

# Course : Exchange 2016 infrastructure design

**Practical course - 2d - 14h00 - Ref. EXS**

**Price : 1400 CHF E.T.**

Learn how to deploy a quality Exchange 2016 service. This version of Microsoft's messaging system makes it easier to access email, voicemail and calendars from multiple devices and any location, while giving users more control and security.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Design and size the Exchange 2016 solution in terms of message transport infrastructure
- ✓ Design and size the Exchange 2016 solution in terms of storage and archiving infrastructure
- ✓ Understanding the new role typology in Exchange Server 2016
- ✓ Install Exchange Server 2016 and integrate it with Active Directory

## Intended audience

System administrators, project managers, anyone responsible for installing and deploying Exchange Server 2016.

## Prerequisites

2-20 "Exchange Server 2016 - Administration" or experience of installing, managing, maintaining and updating Exchange Server.

## Practical details

### Hands-on work

Training alternating theory and practice.

## Course schedule

### PARTICIPANTS

System administrators, project managers, anyone responsible for installing and deploying Exchange Server 2016.

### PREREQUISITES

2-20 "Exchange Server 2016 - Administration" or experience of installing, managing, maintaining and updating Exchange Server.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## 1 Exchange design basics

- Presentation of design documents.
- Functional specification, architecture summary.
- Requirements for migration or legacy integration.
- Interoperability with third-party applications.
- Design of transport, customer access and mailboxes.
- Exchange solution sizing.

## 2 Exchange architectural concepts

- Exchange server evolution.
- New role typology.
- High availability.
- Exchange Online integration.

### Hands-on work

Create a positioning plan for the different Exchange server roles in a case study.

## 3 Server installation and integration

- Installation of Exchange 2016, a client workstation with Outlook.
- Integration with Active Directory (AD).
- Virtualization of Exchange server 2016.

### Hands-on work

Installing Exchange 2016.

## 4 Migration to Exchange Server 2016

- Hyper-V reminder, virtualizing Exchange Server roles.
- Migration from different messaging systems and previous versions.

## 5 Designing a message transport infrastructure

- Transport for external connectivity. LAN and Internet transport.
- Legal archiving, transport rules.
- Monitoring message archiving.

### Hands-on work

Within the framework of a case study, dimension and design the transportation infrastructure.

## 6 Designing a high-performance Exchange storage solution

- A brief history of Exchange storage
- Storage changes in Exchange 2016.
- Designing a high-performance Exchange storage solution.
- Selecting the right storage equipment.

### Hands-on work

Design a storage and archiving infrastructure as part of a case study.

## 7 High availability

- High availability for transport, customer access and AD.
- The Database Availability Group (DAG).
- Site resilience.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) to review your request and its feasibility.

