

Module Title : Course 20341A: Core Solutions of Microsoft Exchange Server 2013

Duration : 5 days

Course Description

In this course, students will learn to configure and manage a Microsoft Exchange Server 2013 messaging environment. This course will teach students guidelines, best practices, and considerations that will help them optimize their Exchange server deployment. Course 20341 is an instructor-led course and will provide you with the knowledge and skills to plan, install, and manage the mailbox role, client access, transport, and Exchange infrastructure.

Audience

This course is intended for IT professionals who are interested in:

The primary audience for this course is Information Technology (IT) professionals who are 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. Administrators 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 is professionals who are looking to take the exam 70-341A: Microsoft Exchange Server 2013, Core Solutions, as a standalone, or as part of the requirement for the MCSE: Microsoft Exchange Server 2013 certification will take this course as preparation material.

Prerequisites

Before attending this course, students should have experience:

- 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.

At Course Completion

After completing this course, you will be able to:

- Plan and perform deployment and management of Microsoft Exchange Server 2013.
- Plan a Mailbox server deployment and configure the Mailbox server role.
- Create and manage various recipient objects in Exchange Server 2013.
- Plan and deploy Client Access servers.
- Plan and configure client connectivity to Exchange Server 2013 Client Access server.
- Plan and configure message transport.
- Plan and implement high availability.
- Plan and implement disaster recovery for Exchange Server 2013.
- Plan and configure message security options.
- Plan and configure administrative security and administrative auditing.
- Monitor and troubleshoot Exchange Server 2013

Course Outline

Module 1: Deploying and Managing Exchange Server 2013

This module explains how to plan and perform deployment and management of Exchange Server 2013.

Lessons

- 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 Server 2013 prerequisites and requirements.
- Deploy Exchange Server 2013.
- Manage Exchange Server 2013.

Module 2: Planning and Configuring Mailbox Servers

This module explains how to plan a Mailbox server deployment and configure the Mailbox server role.

Lessons

- Overview of the Mailbox Server Role

- Planning the Mailbox Server Deployment
- Configuring Mailbox Servers

Lab: Configuring Mailbox Servers

- Planning storage for Mailbox servers
- Configure storage on the Mailbox servers
- Creating and Configuring Mailbox Databases

After completing this module, students will be able to:

- Understand Mailbox server role.
- Plan Mailbox server deployment.
- Configure Mailbox servers.

Module 3: Managing Recipient Objects

This module explains how to create and manage various recipient objects in Exchange Server 2013.

Lessons

- Managing Exchange Server 2013 Recipients
- Managing Exchange Recipients
- Managing Address Lists and Policies on Mailbox Server Role

Lab: Managing Exchange Recipient Objects

- Planning Recipient Types
- Managing Recipients
- Managing Exchange Server E-mail Address Policies
- Managing Address Lists and Address Book Policies
- Managing Public Folder Mailboxes

After completing this module, students will be able to:

- Manage Exchange Server 2013 recipients.
- Manage Exchange recipients.
- Manage address lists and policies on Mailbox server role.

Module 4: Planning and Deploying Client Access Servers

This module explains how to plan and deploy Client Access servers.

Lessons

- Planning Client Access Server Deployment
- Configuring the Client Access Server Role
- Managing Client Access Services

Lab: Deploying and Configuring Client Access Server Role

- Configuring Certificates for the Client Access Server
- Configuring Client Access Server Options
- Configuring Custom MailTips

After completing this module, students will be able to:

- Plan Client Access server deployment.
- Configure the Client Access server role.
- Manage Client Access services.

Module 5: Planning and Configuring Messaging Client Connectivity

This module explains how to plan and configure client connectivity to Exchange Server 2013 Client Access server.

Lessons

- Client Connectivity to Client Access Server
- Configuring Outlook Web App
- Planning and Configuring Mobile Messaging
- Configuring Secure Internet Access for Client Access Server
- 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:

- Understand the client connectivity to Client Access server
- Configure Outlook Web App.
- Plan and configure mobile messaging.
- Configure secure Internet access for Client Access server.
- Configure secure Internet access for Client Access server.

Module 6: Planning and Configuring Message Transport

This module explains how to plan and configure message transport.

Lessons

- Overview of Message Transport
- 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:

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

Module 7: Planning and Implementing High Availability

This module explains how to plan and implement high availability.

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 implement high availability in an Exchange Server 2013 environment.

Module 8: Planning and Implementing Disaster Recovery

This module explains how to plan and implement disaster recovery.

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 Server 2013
- Restoring Exchange Server 2013 Data
- Exchange Server 2013 Disaster Recovery 2013

After completing this module, students will be able to:

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

Module 9: Planning and Configuring Message Security Options

This module explains how to plan and configure message security options.

Lessons

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

Lab: Planning and Configuring Message Security

- Configuring Forefront Security
- Configuring Message Hygiene Features on Exchange Server 2013

After completing this module, students will be able to:

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

Module 10: Planning and Configuring Administrative Security and Auditing

This module explains how to plan and configure administrative security and administrative auditing.

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

After completing this module, students will be able to:

- Configure role-based access control.
- Configure audit logging.

Module 11: Monitoring and Troubleshooting Exchange Server 2013

This module explains how to monitor and troubleshoot Exchange Server 2013.

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.