

# Course : Amazon Web Services (AWS) - Technical Essentials

Official course, Technical Essentials on AWS

**Practical course - 1d - 7h00 - Ref. AWG**

**Price : 890 € E.T.**

★★★★☆ 4,3 / 5

ActionCo

Nouvelle édition

Formation éligible au financement Atlas

With this training course, you'll learn about essential AWS services and common solutions. You'll learn the fundamental concepts of compute, database, storage, networking, monitoring and security. With this knowledge, you'll be able to make informed decisions about solutions that meet your business needs. Throughout the course, you'll discover how to design, compare and implement highly available, fault-tolerant, scalable and cost-effective cloud solutions.



## Teaching objectives

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

- ✓ Describe terminology and concepts related to AWS services
- ✓ Navigating AWS Management Console
- ✓ Explain the key concepts of AWS security measures and AWS identity and access management (IAM)
- ✓ Distinguish between several AWS compute services, including Amazon EC2, AWS Lambda, Amazon ECS and Amazon EKS
- ✓ Understand AWS database and storage offerings, including Amazon RDS, Amazon DynamoDB and Amazon S3
- ✓ Explore AWS networking services
- ✓ Accessing and configuring Amazon CloudWatch monitoring features

## Intended audience

SysOps administrators, solution architects, developers. Anyone wishing to get to grips with AWS for the first time.

## Prerequisites

Avoir de l'expérience dans le domaine de l'informatique. Connaissance de base des architectures et composants des centres de données (serveurs, réseaux, bases de données, applications, etc.).

## PARTICIPANTS

SysOps administrators, solution architects, developers. Anyone wishing to get to grips with AWS for the first time.

## PREREQUISITES

Avoir de l'expérience dans le domaine de l'informatique. Connaissance de base des architectures et composants des centres de données (serveurs, réseaux, bases de données, applications, etc.).

## TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## Certification

We recommend you take this course if you want to prepare for the various AWS certification exams.

[Comment passer votre examen ?](#)

## Practical details

### Teaching methods

Training in French. Official course material in English and digital format. Good understanding of written English.

## Course schedule

### 1 Introduction to Amazon Web Services

- Introduction to the AWS cloud.
- Security in the AWS cloud.
- Hosting of employee directory application in AWS.

#### Hands-on work

Introduction to AWS Identity and Access Management (IAM).

### 2 AWS calculation

- Calculation as a service in AWS.
- Introduction to Amazon Elastic Compute Cloud.
- Amazon EC2 instance lifecycle.
- AWS container services.
- What is serverless?
- Introduction to AWS Lambda.
- Choose the right calculation service.

#### Hands-on work

Launch the employee directory application on Amazon EC2.

### 3 AWS networking

- Networking in AWS.
- Introduction to Amazon Virtual Private Cloud (Amazon VPC).
- Amazon VPC routing.
- Amazon VPC security.

#### Hands-on work

Create a VPC and restart the enterprise directory application in Amazon EC2.

### 4 AWS storage

- AWS storage types.
- Amazon EC2 and Amazon Elastic Block Store (Amazon EBS) instance storage.
- Object storage with Amazon S3.
- Choosing the right storage service.

#### Hands-on work

Create an Amazon S3 compartment.

## ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

## TERMS AND DEADLINES

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

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## 5 Databases

- Explore databases in AWS.
- Amazon relational database service.
- Specially designed databases.
- Introducing Amazon DynamoDB.
- Choosing the right AWS database service.

### Hands-on work

Implement and manage Amazon DynamoDB.

## 6 Monitoring, optimization and server-free

- Monitoring.
- Optimization.
- Another serverless employee directory application architecture.

### Hands-on work

Configure high availability for your application

## Dates and locations

### REMOTE CLASS

2026 : 24 Mar., 28 Apr., 26 May, 23 June, 29 Sep.,  
27 Oct., 24 Nov., 15 Dec.

### PARIS LA DÉFENSE

2026 : 24 Mar., 28 Apr., 26 May, 23 June, 29 Sep.,  
27 Oct., 24 Nov., 15 Dec.