

素晴らしいAIF-C01受験対策書 &合格スムーズAIF-C01認定内容 |信頼的なAIF-C01の中合格問題集AWS Certified AI Practitioner

AWS AI/ML系3資格(AIF MLA MLS)比較



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Amazon AIF-C01 認定試験の出題範囲:

トピック	出題範囲
トピック 1	<ul style="list-style-type: none"> Applications of Foundation Models: This domain examines how foundation models, like large language models, are used in practical applications. It is designed for those who need to understand the real-world implementation of these models, including solution architects and data engineers who work with AI technologies to solve complex problems.
トピック 2	<ul style="list-style-type: none"> Guidelines for Responsible AI: This domain highlights the ethical considerations and best practices for deploying AI solutions responsibly, including ensuring fairness and transparency. It is aimed at AI practitioners, including data scientists and compliance officers, who are involved in the development and deployment of AI systems and need to adhere to ethical standards.
トピック 3	<ul style="list-style-type: none"> Fundamentals of Generative AI: This domain explores the basics of generative AI, focusing on techniques for creating new content from learned patterns, including text and image generation. It targets professionals interested in understanding generative models, such as developers and researchers in AI.
トピック 4	<ul style="list-style-type: none"> Security, Compliance, and Governance for AI Solutions: This domain covers the security measures, compliance requirements, and governance practices essential for managing AI solutions. It targets security professionals, compliance officers, and IT managers responsible for safeguarding AI systems, ensuring regulatory compliance, and implementing effective governance frameworks.
トピック 5	<ul style="list-style-type: none"> Fundamentals of AI and ML: This domain covers the fundamental concepts of artificial intelligence (AI) and machine learning (ML), including core algorithms and principles. It is aimed at individuals new to AI and ML, such as entry-level data scientists and IT professionals.

試験の準備方法-実用的な AIF-C01受験対策書試験-最新の AIF-C01認定内容

我々の提供する資料は高質量で的中率も高いです。このAIF-C01模擬問題集を利用して、試験に参加するあなたはAIF-C01試験に合格できると信じています。ご安心に我々の問題集を利用してください。我々はあなたに最大の利便性をもたらすために、一番いいAIF-C01問題集を提供して、あなたが合格できるのを確保します。

Amazon AWS Certified AI Practitioner 認定 AIF-C01 試験問題 (Q131-Q136):

質問 # 131

An AI practitioner is using an Amazon Bedrock base model to summarize session chats from the customer service department. The AI practitioner wants to store invocation logs to monitor model input and output data. Which strategy should the AI practitioner use?

- A. Enable invocation logging in Amazon Bedrock.
- B. Configure AWS Audit Manager as the logs destination for the model.
- C. Configure AWS CloudTrail as the logs destination for the model.
- D. Configure model invocation logging in Amazon EventBridge.

正解: A

解説:

Amazon Bedrock provides an option to enable invocation logging to capture and store the input and output data of the models used. This is essential for monitoring and auditing purposes, particularly when handling customer data.

* Option B (Correct): "Enable invocation logging in Amazon Bedrock": This is the correct answer as it directly enables the logging of all model invocations, ensuring transparency and traceability.

* Option A: "Configure AWS CloudTrail" is incorrect because CloudTrail logs API calls but does not provide specific logging for model inputs and outputs.

* Option C: "Configure AWS Audit Manager" is incorrect as Audit Manager is used for compliance reporting, not specific invocation logging for AI models.

* Option D: "Configure model invocation logging in Amazon EventBridge" is incorrect as EventBridge is for event-driven architectures, not specifically designed for logging AI model inputs and outputs.

AWS AI Practitioner References:

* Amazon Bedrock Logging Capabilities: AWS emphasizes using built-in logging features in Bedrock to maintain data integrity and transparency in model operations.

質問 # 132

A company wants to develop a solution that uses generative AI to create content for product advertisements, including sample images and slogans.

Select the correct model type from the following list for each action. Each model type should be selected one time. (Select THREE.)

- * Diffusion model
- * Object detection model
- * Transformer-based model

正解:

解説:

Explanation:

Diffusion models are state-of-the-art generative models for creating high-quality, realistic images from textual prompts or other forms of conditioning. These are the foundational technology behind tools like Amazon Bedrock Titan Image Generator and other generative image models.

