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Amazon AWS Certified AI Practitioner Sample Questions (Q334-Q339):

NEW QUESTION # 334

A company wants to implement a large language model (LLM)-based chatbot to provide customer service agents with real-time contextual responses to customers' inquiries. The company will use the company's policies as the knowledge base.

- A. Use pre-training and data augmentation on the company policy data.
- B. Retrain the LLM on the company policy data.
- C. Fine-tune the LLM on the company policy data.
- **D. Implement Retrieval Augmented Generation (RAG) for in-context responses.**

Answer: D

Explanation:

Comprehensive and Detailed

Retraining or pre-training is costly and unnecessary for just using company policies.

Fine-tuning adapts models but is inefficient for frequently changing company documents.

Retrieval-Augmented Generation (RAG) is the best approach - it retrieves relevant policy documents from a knowledge base and feeds them into the model context in real time, ensuring accurate and up-to-date responses.

Reference:

AWS Documentation - RAG with Amazon Bedrock

NEW QUESTION # 335

A company is using the Generative AI Security Scoping Matrix to assess security responsibilities for its solutions. The company has identified four different solution scopes based on the matrix.

Which solution scope gives the company the MOST ownership of security responsibilities?

- A. Using a third-party enterprise application that has embedded generative AI features.
- **B. Building and training a generative AI model from scratch by using specific data that a customer owns.**
- C. Refining an existing third-party generative AI foundation model (FM) by fine-tuning the model by using data specific to the business.
- D. Building an application by using an existing third-party generative AI foundation model (FM).

Answer: B

Explanation:

Building and training a generative AI model from scratch provides the company with the most ownership and control over security responsibilities. In this scenario, the company is responsible for all aspects of the security of the data, the model, and the infrastructure.

* Option D (Correct): "Building and training a generative AI model from scratch by using specific data that a customer owns": This is the correct answer because it involves complete ownership of the model, data, and infrastructure, giving the company the highest level of responsibility for security.

* Option A: "Using a third-party enterprise application that has embedded generative AI features" is incorrect as the company has minimal control over the security of the AI features embedded within a third-party application.

* Option B: "Building an application using an existing third-party generative AI foundation model (FM)" is incorrect because security responsibilities are shared with the third-party model provider.

* Option C: "Refining an existing third-party generative AI FM by fine-tuning the model with business-specific data" is incorrect as the foundation model and part of the security responsibilities are still managed by the third party.

AWS AI Practitioner References:

* Generative AI Security Scoping Matrix on AWS: AWS provides a security responsibility matrix that outlines varying levels of control and responsibility depending on the approach to developing and using AI models.

NEW QUESTION # 336

A company wants to deploy a conversational chatbot to answer customer questions. The chatbot is based on a fine-tuned Amazon SageMaker JumpStart model. The application must comply with multiple regulatory frameworks.

Which capabilities can the company show compliance for? (Select TWO.)

- A. Loosely coupled microservices
- **B. Threat detection**
- C. Auto scaling inference endpoints
- D. Cost optimization
- **E. Data protection**

Answer: B,E

Explanation:

To comply with multiple regulatory frameworks, the company must ensure data protection and threat detection. Data protection involves safeguarding sensitive customer information, while threat detection identifies and mitigates security threats to the application.

Option C (Correct): "Data protection": This is correct because data protection is critical for compliance with privacy and security regulations.

Option B (Correct): "Threat detection": This is correct because detecting and mitigating threats is essential to maintaining the security posture required for regulatory compliance.

Option A: "Auto scaling inference endpoints" is incorrect because auto-scaling does not directly relate to regulatory compliance.

Option D: "Cost optimization" is incorrect because it is focused on managing expenses, not compliance.

Option E: "Loosely coupled microservices" is incorrect because this architectural approach does not directly address compliance requirements.

AWS AI Practitioner Reference:

AWS Compliance Capabilities: AWS offers services and tools, such as data protection and threat detection, to help companies meet regulatory requirements for security and privacy.

NEW QUESTION # 337

A company wants to make a chatbot to help customers. The chatbot will help solve technical problems without human intervention. The company chose a foundation model (FM) for the chatbot. The chatbot needs to produce responses that adhere to company tone.

Which solution meets these requirements?

- A. Set a low limit on the number of tokens the FM can produce.
- B. Define a higher number for the temperature parameter.
- **C. Experiment and refine the prompt until the FM produces the desired responses.**
- D. Use batch inferencing to process detailed responses.

Answer: C

NEW QUESTION # 338

A financial company has offices in different countries worldwide. The company requires that all API calls between generative AI applications and foundation models (FM) must not travel across the public internet.

Which AWS service should the company use?

- A. Amazon CloudFront
- B. AWS CloudTrail
- **C. AWS PrivateLink**
- D. Amazon

Answer: C

Explanation:

AWS PrivateLink provides private connectivity between VPCs, AWS services, and on-premises networks, ensuring traffic does not traverse the public internet.

A is correct:

"AWS PrivateLink provides private connectivity to services across VPCs, keeping API traffic off the public internet." (Reference: AWS PrivateLink Overview) B (Amazon Q) is a generative AI assistant, not a network security/control tool.

C (CloudFront) is a CDN, not for private API calls.

D (CloudTrail) is for logging and monitoring, not secure connectivity.

NEW QUESTION # 339

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