



20342: Advanced Solutions of Microsoft® Exchange Server 2013

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

This course will provide participants with the knowledge and skills to configure and manage a Microsoft Exchange Server 2013 messaging environment. It will teach them how to configure Exchange Server 2013. This course will provide guidelines, best practices, and considerations that will help attendees optimize their Exchange Server deployment.

Target Audience

This course is intended for:

- Persons aspiring to be enterprise-level messaging administrators.
- IT generalists and help desk professionals who want to learn about Exchange Server 2013.

Prerequisites

To attend this course, candidates should have:

- Completed the *20341: Core Solutions of Microsoft Exchange Server 2013* course or equivalent knowledge and skills.
- Minimum of six (6) months of experience working with Exchange Server 2010/2013.
- Minimum of two (2) years of experience:
 - Working with Exchange Server.
 - Administering Windows Server®, including Windows Server 2008 R2/2012.
 - Working with Active Directory®.
 - Working with name resolution, including DNS.
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows® PowerShell®.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Design and implement Exchange Server 2013 Unified Messaging.
- Design and implement site resiliency for Exchange Server 2013.
- Plan a virtualization strategy for Exchange Server 2013 roles.



Course Objectives *Continued*

- Design and implement message transport security.
- Design and implement message retention in Exchange Server 2013.
- Design and implement messaging compliance.
- Design and implement administrative security in an Exchange Server 2013 environment.
- Use the Windows PowerShell 3.0 command-line interface to manage Exchange Server 2013.
- Design and implement integration with Exchange Online.
- Design and implement messaging coexistence.
- Design and implement Exchange Server migrations from non-Exchange messaging systems, and upgrades from previous Exchange Server versions.

Course Topics *Continued*

Module 1: Designing and Implementing Site Resilience

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

Module 2: Planning Virtualization for Microsoft Exchange Server 2013

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

Module 3: Overview of Exchange Server 2013 Unified Messaging

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

Module 4: Designing and Implementing Exchange Server 2013 Unified Messaging

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

Module 5: Designing and Implementing Message Transport Security

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

Module 6: Designing and Implementing Message Retention

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



Course Topics *Continued*

Module 7: Designing and Implementing Messaging Compliance

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

Module 8: Designing and Implementing Administrative Security and Auditing

- Designing and Implementing Role-Based Access Control (RBAC)
- Designing and Implementing Split Permissions
- Planning and Implementing Audit Logging

Module 9: Managing Exchange Server 2013 with Exchange Management Shell

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

Module 10: Designing and Implementing Integration with Microsoft Exchange Online

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

Module 11: Designing and Implementing Messaging Coexistence

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

Module 12: Designing and Implementing Exchange Server Upgrades

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

LABS INCLUDED

