Publication date : 01/26/2024

Course : Amazon Web Services (AWS) - Cloud fundamentals

Official course, AWS Cloud Practitioner Essentials

Practical course - 1d - 7h00 - Ref. AWQ
Price : 870 € E.T.

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With this training, you will learn the fundamentals of AWS Cloud. It provides a detailed overview of cloud concepts, as well as AWS services, security, architecture, pricing, and support.

Teaching objectives

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

- Defining the AWS cloud and its basic global infrastructure
- Describe key AWS platform services and common use cases (calculation, analysis, etc.).
- Describe basic AWS cloud architecture principles
- Describe the basic security and compliance aspects of the AWS platform and the shared security model
- Define billing, account management and pricing models
- Identify sources of documentation or technical assistance
- Describe the AWS Cloud value proposition
- Describe important basic features for deployment and operation in the AWS cloud

Intended audience

Sales, legal and marketing staff. Business analysts, project managers, etc. All other IT-related professions.

Prerequisites

General technical knowledge of IT. General IT business knowledge.

Practical details

Teaching methods

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

PARTICIPANTS

Sales, legal and marketing staff. Business analysts, project managers, etc. All other IT-related professions.

PREREQUISITES

General technical knowledge of IT. General IT business knowledge.

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.

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.

Course schedule

1 Introduction to Cloud AWS

- Summarize the benefits of Amazon Web Services.
- Describe the differences between on-demand delivery and cloud deployments.
- Summarize the pay-as-you-go pricing model.

2 Calculation

- Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level.
- Identify the different types of Amazon EC2 instances.
- Differentiate between the different billing options for Amazon EC2.
- Describe the benefits of Amazon EC2 Auto Scaling.
- Summarize the benefits of Elastic Load Balancing.
- Give an example of the uses of Elastic Load Balancing.
- Differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS).
- Summarize additional AWS calculation options.

3 Global AWS infrastructure and reliability

- Summarize the advantages of AWS global infrastructure.
- Describe the basic concept of availability zones.
- Describe the advantages of Amazon CloudFront and Edge locations.
- Compare different methods of provisioning AWS services.

4 Networks

- Describe the basic concepts of networking.
- Describe the difference between public and private network resources.
- Explain a virtual private gateway using a real-life scenario.
- Explain a virtual private network (VPN) using a real-life scenario.
- Describe the benefits of AWS Direct Connect.
- Describe the advantages of hybrid deployments.
- Describe the layers of security used in an IT strategy.
- Describe which services are used to interact with the global AWS network.

5 Storage and databases

- Summarize the basic concept of storage and databases.
- Describe the benefits of Amazon Elastic Block Store (Amazon EBS).
- Describe the benefits of Amazon Simple Storage Service (Amazon S3).
- Describe the benefits of Amazon Elastic File System (Amazon EFS).
- Summarize various storage solutions.
- Describe the benefits of Amazon Relational Database Service (Amazon RDS).
- Describe the advantages of Amazon DynamoDB.
- Summarize various database services.

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 so that we can assess your request and its feasibility.

6 Security

- Explain the advantages of the shared responsibility model.
- Describe multi-factor authentication (MFA).
- Differentiate between AWS Identity and Access Management (IAM) security levels.
- Describe security policies at a basic level.
- Explain the advantages of AWS organizations.
- Summarize the benefits of AWS compliance.
- Explain the main AWS security services at a basic level.

7 Monitoring and analysis

- Summarize approaches to monitoring your AWS environment.
- Describe the benefits of Amazon CloudWatch.
- Describe the benefits of AWS CloudTrail.
- Describe the benefits of AWS Trusted Advisor.

8 Pricing and support

- Understand AWS pricing and support models.
- Describe the free AWS offer.
- Describe the main advantages of AWS organizations and consolidated billing.
- Explain the advantages of AWS budgets.
- Explain the benefits of AWS Cost Explorer.
- Explain the main advantages of the AWS pricing calculator.
- Distinguish between the different AWS support plans.
- Describe the benefits of AWS Marketplace.

9 Migration and innovation

- Understand migration and innovation in the AWS cloud.
- Summarize the AWS Cloud Adoption Framework (AWS CAF).
- Summarize the six key factors of a cloud migration strategy.
- The benefits of various AWS data migration solutions, such as AWS Snowcone, AWSSnowball and AWS Snowmobile.
- Summarize the wide range of innovative solutions offered by AWS.
- Summarize the five pillars of the AWS Well-Architected framework.

10 AWS Certified Cloud Practitioner basics

- Identify resources to prepare for the AWS Certified Cloud Practitioner exam.
- Describe the benefits of AWS certification.

Options

Certification : 120 € HT

Successful completion of the exam leads to AWS Certified Cloud Practitioner certification.
Comment passer votre examen ?

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.

Dates and locations

REMOTE CLASS
2026 : 23 June, 6 Oct., 15 Dec.

PARIS LA DÉFENSE
2026 : 23 June, 6 Oct., 15 Dec.