



Designing and Deploying Messaging Solutions with Microsoft Exchange Server 2010

COMPUTER TRAINING

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EXCHANGE

Course No. 10233

5 Days

Target Audience:

This course provides students with the knowledge and skills to design and deploy messaging solutions with Microsoft Exchange Server 2010. It is intended for IT professionals who are responsible for the Exchange Server messaging environment in an enterprise.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- Experience (2 years) working with Microsoft Exchange Server (including 2007 or 2010).
- Experience (2 years) administering Windows Server (including 2008).
- Experience (2 years) working with Active Directory Domain Services (AD DS).
- Experience (2 years) working with Domain Name Service (DNS).
- Experience working with Public Key Infrastructure (PKI) certificates.
- Experience working with Microsoft Windows PowerShell.

Purpose:

After completing the 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; 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; integrate Exchange Server 2010 with other messaging systems and with federated partners.



At the end of the course the delegate will be able to complete the following:

Introduction to Designing an 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.
- 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

Skills:

- Gather business requirements for an organization.
- Identify additional requirements.
- Describe service level management.
- Analyze the current messaging environment.

Designing Exchange Server 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.
- 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

Skills:

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

Planning and Deploying Mailbox Services

- This module explains how to design the deployment of the Mailbox server services in Exchange Server 2010.
- Overview of Mailbox Services in Exchange Server 2010
- Designing Mailbox Servers
- Designing Recipient Management
- Designing a Public Folder Architecture
- Lab: Planning and Deploying Mailbox Services

Skills:

- Describe the Mailbox Services in Exchange Server 2010.
- Design Mailbox servers.
- Design recipient management.
- Design a public folder architecture.

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.
- 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

Skills:

- Describe the functionality of the Client Access server role.
- Design the Client Access server deployment.
- Design Client Access.
- Design Client Access policies.

Planning and Deploying Message Transport in Exchange Server 2010

- This module explains how to design the Hub Transport server and Edge Transport Server deployments. It also describes how to design message routing in Exchange Server 2010.
- Designing Message Routing for Exchange Server 2010
- Designing Hub Transport Servers
- Designing the Message Routing Perimeter
- Lab: Planning and Deploying Message Transport in Exchange Server 2010

Skills:

- Design message routing for Exchange Server 2010.
- Design Hub Transport servers.
- Design the message routing perimeter.

Planning and Deploying Messaging Security

- This module explains how to plan and deploy messaging security. It describes how to design message security restrictions, SMTP connector security, and explains how to secure message routing between partner organizations.
- Designing Message Security
- Designing Antivirus and Anti-Spam Solutions
- Lab: Planning and Deploying Messaging Security

Skills:

- Design message security.
- Design antivirus and anti-spam solutions.

Planning and Deploying Messaging Compliance

- This module explains how to plan and deploy a messaging policy and compliance solution. It describes how to design transport rules, message classifications, and message moderation.
- Designing Transport Compliance
- Designing AD RMS Integration with Exchange Server 2010
- Designing Message Journaling and Archiving
- Designing Messaging Records Management
- Lab: Planning and Deploying Messaging Compliance

Skills:

- Design transport compliance.
- Design Active Directory Rights Management Services (AD RMS) integration with Exchange Server 2010.
- Design message journaling and archiving.
- Design messaging records management.

Planning and Deploying High Availability

- This module explains how to plan a highly available Exchange Server 2010 deployment. It provides an introduction to high availability in Exchange Server 2010.
- Introduction to High Availability Planning in Exchange Server 2010
- Designing High Availability for Mailbox Databases
- Designing High Availability for Other Server Roles
- Designing Site Resilience
- Lab: Planning and Deploying High Availability

Skills:

- Describe high availability planning in Exchange Server 2010.
- Design high availability for mailbox databases.
- Design high availability for other server roles.
- Design site resilience.

Planning a Disaster Recovery Solution

- This module explains how to plan a disaster recovery solution for Exchange Server 2010.
- Planning for Disaster Mitigation
- Planning Exchange Server Backup
- Planning Exchange Server Recovery
- Lab: Planning a Disaster Recovery Solution

Skills:

- Plan for disaster mitigation.
- Plan Exchange Server backup.
- Plan Exchange Server recovery.

Planning Exchange Server 2010 Monitoring and Troubleshooting

- This module explains how to develop a plan for monitoring and troubleshooting the Exchange Server environment.
- Planning Exchange Server Monitoring
- Planning Exchange Server Troubleshooting
- Lab: Planning Exchange Server 2010 Monitoring and Troubleshooting

Skills:

- Plan Exchange Server monitoring.
- Plan Exchange Server troubleshooting.

Transitioning to Exchange Server 2010

- This module explains how to plan and implement a transition from Exchange Server 2003 or Exchange Server 2007 to Exchange Server 2010.
- Overview of Transitioning to Exchange Server 2010
- Planning the Transition from Exchange Server 2003 to Exchange Server 2010
- Planning the Transition from Exchange Server 2007 to Exchange Server 2010
- Lab: Transitioning to Exchange Server 2010

Skills:

- Describe transitioning to Exchange Server 2010.
- Plan the transition from Exchange Server 2003 to Exchange Server 2010.
- Plan the transition from Exchange Server 2007 to Exchange Server 2010.

Integrating Exchange Server 2010 with Other Messaging Systems

- This module explains how to integrate Exchange Server 2010 with other messaging systems and with federated partners. It first describes the various coexistence scenarios and then explains how to design Exchange Server 2010 integration with other messaging systems.
- Designing Exchange Server 2010 Integration with Other Messaging Systems
- Designing Exchange Server 2010 Integration with Federated Partners
- Designing Exchange Server 2010 Integration with Exchange Online
- Lab: Integrating Exchange Server 2010 with Other Messaging Systems

Skills:

- Design Exchange Server 2010 integration with other messaging systems.
- Design Exchange Server 2010 integration with federated partners.
- Design Exchange Server 2010 integration with Exchange Online.



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Cost:

£1550 plus VAT

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Numbers:

Maximum of 6 people on each course at F1's training facilities in London and Bath