Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01)

Category: AI, Data & Analytics | **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 Machine Learning Engineer – Associate
Related Exam:	MLA-C01

Course Overview

Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01) is a one-day ILT where you learn how to assess your preparedness for the AWS Certified Machine Learning Engineer - Associate (MLA-C01) exam. The exam validates a candidate’s ability to build, operationalize, and maintain machine learning (ML) solutions and pipelines by using the AWS Cloud.

This intermediate-level course prepares you for the AWS Certified Machine Learning Engineer - Associate (MLA-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 exams tyle 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 Machine Learning Engineer - Associate (MLA-C01) exam.

About This Course

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

Who Should Attend

This course is intended for individuals who are preparing for the AWS Certified Machine Learning Engineer - Associate (MLA-C01) exam

Prerequisites & Entry Requirements

General 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 Machine Learning Engineer - Associate (MLA-C01) exam.

General IT knowledge

Learners are recommended to have the following:

- Suggested 1 year of experience in a related role such as a backend software developer, DevOps developer, data engineer, or data scientist.
- Basic understanding of common ML algorithms and their use cases
- Data engineering fundamentals, including knowledge of common data formats, ingestion, and transformation to work with ML data pipelines
- Knowledge of querying and transforming data
- Knowledge of software engineering best practices for modular, reusable code development, deployment, and debugging
- Familiarity with provisioning and monitoring cloud and on-premises ML resources
- Experience with continuous integration and continuous delivery (CI/CD) pipelines and infrastructure as code (IaC)
- Experience with code repositories for version control and CI/CD pipelines

Recommended AWS knowledge

Learners are recommended to be able to do the following:

- Suggested 1 year of experience using Amazon SageMaker AI and other AWS services for ML engineering.
- Knowledge of Amazon SageMaker AI capabilities and algorithms for model building and deployment
- Knowledge of AWS data storage and processing services for preparing data for modeling
- Familiarity with deploying applications and infrastructure on AWS

- Knowledge of monitoring tools for logging and troubleshooting ML systems
- Knowledge of AWS services for the automation and orchestration of CI/CD pipelines
- Understanding of AWS security best practices for identity and access management, encryption, and data protection

Learning Outcomes

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

In this course, you will learn to:

- Identify the scope and content tested by the AWS Certified Machine Learning Engineer - Associate (MLA-C01) exam.
- Practice exam-style questions and evaluate your preparation strategy.
- Examine use cases and differentiate between them.

Detailed Course Outline

Introduction

Domain 1: Data Preparation for Machine Learning (ML)

- 1.1 Ingest and store data.
- 1.2 Transform data and perform feature engineering.
- 1.3 Ensure data integrity and prepare data for modeling.

Domain 2: ML Model Development

- 2.1 Choose a modeling approach.
- 2.2 Train and refine models.
- 2.3 Analyze model performance.

Domain 3: Deployment and Orchestration of ML Workflows

- 3.1 Select deployment infrastructure based on existing architecture and requirements.

- 3.2 Create and script infrastructure based on existing architecture and requirements.

- 3.3 Use automated orchestration tools to set up continuous integration and continuous delivery

- (CI/CD) pipelines.

Domain 4: ML Solution Monitoring, Maintenance, and Security

- 4.1 Monitor model interference.

- 4.2 Monitor and optimize infrastructure costs.

- 4.3 Secure AWS resources.

Course completion

□□ Certification Path

AWS Certified Machine Learning Engineer – Associate

Exam: MLA-C01

Skills You Will Learn:

In this course, you will learn to:

- Identify the scope and content tested by the AWS Certified Machine Learning Engineer - Associate (MLA-C01) exam.
- Practice exam-style questions and evaluate your preparation strategy.
- Examine use cases and differentiate between them.

Frequently Asked Questions

Q: What delivery options are available for Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01)?

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 Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01) course helps prepare you for the AWS Certified Machine Learning Engineer – Associate certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the MLA-C01 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 Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01) 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 Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01) 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 Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01)?

Yes, we provide corporate training, dedicated training, and closed classes for Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01). 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: Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01), Machine Learning, EPCMLEA, Exam Prep: AWS Certified Machine Learning Engineer Associate (MLA-C01), Amazon Web Services, vILT, Exam Prep

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Q: Why choose Nexus Human for Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01)?

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 Exam Prep: AWS Certified Machine Learning Engineer – Associate (MLA-C01) 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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