

# Course : Exchange 2019, advanced administration

Practical course - 3d - 21h - Ref. EXJ

Price : 1830 € E.T.

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This advanced course will help you master the administration of a messaging solution based on Exchange 2019. It covers migration from previous versions, supervision, automation via PowerShell and advanced management of message transport, storage and security.

## Teaching objectives

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

- ✓ Set up message tracking and archiving
- ✓ Implement advanced storage options
- ✓ Securing Exchange 2019

## Intended audience

System administrators, operators and integrators.

## Prerequisites

Good knowledge of Exchange 2019 or 2016 administration and Windows Server 2016, 2012 or 2008 in a domain environment.

## Course schedule

### 1 Migration to Exchange Server 2019, virtualization

- Virtualize Exchange Server 2019.
- Migration from different messaging systems and previous versions.

### Hands-on work

Implementation of a virtualized Exchange platform.

## PARTICIPANTS

System administrators, operators and integrators.

## PREREQUISITES

Good knowledge of Exchange 2019 or 2016 administration and Windows Server 2016, 2012 or 2008 in a domain environment.

## 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.

## 2 Advanced Exchange 2019 management with EMS (Exchange Management Shell)

- Reminder of PowerShell 5, 4 and 3.
- Introduction to PowerShell scripting.
- Use PowerShell to administer Exchange.

### Hands-on work

Create administration scripts.

## 3 Administrative security design and audit

- Implement role-based access control, manage permissions.
- Set up the audit.

### Hands-on work

Implement administrative roles.

## 4 Advanced administration and message transport security

- Advanced Exchange transport options.
- LAN and Internet transport.
- Enterprise messaging strategy and compliance.
- Transport conformity.
- Implement AD RMS integration with Exchange Server 2019.

### Hands-on work

Advanced transport options. Creation of a security policy.

## 5 Advanced storage administration

- Reminder of how storage works.
- Advanced storage administration tasks.

### Hands-on work

Advanced storage options.

## 6 Setting up message archiving

- Manage message records.
- Implement message retention.

### Hands-on work

Create an archiving policy.

## 7 Implementing site resilience

- Site resilience in Exchange Server 2019 for high availability.
- Interest in and implementation of resilience.

### Hands-on work

Creation of high availability and 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.

## 8 Managing the coexistence of Exchange messaging with the federation

- A reminder of approval relationships.
- Implement the federation.
- Manage the movement of mailboxes across different Active Directory forests.
- Outsourcing: how to outsource? The case of Exchange Online.