

Updated on 14/08/2025

Sign up

Exchange Server Training

3 days (21 hours)

Overview

Exchange Server is Microsoft's enterprise messaging platform. An on-premises and hybrid solution, it hosts mailboxes, orchestrates SMTP flows and secures exchanges.

This course will teach you how to install and configure a server, administer recipients and supervise transport.

You'll implement security (RBAC, TLS, DLP), high availability (DAG) and a hybrid mode with Microsoft 365/Entra ID, and you'll know how to troubleshoot efficiently and automate via PowerShell.

As with all our training courses, this one features [the latest stable version of Exchange Server](#).

Objectives

- Install and configure Exchange Server
- Manage recipients and mail flows
- Implement security, compliance and DLP
- Deploy DAG and PRA
- Set up hybrid mode with Microsoft 365/Entra ID
- Automate via PowerShell/EMS

Target audience

- System/messaging administrators, infrastructure engineers
- Microsoft 365/Exchange consultants
- N2/N3 support teams and IT managers
- Profiles undergoing retraining with a Windows Server background

Prerequisites

- Windows Server basics
- Knowledge of Active Directory and certificates
- PowerShell basics recommended

Our Exchange Server training program

Discovering the architecture and preparing the environment

- Exchange Server roles (on-premises, hybrid, SE and 2019)
- Topology, databases and interaction with Active Directory
- System, network, DNS and certificate requirements
- Best practices in sizing and security
- Admin tools: EAC and Exchange Management Shell (PowerShell)
- Workshop: Mapping a target architecture and checking prerequisites

Installation and initial configuration

- Choosing the Windows Server platform and preparing the forest
- Step-by-step installation procedure
- Setting up organization and access names
- Certificate management
- Initial hardening: RBAC, authentication, anti-malware
- Workshop: Installing a test Exchange server and validating URLs

Recipients, mailboxes and client accesses

- Recipient types: user, resource, room, equipment, shared
- Creation/management via EAC and PowerShell
- MAPI/HTTP, OWA, Outlook Anywhere, POP/IMAP/SMTP
- Group and delegation management
- Client access supervision and connectivity testing
- Workshop: Creating a shared mailbox and configuring client access

Mail flow and transport

- Transport pipeline and service roles
- Send/receive connectors, DNS and SMTP relays
- Transport rules, DLP, anti-spam/anti-malware
- Queues, protocols, logs and diagnostics
- Traceability: message tracking, protocol logs, queues
- Workshop: Designing and deploying connectors + DLP rules

Security, compliance and governance

- RBAC model, authentication and conditional access (hybrid)
- Message encryption (S/MIME, OME)
- Archiving, retention, hold, eDiscovery
- Box administration and access auditing
- Best practices for hardening and managing SUs/CUs
- Workshop: Implementing a Hold strategy and an eDiscovery case study

High availability and backups

- HA/DR concepts and disaster recovery planning
- DAG: creation, networks, quorum, base copies
- Backup/restore strategies (VSS, log shipping)
- Update management in DAG environment
- Switchover tests and service validation
- Workshop: Setting up a mini DAG and testing a controlled failover

Supervision, maintenance and automation

- Monitoring: HealthChecker, perfmon, logs, alerting
- Capacity planning and base maintenance
- PowerShell/EMS: recurring admin scripts
- Inventory, reporting and dashboards
- Lifecycle management (patching, CU, SU)
- Workshop: Writing a PowerShell daily audit script

Hybridization with Microsoft 365 (Entra ID)

- Hybrid scenarios: mail flow, free/busy, migration
- Hybrid Configuration Wizard & dedicated hybrid app
- Entra ID, synchronization and hybrid RBAC
- SSL/TLS, certificates, DNS and inter-tenant security
- Best practices and pitfalls to avoid
- Workshop: Setting up a hybrid test flow

Migrations, troubleshooting and best practices

- Migration paths (legacy 2019/SE, to Exchange Online)
- Troubleshooting methodology (connectivity, transport, clients)
- Tools: ExRCA, Get-ExchangeDiagnosticInfo, Test-OutlookConnectivity
- Real incident scenarios and guided solutions
- Post-project checklist and skills transfer
- Workshop: Diagnosing an OWA/Autodiscover incident from start to finish

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology, or to

acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming training course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical training: 60% hands-on, 40% theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Certification

A certificate will be awarded to each trainee who has completed the entire course.