

AWS Cloud Practitioner Essentials

AWS Classroom Training

Course description

This fundamental-level course is intended for individuals who seek an overall understanding of the AWS Cloud, independent of specific technical roles. You will learn about AWS cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. Throughout the day there are hands-on lab exercises to reinforce some of the core concepts of the class. It also helps you prepare for the AWS Certified Cloud Practitioner exam.

Level	Modality	Duration
Fundamental	Instructor-led training and hands-on labs	1 day

Course objectives

In this course, you will learn how to:

- Define what the cloud is and how it works
- Differentiate between cloud computing and deployment models
- Describe the AWS Cloud value proposition
- Describe the basic global infrastructure of the cloud
- Compare the different methods of interacting with AWS
- Describe and differentiate between AWS service domains
- Given a scenario, identify an appropriate solution using AWS Cloud services
- Describe the Well-Architected Framework
- Describe basic AWS Cloud architectural principles
- Explain the Shared Responsibility model
- Describe security services with the AWS Cloud
- Define the billing, account management, and pricing models for the AWS platform

Intended audience

This course is intended for:

- Sales and Marketing
- Legal
- Business Analysts
- Project Managers
- AWS Academy students
- IT professionals

Prerequisites

- There are no prerequisites for this course.

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Course outline

Day One

Module 1: Introduction to the AWS Cloud

- What is the AWS Cloud?
- What are the benefits of the AWS Cloud?
- AWS global infrastructure
- AWS management interfaces

Module 2: Getting started with the cloud

- Get started with AWS services
- Build your infrastructure
- Store your data
- Secure your data
- Hands-on lab: Amazon Simple Storage Service

Module 3: Building in the cloud

- Go beyond servers and storage
- Monitor AWS resources
- Manage demand efficiently
- Deploy database services
- Automate deployment
- Connect and share data
- Deliver content faster.
- Hands-on lab: Build a Web Server on Amazon EC2

Module 4: Security

- Secure your infrastructure
- Manage authentication and authorization
- Assess your security and compliance
- Protect your infrastructure from Distributed Denial of Service (DDoS) attacks
- AWS security compliance

Module 5: Pricing models and cloud application support

- Fundamentals of pricing
- Cost estimating tools
- AWS Support
- Hands-on lab: Auditing Security with AWS Trusted Advisor

Module 6: Architecture

- The AWS Well-Architected Framework
- Reference architectures
- The future of the AWS Cloud