Amazon-Web-Services

Exam Questions AIP-C01

AWS Certified Generative AI Developer - Professional

NEW QUESTION 1
An ecommerce company is developing a generative AI application that uses Amazon Bedrock with Anthropic Claude to recommend products to customers. Customers report that some recommended products are not available for sale on the website or are not relevant to the customer. Customers also report that the solution takes a long time to generate some recommendations.
The company investigates the issues and finds that most interactions between customers and the product recommendation solution are unique. The company confirms that the solution recommends products that are not in the company??s product catalog. The company must resolve these issues.
Which solution will meet this requirement?

A. Increase grounding within Amazon Bedrock Guardrail
B. Enable Automated Reasoningcheck
C. Set up provisioned throughput.
D. Use prompt engineering to restrict the model responses to relevant product
E. Use streaming techniques such as the InvokeModelWithResponseStream action to reduce perceived latency for the customers.
F. Create an Amazon Bedrock knowledge bas
G. Implement Retrieval Augmented Generation RA
H. Set the PerformanceConfigLatency parameter to optimized.
I. Store product catalog data in Amazon OpenSearch Servic
J. Validate the model??s product recommendations against the product catalo
K. Use Amazon DynamoDB to implement response caching.

Answer: C

NEW QUESTION 2
A healthcare company is using Amazon Bedrock to develop a real-time patient care AI assistant to respond to queries for separate departments that handle clinical inquiries, insurance verification, appointment scheduling, and insurance claims. The company wants to use a multi-agent architecture.
The company must ensure that the AI assistant is scalable and can onboard new features for patients. The AI assistant must be able to handle thousands of parallel patient interactions. The company must ensure that patients receive appropriate domain-specific responses to queries.
Which solution will meet these requirements?

A. Isolate data for each agent by using separate knowledge base
B. Use IAM filtering to control access to each knowledge bas
C. Deploy a supervisor agent to perform natural language intent classification on patient inquirie
D. Configure the supervisor agent to route queries to specialized collaborator agents to respond to department-specific querie
E. Configure each specialized collaborator agent to use Retrieval Augmented Generation (RAG) with the agent??s department-specific knowledge base.
F. Create a separate supervisor agent for each departmen
G. Configure individual collaborator agents to perform natural language intent classification for each specialty domain within each departmen
H. Integrate each collaborator agent with department-specific knowledge bases onl
I. Implement manual handoff processes between the supervisor agents.
J. Isolate data for each department in separate knowledge base
K. Use IAM filtering to control access to each knowledge bas
L. Deploy a single general-purpose agen
M. Configure multiple action groups within the general-purpose agent to perform specific department function
N. Implement rule-based routing logic within the general-purpose agent instructions.
O. Implement multiple independent supervisor agents that run in parallel to respond to patient inquiries for each departmen
P. Configure multiple collaborator agents for each supervisor agen
Q. Integrate all agents with the same knowledge bas
R. Use external routing logic to merge responses from multiple supervisor agents.

Answer: A

NEW QUESTION 3
A company deploys multiple Amazon Bedrock–based generative AI (GenAI) applications across multiple business units for customer service, content generation, and document analysis. Some applications show unpredictable token consumption patterns. The company requires a comprehensive observability solution that provides real-time visibility into token usage patterns across multiple models. The observability solution must support custom dashboards for multiple stakeholder groups and provide alerting capabilities for token consumption across all the foundation models that the company??s applications use.
Which combination of solutions will meet these requirements with the LEAST operational overhead? (Select TWO.)

A. Use Amazon CloudWatch metrics as data sources to create custom Amazon QuickSight dashboards that show token usage trends and usage patterns across FMs.
B. Use CloudWatch Logs Insights to analyze Amazon Bedrock invocation logs for token consumption patterns and usage attribution by applicatio
C. Create custom queries to identify high-usage scenario
D. Add log widgets to dashboards to enable continuous monitoring.
E. Create custom Amazon CloudWatch dashboards that combine native Amazon Bedrock token and invocation CloudWatch metric
F. Set up CloudWatch alarms to monitor token usage thresholds.
G. Create dashboards that show token usage trends and patterns across the company??s FMs by using an Amazon Bedrock zero-ETL integration with Amazon Managed Grafana.
H. Implement Amazon EventBridge rules to capture Amazon Bedrock model invocation event
I. Route token usage data to Amazon OpenSearch Serverless by using Amazon Data Firehos
J. Use OpenSearch dashboards to analyze usage patterns.

