

Course description

Exam Prep: AWS Certified AI Practitioner (AIF-C01) is a one-day ILT where you learn how to assess your preparedness for the AWS Certified AI Practitioner (AIF-C01) exam. The AWS Certified AI Practitioner (AIF-C01) exam validates in-demand knowledge of AI, machine learning (ML), and generative AI concepts and use cases.
This intermediate-level course prepares you for the AWS Certified AI Practitioner (AIF-C01) exam by providing a comprehensive exploration of the exam topics. You'll delve into the key areas covered on the exam, understanding how they relate to developing AI and machine learning solutions on the AWS platform. Through detailed explanations and walkthroughs of exam-style questions, you'll reinforce your knowledge, identify gaps in your understanding, and gain valuable strategies for tackling questions effectively. The course includes review of exam-style sample questions, to help you recognize incorrect responses and hone your test-taking abilities. By the end, you'll have a firm grasp on the concepts and practical applications tested on the AWS Certified AI Practitioner certification exam.

- Course level: Intermediate
- Duration: 1 day

Activities

This course includes subject overview presentations, exam-style questions, use cases, and group discussions and activities.

Course objectives

In this course, you will learn to:

- Identify the scope and content tested by the AWS Certified AI Practitioner (AIF-C01) exam.
- Practice exam style questions and evaluate your preparation strategy.
- Examine use cases and differentiate between them.

Intended audience

This course is intended for individuals who are preparing for the AWS Certified AI Practitioner (AIF-C01) exam.

Prerequisites

You are not required to take any specific training before taking this course. However, the following prerequisite knowledge is recommended prior to taking the AWS Certified AI Practitioner (AIF-C01) exam.
Recommended AWS knowledge

- •Familiarity with the core AWS services (for example, Amazon EC2, Amazon S3, AWS Lambda, and Amazon SageMaker AI) and AWS core services use cases.
- Suggested to have up to 6 months of exposure to AI and ML technologies on AWS.
- Are familiar with, but do not necessarily build, solutions using AI and ML technologies on AWS.
- Familiarity with the AWS shared responsibility model for security and compliance in the AWS Cloud.
- Familiarity with AWS Identity and Access Management (IAM) for securing and controlling access to AWS resources.
- Familiarity with the AWS global infrastructure, including the concepts of AWS Regions, Availability Zones, and edge locations.
- Familiarity with AWS service pricing models.

Recommended courses

The following courses (or similar) are recommended but not required.

- Fundamentals of Machine Learning and Artificial Intelligence (1 hour)
- Exploring Artificial Intelligence Use Cases and Applications (1 hour)
- Responsible Artificial Intelligence Practices (1 hour)
- Developing Machine Learning Solutions (1 hour)
- Developing Generative Artificial Intelligence Solutions (1 hour)

- Essentials of Prompt Engineering (1 hour)
- Optimizing Foundation Models (1 hour)
- Security, Compliance, and Governance for AI Solutions (1 hour)
- Generative AI for Executives (0.25 hour)
- Amazon Q Business Getting Started (0.75 hour)
- Amazon Bedrock Getting Started (1 hour)
- Getting Started with Amazon Comprehend: Custom Classification (1.25 hours)
- Build a Question-Answering Bot Using Generative AI (1.5 hours)

Course outline

Introduction

Domain 1: Fundamentals of AI and ML

1.1: Explain basic AI concepts and terminologies

1.2: Identify practical use cases for AI

1.3: Describe the ML development lifecycle

Domain 2: Fundamentals of Generative AI

2.1: Explain the basic concepts of generative AI

2.2: Understand the capabilities and limitations of generative AI for solving business problems

2.3: Describe AWS infrastructure and technologies for building generative AI applications

Domain 3: Applications of Foundation Models

3.1: Describe design considerations for applications that use foundation models

3.2: Choose effective prompt engineering techniques

3.3: Describe the training and fine-tuning process for foundation models

3.4: Describe methods to evaluate foundation model performance

Domain 4: Guidelines for Responsible AI

4.1: Explain the development of AI systems that are responsible

4.2: Recognize the importance of transparent and explainable models

Domain 5: Security, Compliance, and Governance for AI Solutions

5.1: Explain methods to secure AI systems

5.2: Recognize governance and compliance regulations for AI systems

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Your course overview ends here.

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About CloudThat

Established in 2012, CloudThat is an award-winning company and the first in India to offer cloud training and consulting services for individuals and enterprises worldwide. Recently, it won Google Cloud's New Training Partner of the Year Award for 2025, becoming the first company in the world in 2025 to hold awards from all three major cloud giants: AWS, Microsoft, and Google. CloudThat notably won consecutive AWS Training Partner of the Year (APJ) awards in 2023 and 2024 and the Microsoft Training Services Partner of the Year Award in 2024, bringing its total award count to an impressive 12 awards in the last 8 years.

CloudThat specializes in Cloud Migration, Data Platforms, DevOps, IoT, and cutting-edge technologies like Gen AI & AI/ML. As a Microsoft Solutions Partner, AWS Premier Tier Training Partner, Google Cloud Platform Partner, and collaborator with leading organizations like HPE, Oracle, Nvidia and Databricks, CloudThat has trained over 850,000 professionals across 600+ cloud certifications, empowering students and professionals worldwide to advance their skills and careers.

To know more about our cloud certification training, email at sales@cloudthat.com or call us at +91-8880002200 or +1-8555588830 for those from outside India.