ITTcert
BY ORSYS

Course : Amazon Web Services (AWS) - Technical Essentials

Official course, Technical Essentials on AWS

Practical course - 1d - 7h00 - Ref. AWG
Price : 890 € E.T.

★★★★½   **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.).

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.

(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.