Reference: AWS Generative AI Overview, Diffusion Models Explained - AWS Blog Transformer-based models (such as GPT or Amazon Titan Text) are designed for generating and understanding natural language. These models can generate coherent, contextually relevant slogans based on product information.

Reference: AWS Generative AI on Bedrock, Transformers Explained - AWS

Object detection models are designed to identify and locate objects within images, which makes them suitable for verifying that specific brand elements (like logos or products) are correctly positioned in the generated content.

質問 # 133

A real estate company is developing an ML model to predict house prices by using sales and marketing data. The company wants to use feature engineering to build a model that makes accurate predictions. Which approach will meet these requirements?

- A. Understand patterns by providing data visualization.
- B. Collect data from multiple sources.
- **C. Create or select relevant features for model training.**
- D. Tune the model's hyperparameters.

正解: C

解説:

Comprehensive and Detailed Explanation From Exact AWS AI documents:

Feature engineering focuses on:

- * Creating new features
- * Selecting the most relevant existing features
- * Improving model signal and accuracy

AWS ML best practices identify feature engineering as a key driver of predictive performance.

Why the other options are incorrect:

- * Visualization (A) helps understanding, not feature creation.
- * Hyperparameter tuning (B) optimizes models, not features.
- * Data collection (D) expands datasets but does not engineer features.

AWS AI document references:

- * Feature Engineering Best Practices
- * Improving Model Accuracy on AWS
- * ML Model Development Lifecycle

質問 # 134

A company wants to use AI to protect its application from threats. The AI solution needs to check if an IP address is from a suspicious source.

- A. Create a fraud forecasting system.
- B. Create a natural language processing (NLP) named entity recognition system.
- **C. Develop an anomaly detection system.**
- D. Build a speech recognition system.

正解: C

解説:

The correct answer is C - Develop an anomaly detection system. According to AWS documentation, anomaly detection models are specifically used to identify unusual or suspicious patterns in data, such as unexpected IP access behavior, unusual network traffic, login anomalies, or deviations from normal usage patterns. Amazon SageMaker and Amazon Lookout for Metrics both support anomaly detection capabilities that detect deviations from learned baselines. AWS highlights that anomaly detection is widely used in cybersecurity, fraud detection, intrusion monitoring, and identifying suspicious IP addresses. Speech recognition (A) and NLP named entity recognition (B) do not classify threat behavior. Fraud forecasting (D) focuses on long-term prediction patterns, not real-time anomaly detection. Since identifying malicious IP sources requires spotting activity outside the normal distribution, anomaly detection is the most accurate and AWS-aligned solution.

Referenced AWS Documentation:

- * AWS Machine Learning Specialty Guide - Anomaly Detection Use Cases
- * Amazon SageMaker Documentation - Random Cut Forest (RCF) for Anomaly Detection

質問 # 135

A company has a generative AI application that uses a pre-trained foundation model (FM) on Amazon Bedrock. The company wants the FM to include more context by using company information.

Which solution meets these requirements MOST cost-effectively?

- A. Use Amazon Bedrock Knowledge Bases.
- B. Use Amazon Bedrock Agents.
- C. Choose a different FM on Amazon Bedrock.
- D. Deploy a custom model on Amazon Bedrock.

正解: A

解説:

Amazon Bedrock Knowledge Bases enable Retrieval Augmented Generation (RAG) by letting you connect external company data sources to your foundation model in a serverless, cost-effective manner-without retraining or fine-tuning. This allows the model to answer questions and generate content grounded in your own documents or data.

A is correct:

"Knowledge Bases for Amazon Bedrock enable generative AI applications to retrieve and include your company's information for more contextual responses, without the need for expensive retraining or custom models." (Reference: Amazon Bedrock Knowledge Bases)

"Knowledge Bases for Amazon Bedrock enable generative AI applications to retrieve and include your company's information for more contextual responses, without the need for expensive retraining or custom models." (Reference: Amazon Bedrock Knowledge Bases) B is not cost-effective or guaranteed to add your company's context.

C (Agents) are for orchestrating workflows, not specifically RAG/context.

D (Custom model deployment) is costly and unnecessary for just adding context.

質問 # 136

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