


AWS Technical Essentials

Date and duration
Training code : AWS01EN Duration : 1 day Nombre d'heures : 7 heures
Training with certification
AWS Certified Cloud Practitioner
Body
<p>Amazon Web Services (AWS) provides on-demand cloud computing infrastructure and APIs for individuals, businesses, and governments. AWS offers a wide variety of services, including compute, storage, databases, networking, application integration, and security. These services can be combined to build a broad range of solutions—from simple websites to complex applications.</p> <p>This intensive training will equip you with the practical skills to understand and use the essential AWS services. You will explore in depth key AWS tools and services such as Amazon EC2, Amazon S3, Amazon RDS, and Amazon VPC. Through hands-on workshops, you will learn how to distinguish between compute, storage, and database services, and how to configure monitoring features.</p> <p>By the end of this one-day introductory course, you will have the expertise to understand the fundamental AWS concepts and start building cloud computing solutions. You will master the terminology and best practices for designing scalable and cost-effective solutions, and gain the ability to efficiently navigate the AWS Management Console.</p> 
<i>As a premium Authorized Training Partner (ATP) recognized by Amazon Web Services, Oo2 offers qualifying and certifying training programs that meet AWS's rigorous quality standards.</i>
Objectifs
<p><i>By the end of the AWS Technical Essentials training, you will be able to:</i></p> <ul style="list-style-type: none">• Describe the terminology and key concepts related to fundamental AWS services• Navigate the AWS Management Console efficiently to manage resources• Explain the core concepts of AWS security measures and AWS Identity and Access Management (IAM) to secure cloud resources• Distinguish between AWS compute services—including Amazon EC2, AWS Lambda, Amazon ECS, and Amazon EKS—in order to choose the right service for a use case• Understand AWS database and storage offerings—including Amazon RDS, Amazon DynamoDB, and Amazon S3—and their use cases

- Explore AWS networking services, particularly Amazon VPC, and understand the basics of cloud networking
- Access and configure Amazon CloudWatch features to monitor application performance and health
- Effectively prepare for the AWS SysOps Administrator Associate, AWS Developer Associate, and AWS Solutions Architect Associate certification exams

Points forts

- **Certified AWS Expert Instructors:** Benefit from the expertise of AWS-recognized and certified trainers with in-depth knowledge of core AWS services and best practices for building cloud solutions.
- **Interactive Hands-On Learning:** Master AWS services through real-world demonstrations and practical workshops. You will be prepared to navigate the AWS Management Console, configure services, and deploy simple applications.
- **Key Skills Acquisition:** The training content is carefully designed to help you gain the essential skills to understand AWS core concepts, choose the right services for your needs, and [begin your AWS certification journey](#).

Certification

This training provides intensive preparation for the AWS Certified Cloud Practitioner exam. At the end of the course, you will receive a voucher code to schedule your exam.

AWS Certified Cloud Practitioner Exam Details:

- Format: Multiple-choice, 65 questions
- Duration: 90 minutes
- Delivery: Pearson VUE testing centers or AWS online proctoring platform
- Languages available: English, Bahasa (Indonesian), French (France), German, Italian, Japanese, Korean, Portuguese (Brazil), Spanish (Latin America), Spanish (Spain), Simplified Chinese, and Traditional Chinese

Upon passing the exam, you will earn the AWS Certified Cloud Practitioner certification and receive a digital badge.

Important to know: *The AWS Certified Cloud Practitioner certification is valid for three years and requires recertification. [Learn more about AWS certification renewal](#).*

Modalités d'évaluation

Practical Work

Pré-requis

Prerequisites for Attending this AWS Training:

- Practical experience with distributed systems
- Understanding of general networking concepts (e.g., TCP/IP, DNS, etc.)
- Ability to work with multi-tier architectures (e.g., 3-tier web applications)
- Familiarity with core cloud computing concepts
- Basic knowledge of common data center architectures and components (servers, storage, databases, applications)

Public

This training is intended for the following audiences:

- **IT sales and consulting professionals** responsible for presenting the technical benefits of AWS services to clients
- **Beginner IT professionals** who want to acquire the fundamental skills to get started with AWS, including navigating the AWS Management Console and using core services
- **SysOps administrators** looking to expand their expertise to managing infrastructure and applications on the AWS Cloud
- **Solutions architects** who need to design and deploy scalable, reliable, and cost-effective cloud solutions on AWS
- **Developers** who want to integrate AWS services into their applications and optimize their development process using AWS tools and best practices

Programme

Module 1: Understanding AWS Fundamentals

- Basic operation of the AWS Cloud service
- Security in the AWS Cloud
- Hosting an employee directory application on AWS

Lab:

- Navigate AWS Identity and Access Management (IAM)

Module 2: Discovering and Using AWS Compute Services

- Compute as a service in AWS
- Basic operation of Amazon Elastic Compute Cloud (Amazon EC2)
- The Amazon EC2 instance lifecycle
- Managing AWS container services
- Understanding serverless computing
- Basic operation of AWS Lambda
- Choosing the right compute service

Lab:

- Launch the employee directory application on Amazon EC2

Module 3: Configuring and Securing Your AWS Network

- Networking in AWS
- Basic operation of Amazon Virtual Private Cloud (Amazon VPC)
- Routing and security in Amazon VPC

Lab:

- Create a VPC and relaunch the employee directory application on Amazon EC2

Module 4: Choosing and Using AWS Storage Solutions

- Different types of AWS storage
- Instance storage with Amazon EC2 and Amazon EBS
- Object storage with Amazon S3
- Choosing the right storage service

Lab:

- Create an Amazon S3 bucket

Module 5: Deploying and Managing AWS Databases

- How databases work in AWS
- Amazon Relational Database Service (Amazon RDS)
- Specialized databases
- Basic operation of Amazon DynamoDB
- Choosing the right AWS database service

Lab:

- Implement and manage Amazon DynamoDB

Module 6: Monitoring, Optimizing, and Deploying Serverless Applications on AWS

- Monitoring
- Optimization
- Alternative architecture of the employee directory application using serverless

Lab:

- Configure high availability for your application

Module 7: Course Conclusion

- Review of key learning points
- Overview of AWS certification levels

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