

## Core Solutions of Microsoft Exchange Server 2016

This 4-day instructor-led course teaches IT professionals how to administer and support Exchange Server 2016.

Students will learn how to install Exchange Server 2016, and how to configure and manage an Exchange Server environment. The course covers how to manage mail recipients and public folders, including how to perform bulk operations using Exchange Management Shell.

Students also will learn how to manage client connectivity, message transport and hygiene, how to implement and manage highly available Exchange Server deployments, and how to implement back up and disaster recovery solutions.

The course also teaches students how to maintain and monitor an Exchange Server 2016 deployment. In addition, students will learn how to administer Exchange Online in an Office 365 deployment.

### Détails

- **Code** : CSMES2016
- **Durée** : 4 jours ( 28 heures )

#### Public

- Help desk professionals
- IT Professionals

#### Pré-requis

- – A minimum two years of experience administering Windows Server 2012 R@ or 2016.
- A minimum two years experience working with active Directory Domain Services (AD DS) and with name resolution including Domain Name System (DNS).
- Working knowledge of public key infrastructure (PKI)

### Objectifs

- Perform deployment and basic management of Exchange Server 2016
- Manage Exchange Server 2016
- Create and manage various recipient objects in Exchange Server 2016
- Use Exchange Management Shell to create and manage various recipient objects in Exchange Server 2016, and perform various tasks to automate Exchange management procedures
- Configure client connectivity to Exchange Server 2016, and manage Client Access services

### Programme

#### Module 1: Deploying and Managing Microsoft Exchange Server 2016

- Description
  - This module describes Exchange Server 2016 prerequisites and requirements, deployment and management
- Lessons
  - Exchange Server 2016 Prerequisites and Requirements
  - Exchange Server 2016 Deployment
  - Managing Exchange Server 2016
- Lab: Deploying and Managing Exchange Server 2016
  - Evaluating Requirements and Prerequisites for an Exchange Server 2016 Installation
  - Deploying Exchange Server 2016
  - Managing Exchange Server 2016
- After completing this module, students will be able to:
  - Describe Exchange Server 2016 prerequisites and requirements
  - Perform an Exchange Server 2016 deployment

- Manage Exchange Server 2016

#### Module 2: Planning and Configuring Mailbox Servers

- Description
  - This module describes how to plan and configure the Mailbox server role
- Lessons
  - Overview of the Mailbox Server Role
  - Planning the Mailbox Server Deployment
  - Configuring the Mailbox Servers
- Lab: Configuring Mailbox Servers
  - Planning Configuration for Mailbox Servers
  - Configuring Storage on the Mailbox Servers
  - Creating and Configuring Mailbox Databases
- After completing this module, students will be able to:
  - Describe the Mailbox server role
  - Plan for a Mailbox server role deployment
  - Configure the Mailbox servers

### Module 3: Managing Recipient Objects

- Description
  - This module explains how to manage recipient objects, address policies, and address lists in Exchange Server 2016
- Lessons
  - Managing Exchange Server 2016 Mailboxes
  - Managing Other Exchange Recipients
  - Planning and Implementing Public Folder Mailboxes
  - Managing Address Lists and Policies
- Lab: Managing Recipient Objects
  - Configuring Trey Research Recipients
  - Configuring Address Lists and Policies for Trey Research
  - Configuring Public Folders for Trey Research
- After completing this module, students will be able to:
  - Manage Exchange Server 2016 mailboxes
  - Manage other Exchange Server 2016 recipients
  - Implement public folders
  - Configure address lists and policies

### Module 4: Planning and Deploying Client Access Servers

- Description
  - This module explains how to plan and implement the Client Access server role in Exchange Server 2016
- Lessons
  - Planning Client Access Server Deployment
  - Configuring the Client Access Server Role
  - Managing Client Access Services
- Lab: Deploying and Configuring a Client Access Server Role
  - Configuring Certificates for the Client Access Server
  - Configuring Client Access Services Options
  - Configuring Custom MailTips
- After completing this module, students will be able to:
  - Plan Client Access server deployment
  - Configure the Client Access server roles
  - Manage Client Access services

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

- Description
  - This module explains how to plan and configure Microsoft Outlook Web App and mobile messaging in Exchange Server 2016
- Lessons
  - Client Connectivity to the 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 2016 through TMG 2010
- After completing this module, students will be able to:
  - Describe the client services Exchange Server 2016 provides
  - Configure Outlook Web App
  - Plan and configure mobile messaging
  - Configure secure Internet access for Client Access server

### Module 6: Planning and Implementing High Availability

- Description
  - This module explains the high-availability technology built into Exchange Server 2016, and some of the outside factors that affect highly available solutions
- Lessons
  - High Availability on Exchange Server 2016
  - 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
- After completing this module, students will be able to:
  - Describe high availability in Exchange Server 2016
  - Configure highly available mailbox databases
  - Configure highly available Client Access servers

### Module 7: Planning and Implementing Disaster Recovery

- Description
  - This module explain how to plan, implement disaster mitigation, and recovery in Exchange Server 2016
- Lessons
  - Planning for Disaster Mitigation
  - Planning and Implementing Exchange Server 2016 Backup
  - Planning and Implementing Exchange Server 2016 Recovery
- Lab: Implementing Disaster Recovery for Exchange Server 2016
  - Backing Up Exchange 2016
  - Restoring Exchange Server 2016 Data
- After completing this module, students will be able to:
  - Plan disaster mitigation
  - Plan and implement Exchange Server 2016 backup
  - Plan and implement Exchange Server 2016 recovery

### Module 8: Planning and Configuring Message Transport

- Description
  - This module explains how to plan and configure message transport in an Exchange Server 2013 organization
- Lessons

- Overview of Message Transport and Routing
- 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
- After completing this module, students will be able to:
  - Describe message transport in Exchange Server 2016
  - Plan and configure message transport
  - Manage transport rules

### Module 9: Planning and Configuring Message Hygiene

- Description
  - This module explains how to plan messaging security, implement an antivirus and anti-spam solution for Exchange Server 2016
- Lessons
  - Planning Messaging Security
  - Implementing an Antivirus Solution for Exchange Server 2016
  - Implementing an Anti-Spam Solution for Exchange Server 2016
- Lab: Planning and Configuring Message Security
  - Configuring Antimalware Options in Exchange Server 2016
  - Configuring Anti-Spam Options on Exchange Server
  - Validating Antimalware and Anti-Spam Configuration
- After completing this module, students will be able to:
  - Plan messaging security
  - Implement an antivirus solution for Exchange Server 2016
  - Implement an anti-spam solution for Exchange Server 2016

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

- Description
  - This module explains how to configure role-based access control (RBAC) permissions and configure audit logging
- 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 2016
- After completing this module, students will be able to:
  - Configure RBAC permissions
  - Configure audit logging

### Module 11: Monitoring and Troubleshooting Microsoft Exchange Server 2016

- Description
  - This module explains how to monitor, maintain, and troubleshoot your Exchange Server 2016 environment
- Lessons
  - Monitoring Exchange Server 2016
  - Maintaining Exchange Server 2016
  - Troubleshooting Exchange Server 2016
- Lab: Monitoring and Troubleshooting Exchange Server 2016
  - Monitoring Exchange Server
  - Troubleshooting Database Availability
  - Troubleshooting Client Access Servers
- After completing this module, students will be able to:
  - Monitor Exchange Server 2016
  - Maintain Exchange Server 2016
  - Troubleshoot Exchange Server 2016

### Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages