AWS Certified AI Practitioner (AIF-C01) Exam Prep Training

Duration: **1 Day**

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Overview

The **AWS Certified AI Practitioner (AIF-C01) Exam Preparation** course is a one-day instructor-led programme designed to help learners evaluate their readiness for the AWS Certified AI Practitioner certification exam. It provides a structured review of the knowledge areas assessed in the certification while strengthening learners' understanding of artificial intelligence, machine learning, and generative AI within the AWS ecosystem.

Throughout the course, participants will explore each exam domain in detail, gaining a clear understanding of how AWS AI and machine learning services are applied in real-world environments. Instructor-led explanations, practical examples, and exam-style walkthroughs help reinforce key concepts, identify knowledge gaps, and improve confidence when answering certification questions.

Learners will also review realistic exam scenarios and practice identifying both correct and incorrect answers, enabling them to develop effective exam strategies while building a solid understanding of the concepts required for certification.

The programme combines a variety of learning methods, including:

- Instructor-led presentations
- Exam-style practice questions
- Real-world AI use cases
- Interactive group discussions
- Collaborative learning activities

Prerequisites

There are no mandatory training requirements before attending this course. However, candidates preparing for the AWS Certified AI Practitioner (AIF-C01) examination are encouraged to have the following knowledge.

Recommended AWS Knowledge

Participants should ideally be familiar with:

- Core AWS services such as Amazon EC2, Amazon S3, AWS Lambda, and Amazon SageMaker
- Common AWS service use cases
- Approximately six months of exposure to AI and machine learning technologies on AWS
- General AI and ML solution concepts within the AWS Cloud
- The AWS Shared Responsibility Model
- AWS Identity and Access Management (IAM)
- AWS global infrastructure, including Regions, Availability Zones, and Edge Locations
- AWS pricing and billing fundamentals

Recommended Learning Resources

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Although not required, the following AWS digital courses are recommended before attempting the certification exam:

- Fundamentals of Machine Learning and Artificial Intelligence
- Exploring Artificial Intelligence Use Cases and Applications
- Responsible Artificial Intelligence Practices
- Developing Machine Learning Solutions
- Developing Generative Artificial Intelligence Solutions
- Essentials of Prompt Engineering
- Optimizing Foundation Models
- Security, Compliance, and Governance for AI Solutions
- Generative AI for Executives
- Amazon Q Business Getting Started
- Amazon Bedrock Getting Started
- Getting Started with Amazon Comprehend: Custom Classification
- Build a Question-Answering Bot Using Generative AI

Completing these learning modules can significantly improve exam readiness but is not mandatory.

Who Should Attend

This course is designed for:

- Professionals preparing for the **AWS Certified AI Practitioner (AIF-C01)** certification
- Cloud practitioners expanding their knowledge of AI and machine learning on AWS
- Developers, engineers, and solution architects interested in AWS AI services
- Technical professionals seeking to validate foundational AI knowledge within the AWS Cloud

What You Will Learn

By the end of this course, learners will be able to:

- Explain the structure and objectives of the AWS Certified AI Practitioner examination.
- Identify the knowledge domains covered within the certification.
- Evaluate their exam readiness through realistic practice questions.
- Distinguish between different AI and machine learning use cases.
- Demonstrate an understanding of core AWS AI services and their practical applications.
- Apply effective techniques for answering certification exam questions.

Outline

Domain 1: AI and Machine Learning Fundamentals

- Core AI concepts and terminology
- Practical AI use cases

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- The machine learning development lifecycle
- Business applications of AI

Domain 2: Generative AI Fundamentals

- Introduction to generative AI
- Business applications of generative AI
- Capabilities and limitations
- AWS infrastructure supporting generative AI
- Amazon Bedrock and related AWS AI services

Domain 3: Foundation Model Applications

- Designing applications powered by foundation models
- Prompt engineering techniques
- Training and fine-tuning foundation models
- Evaluating model performance and quality

Domain 4: Responsible AI

- Principles of responsible AI development
- Ethical AI practices
- Transparency and explainability
- Building trustworthy AI systems

Domain 5: AI Security, Compliance, and Governance

- Securing AI applications and services
- AWS security capabilities
- Governance frameworks
- Compliance requirements
- AI risk management principles

Practical Learning

Throughout the course, learners will:

- Complete exam-style practice questions.
- Analyse real-world AI implementation scenarios.
- Participate in instructor-led discussions.
- Develop effective certification exam strategies.
- Review AWS AI services through practical examples.

Examination and Assessment

This course is designed to prepare learners for the **AWS Certified AI Practitioner (AIF-C01)** certification examination.

Please note: The official AWS certification exam is **not included** as part of this course. Candidates must

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purchase and schedule the examination separately through AWS Certification.

Key Benefits

- Prepare systematically for the AWS Certified AI Practitioner certification.
- Strengthen foundational knowledge of AI, machine learning, and generative AI.
- Improve understanding of AWS AI services and their real-world applications.
- Gain confidence through realistic exam-style practice questions.
- Develop effective exam techniques and preparation strategies.
- Build a strong foundation for future AWS AI certifications and cloud-based AI solution development.