Answer: CD

NEW QUESTION 4
A healthcare company is developing a document management system that stores medical research papers in an Amazon S3 bucket. The company needs a comprehensive metadata framework to improve search precision for a GenAI application. The metadata must include document timestamps, author information, and research domain classifications.
The solution must maintain a consistent metadata structure across all uploaded documents and allow foundation models (FMs) to understand document context without accessing full content.

Which solution will meet these requirements?

A. Store document timestamps in Amazon S3 system metadat
B. Use S3 object tags for domain classificatio
C. Implement custom user-defined metadata to store author information.
D. Set up S3 Object Lock with legal holds to track document timestamp
E. Use S3 object tags for author informatio
F. Implement S3 access points for domain classification.
G. Use S3 Inventory reports to track timestamp
H. Create S3 access points for domain classificatio
I. Store author information in S3 Storage Lens dashboards.
J. Use custom user-defined metadata to store author informatio
K. Use S3 Object Lock retention periods for timestamp
L. Use S3 Event Notifications for domain classification.

Answer: A

NEW QUESTION 5
A medical company is creating a generative AI (GenAI) system by using Amazon Bedrock. The system processes data from various sources and must maintain end-to-end data lineage. The system must also use real-time personally identifiable information (PII) filtering and audit trails to automatically report compliance.
Which solution will meet these requirements?

A. Use AWS Glue Data Catalog to register all data sources and track lineag
B. Use Amazon Bedrock Guardrails PII filter
C. Enable AWS CloudTrail logging for all Amazon Bedrock API calls with Amazon S3 integratio
D. Use Amazon Macie to scan stored data for sensitive information and publish findings to Amazon CloudWatch Log
E. Create CloudWatch dashboards to visualize the findings and generate automated compliance reports.
F. Use AWS Config to track data source configurations and change
G. Use AWS WAF with custom rules to filter PII at the application layer before Amazon Bedrock processes the dat
H. Configure Amazon EventBridge to capture and route audit events to Amazon S3. Use Amazon Comprehend Medical with scheduled AWS Lambda functions to analyze stored outputs for compliance violations.
I. Use AWS DataSync to replicate data sources to track lineag
J. Configure Amazon Macie to scan Amazon Bedrock outputs for sensitive informatio
K. Use AWS Systems Manager Session Manager to log user interaction
L. Deploy Amazon Textract with AWS Step Functions workflows to identify and redact PII from generated reports.
M. Configure Amazon Athena to query data sources to analyze and report on data lineag
N. Use Amazon CloudWatch custom metrics to monitor PII exposure in Amazon Bedrock responses and establish AWS X-Ray tracing to generate an audit trai
O. Use an Amazon Rekognition Custom Labels model to detect sensitive information in the data that Amazon Bedrock processes.

Answer: A

NEW QUESTION 6
A company has set up Amazon Q Developer Pro licenses for all developers at the company. The company maintains a list of approved resources that developers must use when developing applications. The approved resources include internal libraries, proprietary algorithmic techniques, and sample code with approved styling.
A new team of developers is using Amazon Q Developer to develop a new Java-based application. The company must ensure that the new developer team uses the company??s approved resources. The company does not want to make project-level modifications.
Which solution will meet these requirements?

A. Create a Git repository that contains all of the approved internal libraries, algorithms, and code sample
B. Include this Git repository in the application project locally as part of the workspac
C. Ensure that the developers use the workspace context to retrieve suggestions from the Git repository.
D. In the project root folder, create a folder named amazonq/rule
E. Add the approved internal libraries, algorithms, and code samples to the folder.
F. Create a folder in the application project named rule
G. Store the guidelines and code in the folder for Amazon Q Developer to reference for code suggestions.
H. Create an Amazon Q Developer customization that includes the approved data source
I. Ensure that the developers use the customization to develop the application.

Answer: D

NEW QUESTION 7
A company is developing a generative AI (GenAI)-powered customer support application that uses Amazon Bedrock foundation models (FMs). The application must maintain conversational context across multiple interactions with the same user. The application must run clarification workflows to handle ambiguous user queries. The company must store encrypted records of each user conversation to use for personalization. The application must be able to handle thousands of concurrent users while responding to each user quickly.
Which solution will meet these requirements?

