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ADVANCED SOLUTIONS OF MICROSOFT EXCHANGE SERVER 2013

Duration: 2 days

About this course

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.

Audience and Prerequisites

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- 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 following courses, or by obtaining equivalent knowledge and skills:

- Course 20341: Core Solutions of Microsoft Exchange Server 2013

Audience Profile

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, as a stand-alone, or as part of the requirement for the MCSE: Microsoft Exchange Server 2013 certification.

At Course Completion

After completing this course, students 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.
- 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 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

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
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Lab : Planning the Virtualization of Exchange Server 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

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

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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 AD RMS Integration with Exchange Server 2013

Lab : Designing and Implementing 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

Module 7- Designing and Implementing Message 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

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