Advanced Solutions of Microsoft Exchange Server 2013 (20342)

Duration: 5 Days

MOC On-Demand Price: £650

Delivery Option: Attend via MOC On-Demand.

Students Will Learn

- Designing and implementing Exchange Server 2013 Unified Messaging

- Designing and implementing site resiliency for Exchange Server 2013

- Planning a virtualization strategy for Exchange Server 2013 roles

- Designing and implementing message transport security

- Designing and implementing message retention in Exchange Server 2013

- Designing and implementing messaging compliance

- Designing and implementing administrative security in an Exchange Server 2013 environment

- Using the Windows PowerShell® 3.0 command-line interface to manage Exchange Server 2013

- Designing and implementing integration with Exchange Online

- Designing and implementing messaging coexistence

- Designing and implementing Exchange Server migrations from non-Exchange messaging systems, and upgrades from previous Exchange Server versions

Course Description

This is a Microsoft Official Course (MOC) and includes Microsoft courseware and hands-on labs. This course will provide you with the knowledge and skills to configure and manage a Microsoft Exchange Server 2013 messaging environment. This course will teach you how to configure Exchange Server 2013, and it will provide guidelines, best practices, and considerations that will help you optimize your Exchange Server deployment.

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. Students are expected to have experience with Exchange Server 2013 or with previous versions of Exchange Server.

In addition, this course is intended as preparation material for IT professionals who are looking to take the exam 70-342A: Microsoft Exchange Server 2013 Advanced Solutions.

Course Prerequisites

Before attending this course, students must have:

- Passed 70-341: Core Solutions of Microsoft Exchange Server 2013, or equivalent
- Minimum of two years of experience working with Exchange Server
- Minimum of six months of experience working with Exchange Server 2010 or Exchange Server 2013
- 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
- Minimum of two years of experience working with name resolution, including DNS
- Experience working with certificates, including public key infrastructure (PKI) certificates
- Experience working with Windows PowerShell

Students who attend this training can meet the prerequisites by attending the [Core Solutions of Microsoft Exchange Server 2013](#) course.

About MOC On-Demand

MIcrosoft Official Courses On-Demand uses a combination of streaming video, text, lab exercises and assessment checks throughout the course. MOC On-Demand courses are available for 90 days and recommend the following system requirements:

- Browser: Current version of Internet Explorer, Microsoft Edge, Google Chrome or Firefox
- Internet: Broadband Internet connection of over 4Mbps
- Screen Resolution: 1280 x 1024 or higher

Course Overview

Module 1: Designing and Implementing Site Resilience

This module explains how to design and implement site resilience for Exchange Server 2013.

Lessons

- Site Resilience and High Availability in Exchange Server 2013
- Planning a Site Resilient Implementation
- Implementing Site Resilience

Lab

- Designing and Implementing Site Resiliency

After completing this module, students will be able to design and implement site resilience for Exchange Server 2013.

Module 2: Planning Virtualization for Microsoft Exchange Server 2013

This module explains how to plan a virtualization strategy for Exchange Server 2013

roles.

Lessons

- Planning a Hyper-V Deployment to Exchange Server 2013
- Virtualizing Exchange Server 2013 Server Roles

Lab

- Planning the Virtualization of Exchange Server Roles

After completing this module, students will be able to plan a virtualization strategy for Exchange Server 2013 roles.

Module 3: Overview of Exchange Server 2013 Unified Messaging

This module explains the basic concept of Unified Messaging in Exchange Server 2013.

Lessons

- Overview of Telephony Technologies
- Unified Messaging in Exchange Server 2013
- Unified Messaging Components

Lab

- Unified Messaging Overview

After completing this module, students will be able to explain the basic concept of Unified Messaging in Exchange Server 2013.

Module 4: Designing and Implementing Exchange Server 2013 Unified Messaging

This module explains how to design and implement Exchange Server 2013 Unified Messaging.

Lessons

- Designing a Unified Messaging Deployment
- Deploying and Configuring Unified Messaging Components
- Designing and Implementing Exchange Server 2013 UM Integration with Lync Server 2013

Lab

- Designing and Implementing Exchange Server 2013 Unified Messaging

After completing this module, students will be able to design and implement Exchange Server 2013 Unified Messaging.

Module 5: Designing and Implementing Message Transport Security

This module explains how to design and implement message transport security.

Lessons

- Overview of Messaging Policy and Compliance Requirements
- Designing and Implementing Transport Compliance
- Designing and Implementing Active Directory Rights Management Services (ADRMS) Integration with Exchange Server 2013

Lab

- Designing and Implementing Message Transport Security

After completing this module, students will be able to design and implement message transport security.

Module 6: Designing and Implementing Message Retention

This module explains how to design and implement message retention in Exchange Server 2013.

Lessons

- Overview of Messaging Records Management and Archiving
- Designing In-Place Archiving
- Designing and Implementing Message Retention

Lab

- Designing and Implementing Message Retention

After completing this module, students will be able to design and implement message retention in Exchange Server 2013.

Module 7: Designing and Implementing Messaging Compliance

This module explains how to design and implement messaging compliance.

Lessons

- Designing and Implementing Data Loss Prevention
- Designing and Implementing In-Place Hold
- Designing and Implementing In-Place eDiscovery

Lab

- Designing and Implementing Messaging Compliance

After completing this module, students will be able to design and implement messaging compliance.

Module 8: Designing and Implementing Administrative Security and Auditing

This module explains how to design and implement administrative security in an Exchange Server 2013 environment.

Lessons

- Designing and Implementing Role-Based Access Control (RBAC)

- Designing and Implementing Split Permissions
- Planning and Implementing Audit Logging

Lab

- Designing and Implementing Administrative Security and Auditing

After completing this module, students will be able to design and implement administrative security in an Exchange Server 2013 environment.

Module 9: Managing Exchange Server 2013 with Exchange Management Shell

This module explains how to use Windows PowerShell 3.0 to manage Exchange Server 2013.

Lessons

- Overview of Windows PowerShell 3.0
- Managing Exchange Server Recipients by Using the Exchange Management Shell
- Using Windows PowerShell to Manage Exchange Server

Lab

- Managing Microsoft Exchange Server 2013 by Using Exchange Management Shell

After completing this module, students will be able to use Windows PowerShell 3.0 to manage Exchange Server 2013.

Module 10: Designing and Implementing Integration with Microsoft Exchange Online

This module explains how to design and implement integration with Exchange Online.

Lessons

- Planning for Exchange Online
- Planning and Implementing the Migration to Exchange Online
- Planning to Coexist with Exchange Online

Lab

- Designing Integration with Exchange Online

After completing this module, students will be able to design and implement integration with Exchange Online.

Module 11: Designing and Implementing Messaging Coexistence

This module explains how to design and implement messaging coexistence.

Lessons

- Designing and Implementing Federation
- Designing Coexistence Between Exchange Server Organizations
- Designing and Implementing Cross-Forest Mailbox Moves

Lab

- Implementing Messaging Coexistence

After completing this module, students will be able to design and implement messaging coexistence.

Module 12: Designing and Implementing Exchange Server Upgrades

This module explains how to design and implement upgrades from previous Exchange Server versions.

Lessons

- Planning the Upgrade from Previous Exchange Server Versions
- Implementing the Upgrade from Previous Exchange Versions

Lab

- Upgrading from Exchange Server 2010 to Exchange Server 2013

After completing this module, students will be able to design and implement upgrades from previous Exchange Server versions.