

## 20341 - Core Solutions of Microsoft Exchange Server 2013

Duration: 5 days

### Overview:

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 optimise their Exchange server deployment. This 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.

### Target Audience:

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 are professionals who are looking to take exam **70-341: 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.

### Pre-requisites:

Before attending this course, students must have:

- 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)

### Module 1: Deploying and Managing 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

### Module 2: Planning and Configuring Mailbox Servers

#### 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

### Module 3: Managing Recipient Objects

#### 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

### Module 4: Planning and Deploying 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

### Module 5: Planning and Configuring Messaging Client Connectivity

#### Lessons

- Client Connectivity to Client Access Server
- Configuring Outlook Web App
- Planning and Configuring Mobile Messaging
- 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

### Module 6: Planning and Configuring 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

### Module 7: Planning and Implementing 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

- 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, students 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

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### Module 8: Planning and Implementing 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

### Module 9: Planning and Configuring 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

### Module 10: Planning and Configuring Administrative Security and 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

### Module 11: Monitoring and Troubleshooting 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