

Réussir l'examen de certification AWS Machine Learning

La certification AWS Machine Learning est un atout précieux pour ceux qui souhaitent progresser dans le domaine de l'ingénierie du machine learning. Dans ce guide, nous allons explorer comment vous pouvez vous préparer efficacement pour cet examen.

Pourquoi obtenir la certification AWS Machine Learning ?

Cette certification vous aide à démontrer vos **compétences en machine learning** et à améliorer votre carrière. Les employeurs recherchent souvent des professionnels certifiés pour des rôles techniques et de conseils.

Comment se préparer à l'examen AWS ML ?

La préparation à l'examen demande de la **discipline**. Voici quelques étapes essentielles :

- **Suivre une formation AWS** : Investissez dans une formation officielle pour acquérir les **bases** et techniques nécessaires.
- **Pratiquez avec des examens blancs** : Familiarisez-vous avec le *format de l'examen* en utilisant des simulateurs d'examen.
- **Utilisez des ressources en ligne gratuites** : Consultez des blogs, des vidéos et des tutoriels pour enrichir vos **connaissances**. Vous pouvez également trouver des outils utiles sur [CertKillers](#).

Les sujets à maîtriser pour l'examen

Voici les principaux thèmes à connaître :

- Les **concepts fondamentaux** de l'apprentissage automatique.
- Les **services AWS** liés au machine learning tels que SageMaker.
- Les **techniques** de prétraitement des données.
- Les **algorithmes de machine learning** et leurs applications.

Conseils pour le jour de l'examen

Le jour de l'examen, assurez-vous d'être bien préparé :

- **Dormez suffisamment** : Un bon repos la veille est essentiel pour être attentif le jour J.
- **Arrivez en avance** : Cela vous donnera le temps de vous installer et de vous détendre avant le début de l'examen.
- **Restez concentré** : Lisez bien chaque question et gérez votre temps efficacement.

Conclusion

La certification AWS Machine Learning est un but atteignable avec une **préparation adéquate**. Suivez ces conseils, et vous serez sur la bonne voie pour réussir l'examen. Vous pouvez faire ce pas vers une carrière enrichissante dans le domaine de l'*intelligence artificielle* et du machine learning. Pour des ressources complémentaires, n'hésitez pas à consulter [CertKillers](#) qui propose des matériels d'études.



Amazon

MLA-C01 Exam

AWS Certified Machine Learning Engineer - Associate

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Version: 6.0

Question: 1

Case Study

A company is building a web-based AI application by using Amazon SageMaker. The application will provide the following capabilities and features: ML experimentation, training, a central model registry, model deployment, and model monitoring.

The application must ensure secure and isolated use of training data during the ML lifecycle. The training data is stored in Amazon S3.

The company needs to use the central model registry to manage different versions of models in the application.

Which action will meet this requirement with the LEAST operational overhead?

- A. Create a separate Amazon Elastic Container Registry (Amazon ECR) repository for each model.
- B. Use Amazon Elastic Container Registry (Amazon ECR) and unique tags for each model version.
- C. Use the SageMaker Model Registry and model groups to catalog the models.
- D. Use the SageMaker Model Registry and unique tags for each model version.

Answer: C

Explanation:

Question: 2

Case Study

A company is building a web-based AI application by using Amazon SageMaker. The application will provide the following capabilities and features: ML experimentation, training, a central model registry, model deployment, and model monitoring.

The application must ensure secure and isolated use of training data during the ML lifecycle. The training data is stored in Amazon S3.

The company is experimenting with consecutive training jobs.

How can the company MINIMIZE infrastructure startup times for these jobs?

- A. Use Managed Spot Training.
- B. Use SageMaker managed warm pools.
- C. Use SageMaker Training Compiler.
- D. Use the SageMaker distributed data parallelism (SMDDP) library.

Answer: B

Explanation:

Question: 3

Case Study

A company is building a web-based AI application by using Amazon SageMaker. The application will provide the following capabilities and features: ML experimentation, training, a central model registry, model deployment, and model monitoring.

The application must ensure secure and isolated use of training data during the ML lifecycle. The training data is stored in Amazon S3.

The company must implement a manual approval-based workflow to ensure that only approved models can be deployed to production endpoints.

Which solution will meet this requirement?

- A. Use SageMaker Experiments to facilitate the approval process during model registration.
- B. Use SageMaker ML Lineage Tracking on the central model registry. Create tracking entities for the approval process.
- C. Use SageMaker Model Monitor to evaluate the performance of the model and to manage the approval.
- D. Use SageMaker Pipelines. When a model version is registered, use the AWS SDK to change the approval status to "Approved."

Answer: D

Explanation:

Question: 4

Case Study

A company is building a web-based AI application by using Amazon SageMaker. The application will provide the following capabilities and features: ML experimentation, training, a

central model registry, model deployment, and model monitoring.

The application must ensure secure and isolated use of training data during the ML lifecycle. The training data is stored in Amazon S3.

The company needs to run an on-demand workflow to monitor bias drift for models that are deployed to real-time endpoints from the application.

Which action will meet this requirement?

- A. Configure the application to invoke an AWS Lambda function that runs a SageMaker Clarify job.
- B. Invoke an AWS Lambda function to pull the sagemaker-model-monitor-analyzer built-in SageMaker image.
- C. Use AWS Glue Data Quality to monitor bias.
- D. Use SageMaker notebooks to compare the bias.

Answer: A

Explanation:

Question: 5

HOTSPOT

A company stores historical data in .csv files in Amazon S3. Only some of the rows and columns in the .csv files are populated. The columns are not labeled. An ML engineer needs to prepare and store the data so that the company can use the data to train ML models. Select and order the correct steps from the following list to perform this task. Each step should be selected one time or not at all. (Select and order three.)

- Create an Amazon SageMaker batch transform job for data cleaning and feature engineering.
- Store the resulting data back in Amazon S3.
- Use Amazon Athena to infer the schemas and available columns.
- Use AWS Glue crawlers to infer the schemas and available columns.
- Use AWS Glue DataBrew for data cleaning and feature engineering.

Step 1: Select...

Select...

Create an Amazon SageMaker batch transform job for data cleaning and feature engineering. Store the resulting data back in Amazon S3.

☐ Use Amazon Athena to infer the schemas and available columns.

☐ Use AWS Glue crawlers to infer the schemas and available columns.

☐ Use AWS Glue DataBrew for data cleaning and feature engineering.

Step 2: Select...

Select...

Create an Amazon SageMaker batch transform job for data cleaning and feature engineering. Store the resulting data back in Amazon S3.

Use Amazon Athena to infer the schemas and available columns.

Use AWS Glue crawlers to infer the schemas and available columns.

Use AWS Glue DataBrew for data cleaning and feature engineering.

Step 3: Select...

Select...

Create an Amazon SageMaker batch transform job for data cleaning and feature engineering. Store the resulting data back in Amazon S3.

Use Amazon Athena to infer the schemas and available columns.

Use AWS Glue crawlers to infer the schemas and available columns.

Use AWS Glue DataBrew for data cleaning and feature engineering.

Answer:

Explanation:

- Step 1: Use AWS Glue crawlers to infer the schemas and available columns.
- Step 2: Use AWS Glue DataBrew for data cleaning and feature engineering.
- Step 3: Store the resulting data back in Amazon S3

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