A. Use an AWS Step Functions Express workflow to orchestrate conversation flo
B. Invoke AWS Lambda functions to run clarification logi
C. Store conversation history in Amazon RDS and use session IDs as the primary key.
D. Use an AWS Step Functions Standard workflow to orchestrate clarification workflow
E. Include Wait for a Callback patterns to manage the workflow
F. Store conversation history in Amazon DynamoD
G. Purchase on-demand capacity and configure server-side encryption.
H. Deploy the application by using an Amazon API Gateway REST API to route user requests to an AWS Lambda function to update and retrieve conversation contex
I. Store conversation history in Amazon S3 and configure server-side encryptio
J. Save each interaction as a separate JSON file.
K. Use AWS Lambda functions to call Amazon Bedrock inference API

L. Use Amazon SQS queues to orchestrate clarification step
M. Store conversation history in an Amazon ElastiCache (Redis OSS) cluste
N. Configure encryption at rest.

Answer: B

NEW QUESTION 8
A company uses Amazon Bedrock to implement a Retrieval Augmented Generation (RAG)- based system to serve medical information to users. The company needs to compare multiple chunking strategies, evaluate the generation quality of two foundation models (FMs), and enforce quality thresholds for deployment.
Which Amazon Bedrock evaluation configuration will meet these requirements?

A. Create a retrieve-only evaluation job that uses a supported version of Anthropic Claude Sonnet as the evaluator mode
B. Configure metrics for context relevance and context coverag
C. Define deployment thresholds in a separate CI/CD pipeline.
D. Create a retrieve-and-generate evaluation job that uses custom precision-at-k metrics and an LLM-as-a-judge metric with a scale of 1–5. Include each chunking strategy in the evaluation datase
E. Use a supported version of Anthropic Claude Sonnet to evaluate responses from both FMs.
F. Create a separate evaluation job for each chunking strategy and FM combinatio
G. Use Amazon Bedrock built-in metrics for correctness and completenes
H. Manually review scores before deployment approval.
I. Set up a pipeline that uses multiple retrieve-only evaluation jobs to assess retrieval qualit
J. Create separate evaluation jobs for both FMs that use Amazon Nova Pro as the LLM-as-a-judge mode
K. Evaluate based on faithfulness and citation precision metrics.

Answer: B

NEW QUESTION 9
A company has a recommendation system running on Amazon EC2 instances. The applications make API calls to Amazon Bedrock foundation models (FMs) to analyze
customer behavior and generate personalized product recommendations.
The system experiences intermittent issues where some recommendations do not match customer preferences. The company needs an observability solution to monitor operational metrics and detect patterns of performance degradation compared to established baselines. The solution must generate alerts with correlation data within 10 minutes when FM behavior deviates from expected patterns.
Which solution will meet these requirements?

A. Configure Amazon CloudWatch Container Insight
B. Set up alarms for latency threshold
C. Add custom token metrics using the CloudWatch embedded metric format.
D. Implement AWS X-Ra
E. Enable CloudWatch Logs Insight
F. Set up AWS CloudTrail and create dashboards in Amazon QuickSight.
G. Enable Amazon CloudWatch Application Insight
H. Create custom metrics for recommendation quality, token usage, and response latency using the CloudWatch embedded metric format with dimensions for request types and user segment
I. Configure CloudWatch anomaly detection on model metric
J. Use CloudWatch Logs Insights for pattern analysis.
K. Use Amazon OpenSearch Service with the Observability plugi
L. Ingest metrics and logs through Amazon Kinesis and analyze behavior with custom queries.

Answer: C

NEW QUESTION 10
A company is building a video analysis platform on AWS. The platform will analyze a large video archive by using Amazon Rekognition and Amazon Bedrock. The platform must comply with predefined privacy standards. The platform must also use secure model I/O, control foundation model (FM) access patterns, and provide an audit of who accessed what and when.
Which solution will meet these requirements?

