Core Solutions of Microsoft Exchange Server 2013

Course 20341B: 4 days; Instructor-Led

Introduction

This course will provide you with the knowledge and skills to plan, deploy, manage, secure, and support Microsoft Exchange Server 2013. This course will teach you how to configure Exchange Server 2013 and supply you with the information you will need to monitor, maintain, and troubleshoot Exchange Server 2013. This course will also provide guidelines, best practices, and considerations that will help you optimize performance and minimize errors and security threats in Exchange Server 2013.

At Course Completion

After completing this course, students will be able to:

- Deploy and manage Exchange Server 2013.

- Plan and configure the Mailbox server role.

- Manage recipient objects, address policies, and address lists in Exchange Server 2013.

- Plan and implement the Client Access server role in Exchange Server 2013.

- Securely plan and configure Microsoft Outlook Web App and mobile messaging using the Client Access server.

- Understand and manage highly available Client Access servers in Exchange Sever 2013.

- Plan for disaster mitigation, implement back up and recovery for Exchange Server 2013.

- Plan and configure message transport in an Exchange Server 2013 organization.

- Plan message security options, implement an antivirus solutions, and implement an anti-spam solution.

- Configure permissions and secure Exchange Server 2013.

- Monitor, maintain, and troubleshoot an Exchange Server 2013 environment.

Audience

This course is intended for people aspiring to be enterprise-level messaging administrators. Others who may take this course include IT generalists and help desk professionals who want to learn about Exchange Server 2013. People coming into the course are expected to have at least 3 years of experience working in the IT field—typically in the areas of network administration, help desk, or system administration. They are not expected to have experience with previous Exchange Server versions.

The secondary audience for this course will be candidates that are IT professionals who are looking to take the exam 70-341: Core Solutions of Microsoft Exchange Server 2013 as a standalone, or as part of the requirement for the Microsoft Certified Solutions Expert (MCSE) certification.

Prerequisites

Before attending this course, students must have:

- Minimum of two years of experience administering Windows Server, including Windows Server 2008 R2 or Windows Server 2012.

- Minimum of two years of experience working with Active Directory Domain Services (AD DS).

- Minimum of two years of experience working with name resolution, including DNS.

- Experience working with certificates, including PKI certificates.

Course Outline

Module 1: Deploying and Managing Microsoft Exchange Server 2013

This module describes Exchange Server 2013 prerequisites and requirements, deployment and management.

Lessons

- Exchange Server 2013 Prerequisites and Requirements

- Exchange Server 2013 Deployment

- Managing Exchange Server 2013

Lab: Deploying and Managing Exchange Server 2013

- Evaluating Requirements and Prerequisites for an Exchange Server 2013 Installation

- Deploying Exchange Server 2013

- Managing Exchange Server 2013

After completing this module, students will be able to:

- Describe Exchange Server 2013 prerequisites and requirements.

- Perform an Exchange Server 2013 deployment.

- Manage Exchange Server 2013.

Module 2: Planning and Configuring Mailbox Servers

This module describes how to plan and configure the Mailbox server role.

Lessons

- Overview of the Mailbox Server Role

- Planning the Mailbox Server Deployment

- Configuring the Mailbox Servers

Lab: Configuring Mailbox Servers

- Planning Configuration for Mailbox Servers

- Configuring Storage on the Mailbox Servers

- Creating and Configuring Mailbox Databases

After completing this module, students will be able to:

- Describe the Mailbox server role.

- Plan for a Mailbox server role deployment.

- Configure the Mailbox servers.

Module 3: Managing Recipient Objects

This module explains how to manage recipient objects, address policies, and address lists in Exchange Server 2013.

Lessons

- Managing Exchange Server 2013 Mailboxes

- Managing Other Exchange Recipients

- Planning and Implementing Public Folder Mailboxes

- Managing Address Lists and Policies

Lab: Managing Recipient Objects

- Configuring Trey Research Recipients

- Configuring Address Lists and Policies for Trey Research

- Configuring Public Folders for Trey Research

After completing this module, students will be able to:

- Manage Exchange Server 2013 mailboxes.

- Manage other Exchange Server 2013 recipients.

- Implement public folders.

- Configure address lists and policies.

Module 4: Planning and Deploying Client Access Servers

This module explains how to plan and implement the Client Access server role in Exchange Server 2013.

Lessons

- Planning Client Access Server Deployment

- Configuring the Client Access Server Role

- Managing Client Access Services

Lab: Deploying and Configuring a Client Access Server Role

- Configuring Certificates for the Client Access Server

- Configuring Client Access Services Options

- Configuring Custom MailTips

After completing this module, students will be able to:

- Plan Client Access server deployment.

