

Course 20342B:

Advanced Solutions of Microsoft Exchange Server 2013

Course Details

Course Outline

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

- Implementing Site Resilience
- Validating Site Resilience

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

- Designing a Microsoft Exchange Server 2013 Deployment for a Large Organization
- Designing an Exchange Server 2013 Deployment for a Medium-Sized Organization
- Designing an Exchange Server 2013 Deployment for a Medium Complexity Organization

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

- Identifying Unified Messaging Components

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

- Designing the Unified Messaging Implementation
- Configuring Unified Messaging Features
- Configuring Unified Messaging Integration with Lync Server 2013
- Verify Unified Messaging Functionality

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 (AD RMS) Integration with Exchange Server 2013

Lab : Designing and Implementing Message Transport Security

- Planning a Message Transport Implementation
- Implementing Message Transport Security
- Implementing AD RMS and Exchange Server Integration

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

- Designing Message Retention and Archiving
- Implementing Message Retention and Archiving

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

- Designing Messaging Compliance
- Implementing Data Loss Prevention
- Implementing In-Place eDiscovery
- Comparing Messaging Policy and Compliance Options

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

- Designing a Solution
- Implementing Role-Based Access Control
- Implementing Mailbox Audit Logging
- Using Administrative Audit Logging to Troubleshoot
- Implementing and Testing Active Directory Split Permissions

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

- Exploring the Exchange Management Shell
- Using Exchange Management Shell to Manage Recipients

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

- Designing Integration with Microsoft 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

- Implementing Message Routing Coexistence
- Migrating User Mailboxes

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

- Documenting the Exchange Server 2010 Organization
- Deploying Exchange Server 2013
- Upgrading from Exchange Server 2010 to Exchange Server 2013
- Removing Exchange Server 2010

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