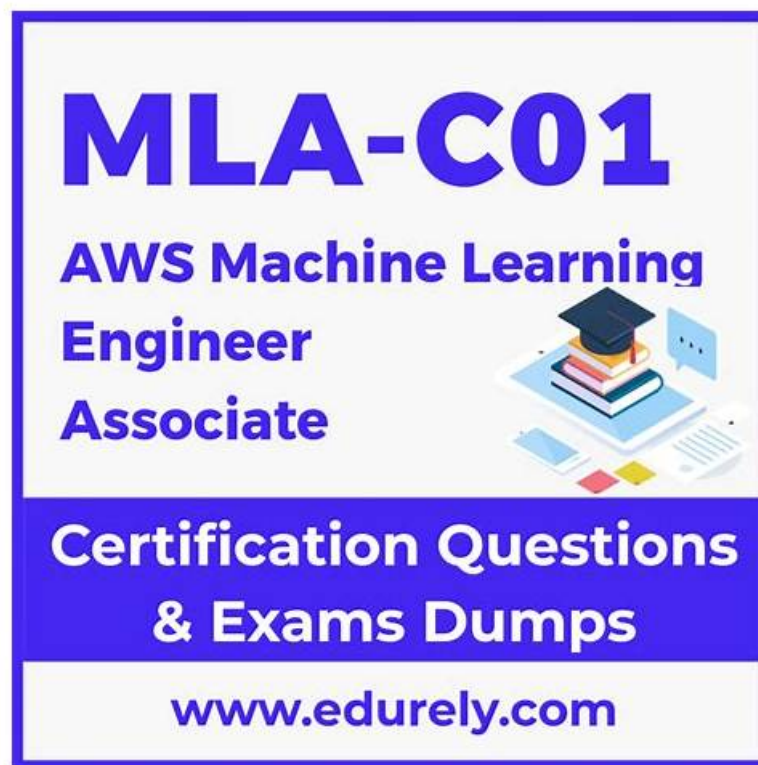


# MLA-C01 Test Dumps.zip & Test MLA-C01 Quiz



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Most of the candidates who plan to take the MLA-C01 certification exam lack updated practice questions to ace it on the first attempt. Due to this, they fail the AWS Certified Machine Learning Engineer - Associate (MLA-C01) test, losing money and time. And in some cases, applicants fail on the second attempt as well because they don't prepare with MLA-C01 Actual Exam questions. This results in not only the loss of resources but also the motivation of the candidate.

## Amazon MLA-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>ML Model Development:</b> This section of the exam measures skills of Fraud Examiners and covers choosing and training machine learning models to solve business problems such as fraud detection. It includes selecting algorithms, using built-in or custom models, tuning parameters, and evaluating performance with standard metrics. The domain emphasizes refining models to avoid overfitting and maintaining version control to support ongoing investigations and audit trails.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• <b>Data Preparation for Machine Learning (ML):</b> This section of the exam measures skills of Forensic Data Analysts and covers collecting, storing, and preparing data for machine learning. It focuses on understanding different data formats, ingestion methods, and AWS tools used to process and transform data. Candidates are expected to clean and engineer features, ensure data integrity, and address biases or compliance issues, which are crucial for preparing high-quality datasets in fraud analysis contexts.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• <b>ML Solution Monitoring, Maintenance, and Security:</b> This section of the exam measures skills of Fraud Examiners and assesses the ability to monitor machine learning models, manage infrastructure costs, and apply security best practices. It includes setting up model performance tracking, detecting drift, and using AWS tools for logging and alerts. Candidates are also tested on configuring access controls, auditing environments, and maintaining compliance in sensitive data environments like financial fraud detection.</li></ul>

Topic 4	<ul style="list-style-type: none"> <li>• Deployment and Orchestration of ML Workflows: This section of the exam measures skills of Forensic Data Analysts and focuses on deploying machine learning models into production environments. It covers choosing the right infrastructure, managing containers, automating scaling, and orchestrating workflows through CI</li> <li>• CD pipelines. Candidates must be able to build and script environments that support consistent deployment and efficient retraining cycles in real-world fraud detection systems.</li> </ul>
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## Amazon AWS Certified Machine Learning Engineer - Associate Sample Questions (Q20-Q25):

### NEW QUESTION # 20

A company needs to run a batch data-processing job on Amazon EC2 instances. The job will run during the weekend and will take 90 minutes to finish running. The processing can handle interruptions. The company will run the job every weekend for the next 6 months.

Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

- A. On-Demand Instances
- B. Spot Instances
- C. Dedicated Instances
- D. Reserved Instances

**Answer: B**

Explanation:

Scenario: The company needs to run a batch job for 90 minutes every weekend over the next 6 months. The processing can handle interruptions, and cost-effectiveness is a priority.

Why Spot Instances?