- Configure the Client Access server roles.

- Manage Client Access services.

Module 5: Planning and Configuring Messaging Client Connectivity

This module explains how to plan and configure Microsoft Outlook Web App and mobile messaging in Exchange Server 2013.

Lessons

- Client Connectivity to the Client Access Server

- Configuring Outlook Web App

- Planning and Configuring Mobile Messaging

- Configuring Secure Internet Access for Client Access Server

Lab: Planning and Configuring Messaging Client Connectivity

- Planning Client Connectivity

- Configuring Outlook Web App and Outlook Anywhere

- Configuring Exchange ActiveSync

- Publishing Exchange Server 2013 through TMG 2010

After completing this module, students will be able to:

- Describe the client services Exchange Server 2013 provides.

- Configure Outlook Web App.

- Plan and configure mobile messaging.

- Configure secure Internet access for Client Access server.

Module 6: Planning and Implementing High Availability
This module explains the high-availability technology built into Exchange Server 2013, and some of the outside factors that affect highly available solutions.

Lessons

- High Availability on Exchange Server 2013
- Configuring Highly Available Mailbox Databases
- Configuring Highly Available Client Access Servers

Lab: Implementing High Availability

- Creating and Configuring a Database Availability Group
- Deploying Highly Available Client Access Servers
- Testing the High-Availability Configuration

After completing this module, students will be able to:

- Describe high availability in Exchange Server 2013.
- Configure highly available mailbox databases.
- Configure highly available Client Access servers.

Module 7: Planning and Implementing Disaster Recovery
This module explain how to plan, implement disaster mitigation, and recovery in Exchange Server 2013.

Lessons

- Planning for Disaster Mitigation
- Planning and Implementing Exchange Server 2013 Backup
- Planning and Implementing Exchange Server 2013 Recovery

Lab: Implementing Disaster Recovery for Exchange Server 2013

- Backing Up Exchange 2013
- Restoring Exchange Server 2013 Data

After completing this module, students will be able to:

- Plan disaster mitigation.
- Plan and implement Exchange Server 2013 backup.
- Plan and implement Exchange Server 2013 recovery.

Module 8: Planning and Configuring Message Transport
This module explains how to plan and configure message transport in an Exchange Server 2013 organization.

Lessons

- Overview of Message Transport and Routing
- Planning and Configuring Message Transport
- Managing Transport Rules

Lab: Planning and Configuring Message Transport

- Configuring Message Transport
- Troubleshooting Message Delivery
- Configuring Transport Rules and Data-Loss Prevention Policies

After completing this module, students will be able to:

- Describe message transport in Exchange Server 2013.

- Plan and configure message transport.
- Manage transport rules.

Module 9: Planning and Configuring Message Hygiene
This module explains how to plan messaging security, implement an antivirus and anti-spam solution for Exchange Server 2013.

Lessons

- Planning Messaging Security
- Implementing an Antivirus Solution for Exchange Server 2013
- Implementing an Anti-Spam Solution for Exchange Server 2013

Lab: Planning and Configuring Message Security

- Configuring Antimalware Options in Exchange Server 2013
- Configuring Anti-Spam Options on Exchange Server
- Validating Antimalware and Anti-Spam Configuration

After completing this module, students will be able to:

- Plan messaging security.
- Implement an antivirus solution for Exchange Server 2013.
- Implement an anti-spam solution for Exchange Server 2013.

Module 10: Planning and Configuring Administrative Security and Auditing
This module explains how to configure role-based access control (RBAC) permissions and configure audit logging.

Lessons

- Configuring Role-Based Access Control
- Configuring Audit Logging

Lab: Configuring Administrative Security and Auditing

- Configuring Exchange Server Permissions
- Configuring Audit Logging
- Configuring RBAC Split Permissions on Exchange Server 2013

After completing this module, students will be able to:

- Configure RBAC permissions.
- Configure audit logging.

Module 11: Monitoring and Troubleshooting Microsoft Exchange Server 2013
This module explains how to monitor, maintain, and troubleshoot your Exchange Server 2013 environment.

Lessons

- Monitoring Exchange Server 2013
- Maintaining Exchange Server 2013
- Troubleshooting Exchange Server 2013

Lab: Monitoring and Troubleshooting Exchange Server 2013

- Monitoring Exchange Server
- Troubleshooting Database Availability
- Troubleshooting Client Access Servers

After completing this module, students will be able to:

- Monitor Exchange Server 2013.

- Maintain Exchange Server 2013.

- Troubleshoot Exchange Server 2013.