AWS Cloud Practitioner Essentials

Category: Cloud Platforms | **Vendor:** Amazon Web Services

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	AWS Certified Cloud Practitioner
Related Exam:	AWS Certified Cloud Practitioner; success in the AWS Certified Cloud Practitioner

Course Overview

Cloud computing is reshaping industries, with 94% of enterprises using cloud services. The AWS Cloud Practitioner Essentials course is the perfect starting point for those new to AWS. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.

About This Course

Cloud computing is reshaping industries, with 94% of enterprises using cloud services. The AWS Cloud Practitioner Essentials course is the perfect starting point for those new to AWS. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.

Who Should Attend

This course is ideal for professionals seeking foundational AWS knowledge, including sales, legal, marketing, business analysts, project managers, AWS Academy students, and other IT-related professionals. No technical background is required.

Prerequisites & Entry Requirements

General Prerequisites:

General IT technical knowledge, General IT business knowledge

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course will equip you with a comprehensive understanding of cloud computing fundamentals and AWS architecture. You will learn to identify and describe core AWS services, including compute, storage, and networking, and understand key security measures and compliance requirements. Additionally, you will explore AWS pricing models and cost management tools to optimize cloud usage. By the end of the course, you will be able to apply best practices for cloud adoption and operational efficiency within AWS environments, preparing you for success in the AWS Certified Cloud Practitioner exam.

Detailed Course Outline

1 - Introduction to Amazon Web Services

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

2 - Compute in the Cloud

- Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level
- Identify the different Amazon EC2 instance types
- Differentiate between the various 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 for Elastic Load Balancing
- Summarize the differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS)
- Summarize additional AWS compute options

3 - Global Infrastructure and Reliability

- Summarize the benefits of the AWS Global Infrastructure
- Describe the basic concept of Availability Zones
- Describe the benefits of Amazon CloudFront and Edge locations
- Compare different methods for provisioning AWS services

4 - Networking

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

5 - Storage and Databases

- Summarize the basic concept of storage and databases
- Describe benefits of Amazon Elastic Block Store (Amazon EBS)
- Describe 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 benefits of Amazon DynamoDB
- Summarize various database services

6 - Security

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

7 - Monitoring and Analytics

- 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 AWS Free Tier
- Describe key benefits of AWS Organizations and consolidated billing
- Explain the benefits of AWS Budgets
- Explain the benefits of AWS Cost Explorer
- Explain the primary benefits of the AWS Pricing Calculator
- Distinguish between the various 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 six key factors of a cloud migration strategy
- Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile
- Summarize the broad scope of innovative solutions that AWS offers
- Summarize the five pillars of the AWS Well-Architected Framework

10 - AWS Certified Cloud Practitioner Basics

- Determine resources for preparing for the AWS Certified Cloud Practitioner examination
- Describe benefits of becoming AWS Certified

, Module 1: Introduction to Amazon Web Services

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Module 2: Compute in the Cloud

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- Summarize additional AWS compute options

Module 3: Global Infrastructure and Reliability

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Module 4: Networking

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Module 5: Storage and Databases

- Summarize the basic concept of storage and databases
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Module 6: Security

- Explain the benefits of the shared responsibility model
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- Differentiate between the AWS Identity and Access Management (IAM) security levels
- Describe security policies at a basic level
- Explain the benefits of AWS Organizations
- Summarize the benefits of compliance with AWS
- Explain primary AWS security services at a basic level

Module 7: Monitoring and Analytics

- 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, Global Infrastructure and Reliability, Storage and Databases, Networking, Introduction to Amazon Web Services, Compute in the Cloud, Migration and Innovation, AWS Certified Cloud Practitioner Basics, Pricing and Support, Monitoring and Analytics, Security

□□ Certification Path

AWS Certified Cloud Practitioner

Exam: AWS Certified Cloud Practitioner; success in the AWS Certified Cloud Practitioner

Skills You Will Learn:

In this course, you will learn how to:

- Summarize the working definition of AWS
- Differentiate between on-premises, hybrid-cloud, and all-in cloud
- Describe the basic global infrastructure of the AWS Cloud
- Explain the six benefits of the AWS Cloud
- Describe and provide an example of the core AWS services, including compute, network, databases, and storage
- Identify an appropriate solution using AWS Cloud services with various use cases
- Describe the AWS Well-Architected Framework
- Explain the shared responsibility model
- Describe the core security services within the AWS Cloud
- Describe the basics of AWS Cloud migration
- Articulate the financial benefits of the AWS Cloud for an organization’s cost management
- Define the core billing, account management, and pricing models
- Explain how to use pricing tools to make cost-effective choices for AWS services

Upcoming Schedule

Available training dates for AWS Cloud Practitioner Essentials:

Start Date	End Date	Location	Delivery	Price
03 Dec 2026	03 Dec 2026	Online	Virtual	€695.00
12 Jan 2027	12 Jan 2027	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AWS Cloud Practitioner Essentials?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AWS Cloud Practitioner Essentials course helps prepare you for the AWS Certified Cloud Practitioner certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AWS Certified Cloud Practitioner; success in the AWS Certified Cloud Practitioner official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AWS Cloud Practitioner Essentials course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AWS Cloud Practitioner Essentials training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AWS Cloud Practitioner Essentials?

Yes, we provide corporate training, dedicated training, and closed classes for AWS Cloud Practitioner Essentials. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AWS Cloud Practitioner Essentials, AWS Essentials Training, CP-ESS, Amazon Web Services, vILT

Q: Why choose Nexus Human for AWS Cloud Practitioner Essentials?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AWS Cloud Practitioner Essentials training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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