

AIF-C01시험패스인증덤프기출문제공부하기



ExamPassdump AIF-C01 최신 PDF 버전 시험 문제집을 무료로 Google Drive에서 다운로드하세요:
<https://drive.google.com/open?id=1DpUMIJQ8ArSGAdEVCNzBCHuKC9sli7xw>

ExamPassdump에는 IT인증시험의 최신Amazon AIF-C01학습가이드가 있습니다. ExamPassdump 는 여러분들이 Amazon AIF-C01 시험에서 패스하도록 도와드립니다. Amazon AIF-C01시험준비시간이 충분하지 않은 분은 덤프로 철저한 시험대비해보세요. 문제도 많지 않고 깔끔하게 문제와 답만으로 되어있어 가장 빠른 시간내에Amazon AIF-C01시험합격할수 있습니다.

Amazon AIF-C01 시험요강:

주제	소개
주제 1	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.
주제 2	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.
주제 3	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.
주제 4	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.
주제 5	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.

>> AIF-C01시험패스 인증덤프 <<

AIF-C01공부자료 & AIF-C01최신버전 인기 덤프자료

IT인증자격증을 취득하는 것은 IT업계에서 자신의 경쟁력을 높이는 유력한 수단입니다. 경쟁에서 밀리지 않으려

면 자격증을 많이 취득하는 편이 안전합니다. 하지만 IT자격증취득은 생각보다 많이 어려운 일입니다. Amazon인증 AIF-C01시험은 인기자격증을 취득하는데 필요한 시험과목입니다. ExamPassdump는 여러분이 자격증을 취득하는 길에서의 없어서는 안 될 동반자입니다. ExamPassdump의 Amazon인증 AIF-C01덤프로 자격증을 편하게 취득하는게 어떨까요?

최신 AWS Certified AI AIF-C01 무료샘플문제 (Q112-Q117):

질문 # 112

Which feature of Amazon OpenSearch Service gives companies the ability to build vector database applications?

- A. Ability to perform real-time analysis on streaming data
- B. Support for geospatial indexing and queries
- C. Integration with Amazon S3 for object storage
- D. Scalable index management and nearest neighbor search capability

정답: D

설명:

Amazon OpenSearch Service (formerly Amazon Elasticsearch Service) has introduced capabilities to support vector search, which allows companies to build vector database applications. This is particularly useful in machine learning, where vector representations (embeddings) of data are often used to capture semantic meaning.

Scalable index management and nearest neighbor search capability are the core features enabling vector database functionalities in OpenSearch. The service allows users to index high-dimensional vectors and perform efficient nearest neighbor searches, which are crucial for tasks such as recommendation systems, anomaly detection, and semantic search.

Here is why option C is the correct answer:

* Scalable Index Management: OpenSearch Service supports scalable indexing of vector data. This means you can index a large volume of high-dimensional vectors and manage these indexes in a cost-effective and performance-optimized way. The service leverages underlying AWS infrastructure to ensure that indexing scales seamlessly with data size.

* Nearest Neighbor Search Capability: OpenSearch Service's nearest neighbor search capability allows for fast and efficient searches over vector data. This is essential for applications like product recommendation engines, where the system needs to quickly find the most similar items based on a user's query or behavior.

* AWS AI Practitioner References:

* According to AWS documentation, OpenSearch Service's support for nearest neighbor search using vector embeddings is a key feature for companies building machine learning applications that require similarity search.

* The service uses Approximate Nearest Neighbors (ANN) algorithms to speed up searches over large datasets, ensuring high performance even with large-scale vector data.

The other options do not directly relate to building vector database applications:

* A. Integration with Amazon S3 for object storage is about storing data objects, not vector-based searching or indexing.

* B. Support for geospatial indexing and queries is related to location-based data, not vectors used in machine learning.

* D. Ability to perform real-time analysis on streaming data relates to analyzing incoming data streams, which is different from the vector search capabilities.

질문 # 113

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

정답: C

설명:

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.

