

# Ansible e-learning channel

*Practical course - 1d - 04h08 - Ref. 8AI*

*Price : 190 € E.T.*

Vous souhaitez automatiser efficacement vos tâches de déploiement, configuration et gestion d'infrastructure ? Cette chaine spécialisée sur Ansible vous apprendra à utiliser les fonctionnalités offertes par Ansible pour configurer des serveurs et déployer des applications efficacement. Préparez-vous à maîtriser tous les aspects de l'automatisation avec Ansible.

## Teaching objectives

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

- ✓ Installing Ansible
- ✓ Take inventory of servers to be configured
- ✓ Write a playbook to configure servers
- ✓ Install and get to grips with Ansible.
- ✓ Write playbooks to configure servers.
- ✓ Run server configuration scripts.
- ✓ Manage variables and templates and use special variables.
- ✓ Managing the notions of inventories, modules and YAML syntax
- ✓ Configuring playbook content
- ✓ Create and run your first server configuration scripts: playbooks
- ✓ Managing variables and models
- ✓ Using Jinja2 models
- ✓ Define their priority or visibility and use special variables

## Intended audience

Administrators and developers.

## Prerequisites

Basic knowledge of computer server configuration.

### PARTICIPANTS

Administrators and developers.

### PREREQUISITES

Basic knowledge of computer server configuration.

### 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.

### 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.

## Practical details

### Digital activities

IT structure: recorded courses, expert videos and best practice sharing.

### Mentoring

L'option tutorat propose un accompagnement personnalisé par un formateur référent ORSYS, expert du domaine. Adapté aux besoins, aux capacités et au rythme de chaque apprenant, ce tutorat combine un suivi asynchrone (corrections personnalisées d'exercices, échanges illimités par message...) et des échanges synchrones individuels. Bénéfice : une meilleure compréhension, le développement des compétences et un engagement durable dans la formation.

### Pedagogy and practice

A wealth of content produced by trainers following a rigorous pedagogical approach. During each course, operational cases are commented on by experts to help learners put into practice what they have just learned. To help learners anchor their memory, each content item is broken down into short sequences of 3 to 10 minutes. This enables each learner to learn dynamically and independently.

### 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.

## Course schedule

### 1 Ansible, centralized configuration of servers and applications

- Understanding Ansible.
- Discover the machine inventory.
- Deploy WordPress: install an Apache server.
- Deploying WordPress: installing a MariaDB database.
- Set up a Haproxy load balancer.

### 2 Ansible, creating and running your first playbooks

- Creation of playbooks.
- Practical work: creating playbooks.

### 3 Ansible, managing variables and models

- Variable and model management.
- Practical work on variables and models.