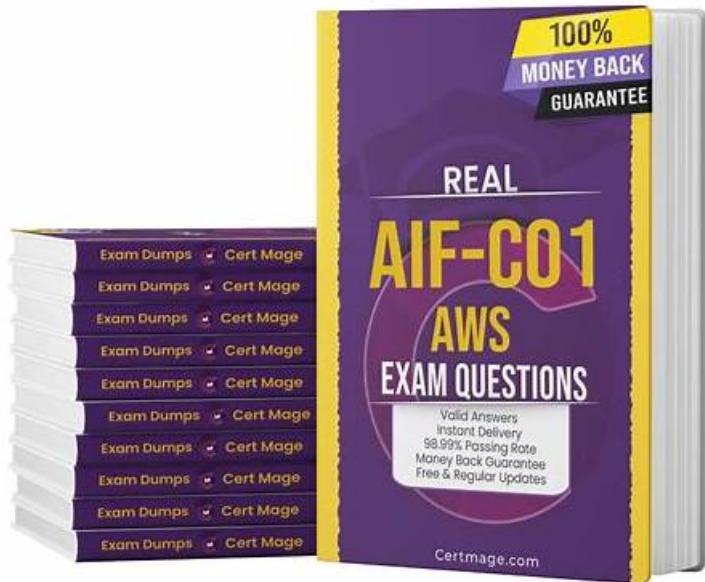


# Exam Dumps AIF-C01 Zip - AIF-C01 Exam Cram Pdf



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The AWS Certified AI Practitioner (AIF-C01) is one of the popular exams of Amazon AIF-C01. It is designed for Amazon aspirants who want to earn the AWS Certified AI Practitioner (AIF-C01) certification and validate their skills. The AIF-C01 test is not an easy exam to crack. It requires dedication and a lot of hard work. You need to prepare well to clear the AWS Certified AI Practitioner (AIF-C01) test on the first attempt. One of the best ways to prepare successfully for the AIF-C01 examination in a short time is using real AIF-C01 Exam Dumps.

## Amazon AIF-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 5	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
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### **Amazon AWS Certified AI Practitioner Sample Questions (Q64-Q69):**

#### **NEW QUESTION # 64**

A company wants to display the total sales for its top-selling products across various retail locations in the past 12 months. Which AWS solution should the company use to automate the generation of graphs?

- A. Amazon Q Developer
- **B. Amazon Q in Amazon QuickSight**
- C. Amazon Q in AWS Chatbot
- D. Amazon Q in Amazon EC2

**Answer: B**

#### **NEW QUESTION # 65**

A company needs to log all requests made to its Amazon Bedrock API. The company must retain the logs securely for 5 years at the lowest possible cost.

Which combination of AWS service and storage class meets these requirements? (Select TWO.)

- A. Amazon S3 Standard
- B. Amazon CloudWatch
- **C. Amazon S3 Intelligent-Tiering**
- D. AWS Audit Manager
- **E. AWS CloudTrail**

**Answer: C,E**

Explanation:

\* AWS CloudTrail: Logs all API calls to Amazon Bedrock.

\* Amazon S3 Intelligent-Tiering: Optimizes storage costs for long-term retention with automatic tiering.

According to Amazon Bedrock Logging Documentation:

"CloudTrail records API activity and events, and logs can be stored in S3. For cost optimization, use S3 Intelligent-Tiering to retain logs long-term."

#### **NEW QUESTION # 66**

A company has installed a security camera

a. The company uses an ML model to evaluate the security camera footage for potential thefts. The company has discovered that the model disproportionately flags people who are members of a specific ethnic group.

Which type of bias is affecting the model output?

- A. Measurement bias

- B. Confirmation bias
- **C. Sampling bias**
- D. Observer bias

**Answer: C**

#### NEW QUESTION # 67

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

**Answer: B**

Explanation:

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.

#### NEW QUESTION # 68

A company's large language model (LLM) is experiencing hallucinations.

How can the company decrease hallucinations?

- **A. Decrease the temperature inference parameter for the model.**
- B. Use data pre-processing and remove any data that causes hallucinations.
- C. Set up Agents for Amazon Bedrock to supervise the model training.
- D. Use a foundation model (FM) that is trained to not hallucinate.

**Answer: A**

Explanation:

Hallucinations in large language models (LLMs) occur when the model generates outputs that are factually incorrect, irrelevant, or not grounded in the input data. To mitigate hallucinations, adjusting the model's inference parameters, particularly the temperature, is a well-documented approach in AWS AI Practitioner resources. The temperature parameter controls the randomness of the model's output. A lower temperature makes the model more deterministic, reducing the likelihood of generating creative but incorrect responses, which are often the cause of hallucinations.

Exact Extract from AWS AI Documents:

From the AWS documentation on Amazon Bedrock and LLMs:

"The temperature parameter controls the randomness of the generated text. Higher values (e.g., 0.8 or above) increase creativity but may lead to less coherent or factually incorrect outputs, while lower values (e.g., 0.2 or 0.3) make the output more focused and deterministic, reducing the likelihood of hallucinations." (Source: AWS Bedrock User Guide, Inference Parameters for Text Generation) Detailed Explanation:

\* Option A: Set up Agents for Amazon Bedrock to supervise the model training. Agents for Amazon Bedrock are used to automate tasks and integrate LLMs with external tools, not to supervise model training or directly address hallucinations. This option is incorrect as it does not align with the purpose of Agents in Bedrock.

\* Option B: Use data pre-processing and remove any data that causes hallucinations. While data pre-processing can improve model

performance, identifying and removing specific data that causes hallucinations is impractical because hallucinations are often a result of the model's generative process rather than specific problematic data points. This approach is not directly supported by AWS documentation for addressing hallucinations.

\* Option C: Decrease the temperature inference parameter for the model. This is the correct approach. Lowering the temperature reduces the randomness in the model's output, making it more likely to stick to factual and contextually relevant responses. AWS documentation explicitly mentions adjusting inference parameters like temperature to control output quality and mitigate issues like hallucinations.

\* Option D: Use a foundation model (FM) that is trained to not hallucinate. No foundation model is explicitly trained to "not hallucinate," as hallucinations are an inherent challenge in LLMs. While some models may be fine-tuned for specific tasks to reduce hallucinations, this is not a standard feature of foundation models available on Amazon Bedrock.

## References:

AWS Bedrock User Guide: Inference Parameters for Text Generation (<https://docs.aws.amazon.com/bedrock/latest/userguide/model-parameters.html>)

AWS AI Practitioner Learning Path: Module on Large Language Models and Inference Configuration Amazon Bedrock Developer Guide: Managing Model Outputs (<https://docs.aws.amazon.com/bedrock/latest/devguide/>)

## NEW QUESTION # 69

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