A. Configure VPC endpoints for Amazon Bedrock model API call
B. Implement Amazon Bedrock guardrails to filter harmful or unauthorized content in prompts and response
C. Use Amazon Bedrock trace events to track all agent and model invocations for auditing purpose
D. Export the traces to Amazon CloudWatch Logs as an audit record of model usag
E. Store all prompts and outputs in Amazon S3 with server-side encryption with AWS KMS keys (SSE-KMS).
F. Define access control by using IAM with attribute-based access control (ABAC) to map departments to specific permission
G. Configure VPC endpoints for Amazon Bedrock model API call
H. Use IAM condition keys to enforce specific GuardrailIdentifier and ModelId value
I. Configure AWS CloudTrail to capture management and data events for S3 objects and KMS key usage activitie
J. Enable S3 server access logging to record detailed file-level interactions with the video archive
K. Send all CloudTrail logs to AWS CloudTrail Lak
L. Set up Amazon CloudWatch alarms to detect and alert on unexpected activity from Amazon Bedrock, Amazon Rekognition, and AWS KMS.
M. Restrict access to services by using VPC endpoint policie
N. Use AWS Config to track resource changes and compliance with security rule
O. Use server-side encryption with AWS KMS keys (SSE-KMS) to encrypt data at res
P. Store the model??s I/O in separate Amazon S3 bucket
Q. Enable S3 server access logging to track file-level interactions.
R. Configure AWS CloudTrail Insights to analyze API call patterns across accounts and detect anomalous activity in Amazon Bedrock, Amazon Rekognition, Amazon S3, and AWS KM
S. Deploy Amazon Macie to scan and classify the video archiv
T. Use server-side encryption with AWS KMS keys (SSE-KMS) to encrypt all stored dat
. Configure CloudTrail to capture KMS API usage events for audit purpose
. Configure Amazon EventBridge rules to process CloudTrail Insights anomalies and Macie finding

. Use CloudWatch alarms to trigger automated notifications and security responses when potential security issues are detected.

Answer: B

NEW QUESTION 10
A company is creating a workflow to review customer-facing communications before the company sends the communications. The company uses a pre-defined message template to generate the communications and stores the communications in an Amazon S3 bucket. The workflow needs to capture a specific portion from the template and send it to an Amazon Bedrock model. The workflow must store model responses back to the original S3 bucket.
Which solution will meet these requirements?

A. Create a flow in Amazon Bedrock Flow
B. Configure S3 action nodes at the beginning and end of the flow to retrieve and store the communications and the model response
C. In the middle of the flow, configure an expression to parse each communicatio
D. Configure an agent step to send the parsed input to the model for review.
E. Create an AWS Step Functions Express workflow state machin
F. Use an Amazon S3 integration GetObject step to retrieve the original communication
G. Use an intrinsic function Pass step to parse the communications and to pass the results to an Amazon Bedrock InvokeModel ste
H. Configure an Amazon S3 integration PutObject step to store the model responses back to the S3 bucket.
I. Create an Amazon Bedrock agent that has an action grou
J. Configure instructions to define how the agent should parse the communication
K. Configure the action group to retrieve the communications from the S3 bucket, invoke the Amazon Bedrock model, and store the model responses back to the S3 bucket.
L. Create an Amazon Bedrock agent that has a single action grou
M. Configure three AWS Lambda functions in the action grou
N. Configure the functions to retrieve the communications from the S3 bucket, parse the communications and invoke the Amazon Bedrock model, and store the model responses back to the S3 bucket.

Answer: A

NEW QUESTION 11
A finance company is developing an AI assistant to help clients plan investments and manage their portfolios. The company identifies several high-risk conversation patterns such as requests for specific stock recommendations or guaranteed returns. High-risk conversation patterns could lead to regulatory violations if the company cannot implement appropriate controls.
The company must ensure that the AI assistant does not provide inappropriate financial advice, generate content about competitors, or make claims that are not factually grounded in the company's approved financial guidance. The company wants to use Amazon Bedrock Guardrails to implement a solution.
Which combination of steps will meet these requirements? (Select THREE)

A. Add the high-risk conversation patterns to a denied topics guardrail.
B. Configure a content filter guardrail to filter prompts that contain the high-risk conversation patterns.
C. Configure a content filter guardrail to filter prompts that contain competitor names.
D. Add the names of competitors as custom word filter
E. Set the input and output actions to block.
F. Set a low grounding score threshold.
G. Set a high grounding score threshold.

Answer: ADF

NEW QUESTION 12
An ecommerce company operates a global product recommendation system that needs to switch between multiple foundation models (FMs) in Amazon Bedrock based on regulations, cost optimization, and performance requirements. The company must apply custom controls based on proprietary business logic, including dynamic cost thresholds, AWS Region-specific compliance rules, and real-time A/B testing across multiple FMs. The system must be able to switch between FMs without deploying new code. The system must route user requests based on complex rules including user tier, transaction value, regulatory zone, and real-time cost metrics that change hourly and require immediate propagation across thousands of concurrent requests.
Which solution will meet these requirements?