\* Cost-Effective: Spot Instances provide up to 90% savings compared to On-Demand Instances, making them the most cost-effective option for batch processing.

\* Interruption Tolerance: Since the processing can tolerate interruptions, Spot Instances are suitable for this workload.

\* Batch-Friendly: Spot Instances can be requested for specific durations or automatically re-requested in case of interruptions.

Steps to Implement:

\* Create a Spot Instance Request:

\* Use the EC2 console or CLI to request Spot Instances with desired instance type and duration.

\* Use Auto Scaling: Configure Spot Instances with an Auto Scaling group to handle instance interruptions and ensure job completion.

\* Run the Batch Job: Use tools like AWS Batch or custom scripts to manage the processing.

Comparison with Other Options:

\* Reserved Instances: Suitable for predictable, continuous workloads, but less cost-effective for a job that runs only once a week.

\* On-Demand Instances: More expensive and unnecessary given the tolerance for interruptions.

\* Dedicated Instances: Best for isolation and compliance but significantly more costly.

References:

\* Amazon EC2 Spot Instances

\* Best Practices for Using Spot Instances

\* AWS Batch for Spot Instances

### NEW QUESTION # 21

An ML engineer has trained a neural network by using stochastic gradient descent (SGD). The neural network performs poorly on the test set. The values for training loss and validation loss remain high and show an oscillating pattern. The values decrease for a few epochs and then increase for a few epochs before repeating the same cycle. What should the ML engineer do to improve the training process?

- **A. Decrease the learning rate.**
- B. Increase the size of the test set.
- C. Introduce early stopping.
- D. Increase the learning rate.

**Answer: A**

#### NEW QUESTION # 22

A company uses Amazon SageMaker Studio to develop an ML model. The company has a single SageMaker Studio domain. An ML engineer needs to implement a solution that provides an automated alert when SageMaker compute costs reach a specific threshold.

Which solution will meet these requirements?

- **A. Add resource tagging by editing the SageMaker user profile in the SageMaker domain. Configure AWS Budgets to send an alert when the threshold is reached.**
- B. Add resource tagging by editing the SageMaker user profile in the SageMaker domain. Configure AWS Cost Explorer to send an alert when the threshold is reached.
- C. Add resource tagging by editing each user's IAM profile. Configure AWS Budgets to send an alert when the threshold is reached.
- D. Add resource tagging by editing each user's IAM profile. Configure AWS Cost Explorer to send an alert when the threshold is reached.

**Answer: A**

Explanation:

Adding resource tagging to the SageMaker user profile enables tracking and monitoring of costs associated with specific SageMaker resources.

AWS Budgets allows setting thresholds and automated alerts for costs and usage, making it the ideal service to notify the ML engineer when compute costs reach a specified limit.

This solution is efficient and integrates seamlessly with SageMaker and AWS cost management tools.

#### NEW QUESTION # 23

A company is training a large language model (LLM) by using on-premises infrastructure. A live conversational engine uses the LLM to help customers find real-time insights in credit card data.

An ML engineer must implement a solution to train and deploy the LLM on Amazon SageMaker.

Which solution will meet these requirements?

- A. Use SageMaker with deep learning containers for large model inference to train the LLM. Deploy the LLM by using SageMaker real-time inference.
- **B. Use SageMaker Training Compiler to train the LLM. Deploy the LLM by using SageMaker real-time inference.**
- C. Use SageMaker Studio to train the LLM. Deploy the LLM by using SageMaker batch transform.
- D. Use SageMaker Notebook Jobs to train the LLM. Deploy the LLM by using SageMaker Asynchronous Inference.

**Answer: B**

Explanation:

SageMaker Training Compiler accelerates training of large models like LLMs by optimizing GPU utilization, making it suitable for efficient large-scale training. For deployment of a live conversational engine that requires real-time responses, the correct choice is a SageMaker real-time inference endpoint. This combination meets both training and deployment requirements effectively.

#### NEW QUESTION # 24

A company uses Amazon SageMaker for its ML process. A compliance audit discovers that an Amazon S3 bucket for training data uses server-side encryption with S3 managed keys (SSE-S3).

The company requires customer managed keys. An ML engineer changes the S3 bucket to use server-side encryption with AWS KMS keys (SSE-KMS). The ML engineer makes no other configuration changes.

- A. Update the IAM policy that is attached to the user that created the training jobs. Include the kms:CreateGrant permission.
- B. Update the IAM policy that is attached to the execution role for the training jobs. Include the kms:Encrypt and kms:Decrypt permissions.
- C. Update the S3 bucket policy that is attached to the S3 bucket. Set the value of the aws:SecureTransport condition key to True.
- D. Update the IAM policy that is attached to the execution role for the training jobs. Include the s3:ListBucket and s3:GetObject permissions.

### NEW QUESTION # 25

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