoft Exchange Server 2010 Integration with the Current Infrastructure

This module explains how to design the integration of Exchange Server with the current infrastructure. It describes how to design the network infrastructure, the Active Directory infrastructure, and the DNS infrastructure. Additionally, this module explains how to plan the administration of Exchange Server 2010.

##### Lessons

- Designing the Network Infrastructure
- Designing the Active Directory Infrastructure
- Designing the DNS Infrastructure
- Planning Exchange Server Administration

#### Lab : Designing Exchange Server Integration with the Current Infrastructure

- Evaluating the Existing Network Infrastructure
- Determining Suitability for Exchange Server 2010
- Preparing the AD DS Forest for Exchange Server 2010
- Configuring Exchange Server Delegation

After completing this module, students will be able to:

- Design the network infrastructure.
- Design the Active Directory infrastructure.
- Design the DNS infrastructure.
- Plan Exchange Server Administration.

#### Module 3: Planning and Deploying Mailbox Services

This module explains how to design the deployment of the Mailbox server services in Exchange Server 2010. It provides an overview of the Mailbox services in Exchange Server 2010. The module then describes how to design Mailbox server, recipient management, and a public folder architecture.

##### Lessons

- Overview of Mailbox Services in Exchange Server 2010
- Designing Mailbox Servers
- Designing Recipient Management
- Designing Public Folder Architecture

#### Lab : Planning and Deploying Mailbox Services

- Designing the Mailbox Server Deployment
- Designing Recipient Management
- Designing a Public Folder Deployment
- Implementing Mailbox Services

After completing this module, students will be able to:

- Describe mailbox services in Exchange Server 2010.
- Design Mailbox servers.
- Design recipient management.
- Design public folder architecture.

Module 4: Planning and Deploying Client Access Services in Exchange Server 2010 This module explains how to plan and deploy client access services in Exchange Server 2010. It provides an overview of the Client Access server role and then describes how to design the Client Access server deployment, client access, and client access policies.

#### Lessons

- Overview of the Client Access Server Role
- Designing the Client Access Server Deployment
- Designing Client Access
- Designing Client Access Policies

#### Lab : Planning and Deploying Client Access Services in Exchange Server 2010

- Designing the Client Access Server Deployment
- Designing Client Access
- Implementing Client Access

After completing this module, students will be able to:

- Describe how the Client Access server role works.
- Design the Client Access server deployment.
- Design access for messaging clients.

#### **Upcoming Classes**

Jun 18, 2012 - Jun 22, 2012

Jul 16, 2012 - Jul 20, 2012

Aug 13, 2012 - Aug 17, 2012

Sep 24, 2012 - Sep 28, 2012

Oct 22, 2012 - Oct 26, 2012