A. Deploy an AWS Lambda function that uses environment variables to store routing rules and Amazon Bedrock FM ID
B. Use the Lambda console to update the environment variables when business requirements chang
C. Configure an Amazon API Gateway REST API to read request parameters to make routing decisions.
D. Deploy Amazon API Gateway REST API request transformation templates to implement routing logic based on request attribute
E. Store Amazon Bedrock FM endpoints as REST API stage variable
F. Update the variables when the system switches between models.
G. Configure an AWS Lambda function to fetch routing configuration from the AWS AppConfig Agent for each user reques
H. Run business logic in the Lambda function to select the appropriate FM for each reques
I. Expose the FM through a single Amazon API Gateway REST API endpoint.
J. Use AWS Lambda authorizers for an Amazon API Gateway REST API to evaluate routing rules that are stored in AWS AppConfi
K. Return authorization contexts based on business logi
L. Route requests to model-specific Lambda functions for each Amazon Bedrock FM.

Answer: C

NEW QUESTION 14
A medical device company wants to feed reports of medical procedures that used the company??s devices into an AI assistant. To protect patient privacy, the AI assistant must expose patient personally identifiable information (PII) only to surgeons. The AI assistant must redact PII for engineers. The AI assistant must reference only medical reports that are less than 3 years old.
The company stores reports in an Amazon S3 bucket as soon as each report is published. The company has already set up an Amazon Bedrock Knowledge Bases. The AI assistant uses Amazon Cognito to authenticate users.
Which solution will meet these requirements?

A. Enable Amazon Macie PII detection on the S3 bucke

B. Use an S3 trigger to invoke an AWS Lambda function that redacts PII from the report
C. Configure the Lambda function to delete outdated documents and invoke knowledge base syncing.
D. Invoke an AWS Lambda function to sync the S3 bucket and the knowledge base when a new report is uploade
E. Use a second Lambda function with Amazon Comprehend to redact PII for engineer
F. Use S3 Lifecycle rules to remove reports older than 3 years.
G. Set up an S3 Lifecycle configuration to remove reports that are older than 3 year
H. Schedule an AWS Lambda function to run daily syncs between the bucket and the knowledge bas
I. When users interact with the AI assistant, apply a guardrail configuration selected based on the user??s Cognito user group to redact PII from responses when required.
J. Create a second knowledge bas
K. Use Lambda and Amazon Comprehend to redact PII before syncing to the second knowledge bas
L. Route users to the appropriate knowledge base based on Cognito group membership.

Answer: C

NEW QUESTION 18
A medical company is building a generative AI (GenAI) application that uses Retrieval Augmented Generation (RAG) to provide evidence-based medical information. The application uses Amazon OpenSearch Service to retrieve vector embeddings. Users report that searches frequently miss results that contain exact medical terms and acronyms and return too many semantically similar but irrelevant documents. The company needs to improve retrieval quality and maintain low end-user latency, even as the document collection grows to millions of documents.
Which solution will meet these requirements with the LEAST operational overhead?

A. Configure hybrid search by combining vector similarity with keyword matching to improve semantic understanding and exact term and acronym matching.
B. Increase the dimensions of the vector embeddings from 384 to 1536. Use a post- processing AWS Lambda function to filter out irrelevant results after retrieval.
C. Replace OpenSearch Service with Amazon Kendr
D. Use query expansion to handle medical acronyms and terminology variants during pre-processing.
E. Implement a two-stage retrieval architecture in which initial vector search results are re- ranked by an ML model hosted on Amazon SageMaker.

Answer: A

NEW QUESTION 21
A financial services company is developing a real-time generative AI (GenAI) assistant to support human call center agents. The GenAI assistant must transcribe live customer speech, analyze context, and provide incremental suggestions to call center agents while a customer is still speaking. To preserve responsiveness, the GenAI assistant must maintain end-to-end latency under 1 second from speech to initial response display. The architecture must use only managed AWS services and must support bidirectional streaming to ensure that call center agents receive updates in real time.
Which solution will meet these requirements?

