

AWS Certified AI Practitioner (AIF-C01) Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The AWS Certified AI Practitioner (AIF-C01) training by Multisoft Systems is designed to provide a strong foundation in artificial intelligence concepts and their practical application on the AWS Cloud. This program is ideal for professionals who want to understand how AI, machine learning, and generative AI are used to solve real business problems, even if they are not directly involved in building complex models.

Module 1: Introduction to Cloud Computing

- ✓ What is Cloud Computing?
- ✓ Traditional Data Center
- ✓ Different types of Cloud Computing
- ✓ AWS Cloud Overview
- ✓ Shared responsibility model

Module 2: Introduction to AI and Machine Learning on AWS

- ✓ Overview of AI/ML concepts
- ✓ AWS AI and ML services overview
- ✓ Use cases of AI/ML in real-world scenarios

Module 3: Machine Learning Fundamentals

- ✓ Supervised, Unsupervised, and Reinforcement Learning
- ✓ Key ML concepts: Features, Models, and Algorithms
- ✓ Steps in a machine learning pipeline

Module 4: AWS AI Services for Text & Speech Processing

- ✓ Introduction to Amazon Comprehend for NLP
- ✓ Text-to-speech with Amazon Polly
- ✓ Speech-to-text with Amazon Transcribe

Module 5: AWS AI Services for Image & Video Processing

- ✓ Introduction to Amazon Rekognition for image and facial analysis
- ✓ Video content analysis with Rekognition Video
- ✓ Document processing with Amazon Textract

Module 6: Machine Learning with Amazon SageMaker

- ✓ Introduction to machine learning models
- ✓ Supervised vs. Unsupervised learning
- ✓ Building, training, and deploying ML models using Amazon SageMaker

Module 7: Prompt Engineering

- ✓ What is prompt engineering?
- ✓ Prompt performance optimization
- ✓ Prompt Engineering Techniques
- ✓ Prompt templates

Module 8: Amazon Q

- ✓ Introduction
- ✓ Amazon Q business
- ✓ Amazon Q Apps
- ✓ Amazon Q developer
- ✓ AWS PartyRock

Module 9: Ethics, Responsible AI, and AWS AI/ML Best Practices

- ✓ Understanding AI bias and fairness
- ✓ AWS responsible AI principles
- ✓ Governance and security best practices for AI applications

Module 10: AWS Security Services

- ✓ IAM
- ✓ Users, Groups, Policies
- ✓ Roles

- ✓ Amazon EC2
- ✓ Create an EC2 instance with User data to have a website
- ✓ AWS Lambda
- ✓ Amazon Macie
- ✓ Amazon Inspector
- ✓ AWS Config
- ✓ AWS CloudTrail
- ✓ AWS Artifact
- ✓ AWS Trusted Advisor

Module 11: Exam Preparation and Next Steps

- ✓ Understanding the ALF-C01 exam format and domains
- ✓ Sample questions and key concepts review
- ✓ Tips for studying and certification success
- ✓ Beyond certification: Career paths in AI with AWS