Exchange 2016 : installation, configuration, and administration

Hands-on course of 5 days - 35h
Ref.: EAN - Price 2025: €3 280 (excl. taxes)

Instructional goals

EDUCATIONAL OBJECTIVES
At the end of the training, the trainee will be able to:

Conduct common administrative tasks

Configure Outlook and Outlook Web App (OWA)

Set up message tracking and archiving.

Implement the database availability group (DAG)

Participants

THE PROGRAMME ────────────

last updated: 08/2024

1) » Overview and new features
- The different editions of Exchange 2016, types of licenses.
- Discovering the new features of Exchange 2016.
- Available administrative tools.
- Tools: The Exchange Administration Center (EAC) and PowerShell.
- The Exchange Management Shell environment (EMS).
- The new Exchange 2016 architecture.
- Interconnection with the Internet.
- Positioning of various Exchange server roles.
- Hands-on work ¤Creating an Exchange 2016 Internet interconnection plan.

2) » Installing Exchange 2016
- Installation methods: GUI or PowerShell.
- Setting up the system's physical platform.
- Installing Exchange 2016 Verifying that the installation is working properly.
- Installing a client workstation with Outlook.
- Integration with Active Directory.
- Finalizing deployment to prepare for the production environment.
- Defining Exchange roles.
- Required hardware and software configuration.
- Virtualization and Best Practices for Exchange Server 2016 virtualization.
- Hands-on work ¤Setting up the system's physical platform. Installing Exchange 2016.

3) » Basic administration
- Administration via the Exchange Administration Center (EAC).
- Administering roles and permissions.
- Creating and managing mailboxes and address lists.
- Creating distribution groups, contacts, resource mailboxes, and groups.
- Creating and managing multiple domain names.

- Managing various e-mail addresses.
- Hands-on work ¤Configuring addresses, strategies, and protocols.

4) » Managing storage, databases, and archiving
- Managing storage and archiving.
- Basic principles of Exchange data.
- Creating and administering databases.
- Implementing archive mailboxes.
- Configuring legal archiving.
- Hands-on work ¤Creation and administering databases for storage and archiving. Moving mailboxes.

5) » Managing client access
- Managing client access: New features.
- Managing automatic discovery.
- Configuring the various URLs and the naming space.
- Accessing messages via Outlook 2016 and MAPI Over HTTP.
- Configuring Outlook and MAPI Over HTTP.
- Configuring the Outlook Web App (OWA)/Web Outlook user interface.
- Configuring mobile access on an iPhone, Android, Windows Phone.
- Hands-on work ¤Configuring URLs, OWA, and Outlook.

6) » Managing message transport
- Introduction to message transport.
- Configuring transport for external connectivity.
- Configuring transport rules.
- Setting up message tracking and archiving.
- Internet connectivity.
- Hands-on work ¤Configuring Exchange transport, Internet connectivity. Setting up message tracking and archiving.

7) » Security in Exchange Server 2016
- Managing antivirus protection and configuring spam blockers.
- Securing the protocols SMTP, POP, and IMAP.
- Backup and restore: Planning backup and restore.
- The various backup strategies, recovery in a disaster.
- Tracking performance. Server monitoring.
- Introduction to role-based access control (RBAC).
- Configuring role-based access control
- Monitoring and tracking messages.
- Hands-on work ¤Installing and configuring spam and virus protections. Backup and restore. Monitoring and tracking messag

8) » Notions of High Availability
- Introduction to High Availability in Exchange.
- The operating principle of the DAG (database availability group).
- Various high-availability solutions for client access.
- High availability for transport and Active Directory.
- Setting up the database availability group (SAG).
- Settings and handover tests.
- Site resiliency and geo-clusters.
- Hands-on work ¤Setting up the database availability group (SAG). Settings and handover tests.

9) » Interconnection with Exchange 2016
- Interconnection with voice: Introduction to unified messaging (VoIP).
- Interconnection with Lync.

- Interconnection with SharePoint.

DATES

Contact us