질문 # 114

A retail company is tagging its product inventory. A tag is automatically assigned to each product based on the product description. The company created one product category by using a large language model (LLM) on Amazon Bedrock in few-shot learning mode.

The company collected a labeled dataset and wants to scale the solution to all product categories.

Which solution meets these requirements?

- A. Customize the model with continued pre-training.
- **B. Customize the model with fine-tuning.**
- C. Use prompt engineering with prompt templates.
- D. Use prompt engineering with zero-shot learning.

정답: B

설명:

When you have a labeled dataset and need to scale a generative AI solution for more complex or diverse product categories, fine-tuning the foundation model with your dataset is the best approach for consistent, accurate tagging.

* D is correct:

"Fine-tuning a foundation model with your labeled data allows the model to generalize to new categories and improve tagging accuracy for your inventory." (Reference: Amazon Bedrock Fine-Tuning, AWS Generative AI)

* A (zero-shot) and B (prompt templates) do not leverage the labeled data or scale as accurately.

* C (continued pre-training) uses unlabeled data, not labeled.

질문 # 115

A company is implementing the Amazon Titan foundation model (FM) by using Amazon Bedrock. The company needs to supplement the model by using relevant data from the company's private data sources.

Which solution will meet this requirement?

- **A. Create an Amazon Bedrock knowledge base**
- B. Enable model invocation logging
- C. Choose a lower temperature value
- D. Use a different FM

정답: A

설명:

Creating an Amazon Bedrock knowledge base allows the integration of external or private data sources with a foundation model (FM) like Amazon Titan. This integration helps supplement the model with relevant data from the company's private data sources to enhance its responses.

* Option C (Correct): "Create an Amazon Bedrock knowledge base": This is the correct answer as it enables the company to incorporate private data into the FM to improve its effectiveness.

* Option A: "Use a different FM" is incorrect because it does not address the need to supplement the current model with private data.

* Option B: "Choose a lower temperature value" is incorrect as it affects output randomness, not the integration of private data.

* Option D: "Enable model invocation logging" is incorrect because logging does not help in supplementing the model with additional data.

AWS AI Practitioner References:

* Amazon Bedrock and Knowledge Integration: AWS explains how creating a knowledge base allows Amazon Bedrock to use external data sources to improve the FM's relevance and accuracy.

질문 # 116

A company has created a custom model by fine-tuning an existing large language model (LLM) from Amazon Bedrock. The company wants to deploy the model to production and use the model to handle a steady rate of requests each minute. Which solution meets these requirements MOST cost-effectively?

- A. Use the model with on-demand throughput on Amazon Bedrock.
- B. Deploy the model by using an Amazon EC2 compute optimized instance.
- **C. Purchase Provisioned Throughput for the model on Amazon Bedrock.**
- D. Store the model in Amazon S3 and host the model by using AWS Lambda.

정답: C

설명:

The correct answer is D - Purchase Provisioned Throughput on Amazon Bedrock, which provides guaranteed and predictable model capacity for workloads with consistent or steady request volume. According to AWS Bedrock documentation, Provisioned Throughput is specifically designed for production applications that require reliable, consistent inference performance at a controlled cost. It allows customers to reserve a fixed number of model inference units (MIUs), ensuring low latency and cost savings compared to on-demand pricing when traffic is steady. On-demand throughput (option B) is ideal for unpredictable or sporadic usage, but it becomes more expensive for stable traffic patterns because it charges per token with no discount for steady volume. Hosting the model on EC2 (option A) or Lambda (option C) increases operational overhead, requires model containerization, scaling management, and may not support LLM-level GPU performance efficiently. Bedrock Provisioned Throughput eliminates infrastructure management and provides the most cost-effective solution for stable, predictable workloads.

Referenced AWS Documentation:

- * Amazon Bedrock Developer Guide - Provisioned Throughput
- * AWS ML Specialty Study Guide - Cost Optimization for Generative AI

질문 # 117

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