A. Use Amazon Transcribe streaming to transcribe call
B. Pass the text to Amazon Comprehend for sentiment analysi
C. Feed the results to Anthropic Claude on Amazon Bedrock by using the InvokeModel AP
D. Store results in Amazon DynamoD
E. Use a WebSocket API to display the results.
F. Use Amazon Transcribe streaming with partial results enabled to deliver fragments oftranscribed text before customers finish speakin
G. Forward text fragments to Amazon Bedrock by using the InvokeModelWithResponseStream AP
H. Stream responses to call center agents through an Amazon API Gateway WebSocket API.
I. Use Amazon Transcribe batch processing to convert calls to tex
J. Pass complete transcripts to Anthropic Claude on Amazon Bedrock by using the ConverseStream AP
K. Return responses through an Amazon Lex chatbot interface.
L. Use the Amazon Transcribe streaming API with an AWS Lambda function to transcribe each audio segmen
M. Call the Amazon Titan Embeddings model on Amazon Bedrock by using the InvokeModel AP
N. Publish results to Amazon SNS.

Answer: B

NEW QUESTION 22
A financial services company is developing a customer service AI assistant by using Amazon Bedrock. The AI assistant must not discuss investment advice with users. The AI assistant must block harmful content, mask personally identifiable information (PII), and maintain audit trails for compliance reporting. The AI assistant must apply content filtering to both user inputs and model responses based on content sensitivity.
The company requires an Amazon Bedrock guardrail configuration that will effectively enforce policies with minimal false positives. The solution must provide multiple handling strategies for multiple types of sensitive content.
Which solution will meet these requirements?

A. Configure a single guardrail and set content filters to high for all categorie
B. Set up denied topics for investment advice and include sample phrases to bloc
C. Set up sensitive information filters that apply the block action for all PII entitie
D. Apply the guardrail to all model inference calls.
E. Configure multiple guardrails by using tiered policie
F. Create one guardrail and set content filters to hig
G. Configure the guardrail to block PII for public interaction
H. Configure a second guardrail and set content filters to mediu
I. Configure the second guardrail to mask PII for internal us
J. Configure multiple topic-specific guardrails to block investment advice and set up contextual grounding checks.
K. Configure a guardrail and set content filters to medium for harmful conten
L. Set updenied topics for investment advice and include clear definitions and sample phrases to bloc
M. Configure sensitive information filters to mask PII in responses and to block financial information in input
N. Enable both input and output evaluations that use custom blocked messages for audits.
O. Create a separate guardrail for each use cas
P. Create one guardrail that applies a harmful content filte
Q. Create a guardrail to apply topic filters for investment advic
R. Create a guardrail to apply sensitive information filters to block PI

S. Use AWS Step Functions to chain the guardrails sequentially.

Answer: C

NEW QUESTION 23
A company uses AWS Lake Formation to set up a data lake that contains databases and tables for multiple business units across multiple AWS Regions. The company wants to use a foundation model (FM) through Amazon Bedrock to perform fraud detection. The FM must ingest sensitive financial data from the data lake. The data includes some customer personally identifiable information (PII).
The company must design an access control solution that prevents PII from appearing in a production environment. The FM must access only authorized data subsets that have PII redacted from specific data columns. The company must capture audit trails for all data access.
Which solution will meet these requirements?

A. Create a separate dataset in a separate Amazon S3 bucket for each business unit and Region combinatio
B. Configure S3 bucket policies to control access based on IAM roles that are assigned to FM training instance
C. Use S3 access logs to track data access.
D. Configure the FM to authenticate by using AWS Identity and Access Management roles and Lake Formation permissions based on LF-Tag expression
E. Define business units and Regions as LF-Tags that are assigned to databases and table
F. Use AWS CloudTrail to collect comprehensive audit trails of data access.
G. Use direct IAM principal grants on specific databases and tables in Lake Formatio
H. Create a custom application layer that logs access requests and further filters sensitive columns before sending data to the FM.
I. Configure the FM to request temporary credentials from AWS Security Token Servic
J. Access the data by using presigned S3 URLs that are generated by an API that applies business unit and Regional filter
K. Use AWS CloudTrail to collect comprehensive audit trails of data access.

Answer: B

NEW QUESTION 26
A company is building an AI advisory application by using Amazon Bedrock. The application will provide recommendations to customers. The company needs the application to explain its reasoning process and cite specific sources for data. The application must retrieve information from company data sources and show step-by-step reasoning for recommendations. The application must also link data claims to source documents and maintain response latency under 3 seconds.
Which solution will meet these requirements with the LEAST operational overhead?

