



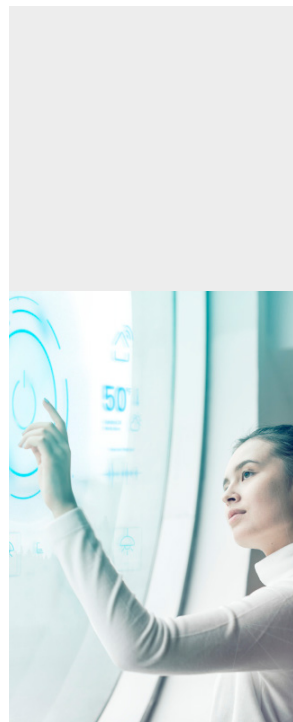
AWS CLOUD PRACTITIONER ESSENTIALS CERTIFICATION TRAINING

Course Level:
Fundamental

Course Overview:

This AWS Certified Cloud Practitioner training course from CT offers candidates with the required skills and knowledge necessary to understand AWS Cloud concepts, AWS services, architecture, security, pricing, and support. Taking up this AWS Cloud Practitioner training prepares candidates for the AWS Certified Cloud Practitioner exam.

Candidates attending our AWS Cloud Practitioner course get access to the AWS authored curriculum and can learn through engaging and interactive sessions delivered by certified in-house trainers. The course comprises presentations, group exercises, and hands-on labs.



Prerequisites

We recommend that attendees of this course have:

 General IT business knowledge


 General IT technical knowledge


Objectives

 Summarize the working definition of AWS

 Differentiate between on-premises, hybrid-cloud, and all-in cloud models

 Describe the basic global infrastructure of the AWS Cloud

 Explain the six main benefits of the AWS Cloud

 Describe and provide an example of the core AWS services, including compute, network, database, and storage services

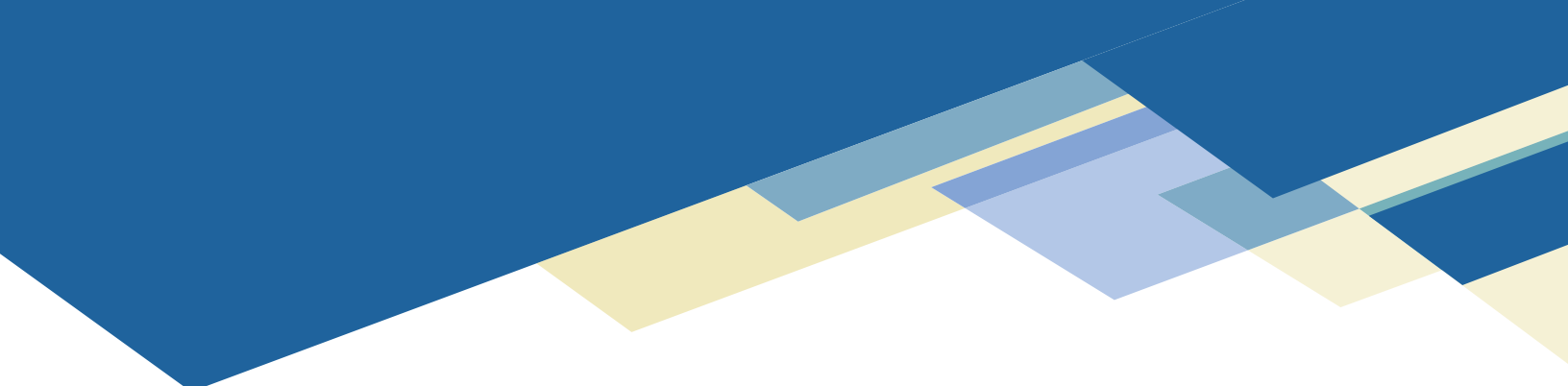
 Identify an appropriate solution using AWS Cloud services for various use cases

 Describe the AWS Well-Architected Framework

 Explain the AWS Shared Responsibility Model

 Describe the core security services within the AWS Cloud

 Describe the basics of AWS Cloud migration

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- Articulate the financial benefits of the AWS Cloud for your 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

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Course Outline

Module 1: Introduction to Amazon Web Services

- Summarize the benefits of AWS
- Why describe differences between on-demand delivery and cloud deployments so organizations leverage cloud computing services?
- Summarize the pay-as-you-go pricing model

Module 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
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- 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

Module 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

Module 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

Module 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

Module 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

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

Module 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

Module 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

Module 10: AWS Certified Cloud Practitioner Basics

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

Who should attend this course?

- Sales
- Legal
- Marketing
- Business analysts
- Project managers
- AWS Academy students
- Other IT-related professionals

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

Our Success Track

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100+
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650K+
Professionals trained

300+
Projects delivered

500+
Cloud certifications

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