A. Use Amazon Bedrock Knowledge Bases with source attribution enable
B. Use the Anthropic Claude Messages API with RAG to set high-relevance thresholds for sourcedocument
C. Store reasoning and citations in Amazon S3 for auditing purposes.
D. Use Amazon Bedrock with Anthropic Claude models and extended thinkin
E. Configure a 4,000-token thinking budge
F. Store reasoning traces and citations in Amazon DynamoDB for auditing purposes.
G. Configure Amazon SageMaker AI with a custom Anthropic Claude mode
H. Use the model??s reasoning parameter and AWS Lambda to process response
I. Add source citations from a separate Amazon RDS database.
J. Use Amazon Bedrock with Anthropic Claude models and chain-of-thought reasonin
K. Configure custom retrieval tracking with the Amazon Bedrock Knowledge Bases AP
L. Use Amazon CloudWatch to monitor response latency metrics.

Answer: A

NEW QUESTION 28
An elevator service company has developed an AI assistant application by using Amazon Bedrock. The application generates elevator maintenance recommendations to support the company??s elevator technicians. The company uses Amazon Kinesis Data Streams to collect the elevator sensor data.
New regulatory rules require that a human technician must review all AI-generated recommendations. The company needs to establish human oversight workflows to review and approve AI recommendations. The company must store all human technician review decisions for audit purposes.
Which solution will meet these requirements?

A. Create a custom approval workflow by using AWS Lambda functions and Amazon SQS queues for human review of AI recommendation
B. Store all review decisions in Amazon DynamoDB for audit purposes.
C. Create an AWS Step Functions workflow that has a human approval step that uses the waitForTaskToken API to pause executio
D. After a human technician completes a review, use an AWS Lambda function to call the SendTaskSuccess API with the approval decisio
E. Store all review decisions in Amazon DynamoDB.
F. Create an AWS Glue workflow that has a human approval ste
G. After the human technician review, integrate the application with an AWS Lambda function that calls the SendTaskSuccess AP
H. Store all human technician review decisions in Amazon DynamoDB.
I. Configure Amazon EventBridge rules with custom event patterns to route AI recommendations to human technicians for revie
J. Create AWS Glue jobs to process human technician approval queue
K. Use Amazon ElastiCache to cache all human technician review decisions.

Answer: B

NEW QUESTION 31
A company is developing a customer support application that uses Amazon Bedrock foundation models (FMs) to provide real-time AI assistance to the company??s employees. The application must display AI-generated responses character by character as the responses are generated. The application needs to support thousands of concurrent users with minimal latency. The responses typically take 15 to 45 seconds to finish.
Which solution will meet these requirements?

A. Configure an Amazon API Gateway WebSocket API with an AWS Lambda integratio
B. Configure the WebSocket API to invoke the Amazon Bedrock InvokeModelWithResponseStream API and stream partial responses through WebSocket connections.
C. Configure an Amazon API Gateway REST API with an AWS Lambda integratio
D. Configure the REST API to invoke the Amazon Bedrock standard InvokeModel API and implement frontend client-side polling every 100 ms for complete

response chunks.
E. Implement direct frontend client connections to Amazon Bedrock by using IAM user credentials and the InvokeModelWithResponseStream API without any intermediate gateway or proxy layer.
F. Configure an Amazon API Gateway HTTP API with an AWS Lambda integratio
G. Configure the HTTP API to cache complete responses in an Amazon DynamoDB table and serve the responses through multiple paginated GET requests to frontend clients.

Answer: A

NEW QUESTION 36
A company is designing a solution that uses foundation models (FMs) to support multiple AI workloads. Some FMs must be invoked on demand and in real time. Other FMs require consistent high-throughput access for batch processing.
The solution must support hybrid deployment patterns and run workloads across cloud infrastructure and on-premises infrastructure to comply with data residency and compliance requirements.
Which combination of steps will meet these requirements? (Select TWO.)

A. Use AWS Lambda to orchestrate low-latency FM inference by invoking FMs hosted on Amazon SageMaker AI asynchronous endpoints.
B. Configure provisioned throughput in Amazon Bedrock to ensure consistent performance for high-volume workloads.
C. Deploy FMs to Amazon SageMaker AI endpoints with support for edge deployment by using Amazon SageMaker Ne
D. Orchestrate the FMs by using AWS Lambda to support hybrid deployment.
E. Use Amazon Bedrock with auto-scaling to handle unpredictable traffic surges.
F. Use Amazon SageMaker JumpStart to host and invoke the FMs.

Answer: BC

NEW QUESTION 39
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