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Pdf AI-103 Files - Microsoft Exams AI-103 Torrent: Developing AI Apps and Agents on Azure Finally Passed

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Microsoft Developing AI Apps and Agents on Azure Sample Questions (Q19-Q24):

NEW QUESTION # 19

You need to recommend a solution to support the planned changes and technical requirements for Agent1 to use the product information stored in storage1.

What should you include in the recommendation?

- A. Azure AI Search
- B. Azure Translator in Foundry Tools
- C. Grounding with Bing Search
- D. Azure Document Intelligence in Foundry Tools

Answer: A

Explanation:

The correct recommendation is Azure AI Search. The case study states that the product detail sheets are stored as PDFs in storage1, and that Agent1 must be enabled to retrieve and use detailed product information from those sheets. It also specifies that the indexing pipeline must enable semantic and vector search, and that Agent1 must answer natural language questions about product details by using the product sheet information.

Azure AI Search is the Azure service designed to ingest content from sources such as Azure Blob Storage, create searchable indexes, and support keyword, semantic, hybrid, and vector retrieval for Retrieval Augmented Generation (RAG) solutions. Microsoft's Azure AI Search guidance states that integrated vectorization can chunk content and generate embeddings during indexing, enabling vector search over source documents. It also states that Azure AI Search supports text and vector queries and can improve raw content for search-related scenarios through enrichment pipelines. Azure Translator is unrelated to retrieval. Document Intelligence can extract document structure, but it is not the retrieval index for Agent1. Grounding with Bing Search retrieves public web content, not Contoso's private PDFs in storage1. Reference topics: Azure AI Search, RAG, semantic search, vector search, Azure Blob Storage indexing, and agent grounding.

NEW QUESTION # 20

You have a Microsoft Foundry project named Project1 that contains an agent. The agent uses an OpenAPI 3.0 specification to call an external weather service.

The weather service requires a key to be passed in an HTTP header. The key value is stored as a connection in Project1.

You need to ensure that the key value from the connection is included automatically whenever the OpenAPI tool is invoked.

What should you configure in the OpenAPI specification?

- **A. an API key security scheme**
- B. an Azure Key Vault connection
- C. a Bearer token security scheme
- D. a header parameter defined for each operation

Answer: A

Explanation:

The correct configuration is an API key security scheme. For Microsoft Foundry Agent Service OpenAPI tools, the OpenAPI specification must declare authentication through the components.securitySchemes section and use a scheme of type apiKey when the external service expects a key in a header. Microsoft's OpenAPI tool guidance states that API key authentication requires updating the OpenAPI spec security schemes with one scheme of type apiKey, and the tool then uses the associated project connection to supply the key value at runtime. This allows the key stored in Project1's connection to be injected automatically when the tool is invoked.

A header parameter defined separately for each operation is not the correct approach because credentials should not be modeled as ordinary operation parameters. The Foundry guidance explicitly indicates that parameters requiring the API key should be removed from the OpenAPI spec because the API key is stored and passed through a connection. A Bearer token security scheme is used for bearer-token-style authorization, not a generic weather API key passed in a custom HTTP header. Azure Key Vault is a secret store, but the scenario already stores the key in a Foundry project connection. Reference topics: Microsoft Foundry Agent Service, OpenAPI tools, project connections, API key authentication, and OpenAPI security schemes.

NEW QUESTION # 21

You need to configure the model deployment for Agent1 to meet the technical requirements.

What should you configure? To answer, select the appropriate options in the answer area.

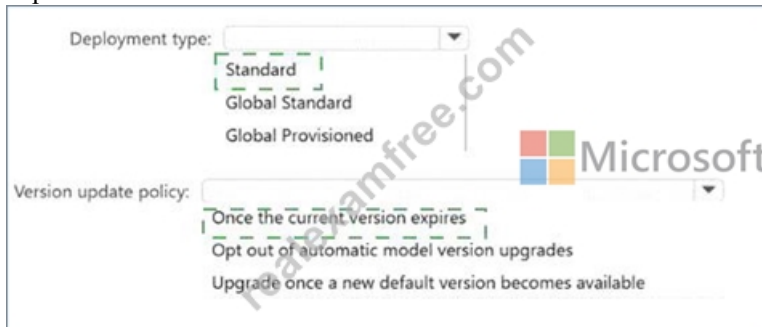
NOTE: Each correct selection is worth one point.



The screenshot shows a configuration interface with two dropdown menus. The first dropdown, labeled 'Deployment type', has three options: 'Standard', 'Global Standard', and 'Global Provisioned'. The second dropdown, labeled 'Version update policy', has three options: 'Once the current version expires', 'Opt out of automatic model version upgrades', and 'Upgrade once a new default version becomes available'. A watermark 'Microsoft Examfree.com' is visible across the image.

Answer:

Explanation:



Explanation:

Deployment type: Standard

Version update policy: Once the current version expires

The correct deployment type is Standard . The case study specifies that Project1 is deployed in an EU Azure region and that model-processed data must remain within the EU. It also requires scalable, high-throughput generative AI workloads that dynamically handle variable customer support traffic without reserved throughput capacity. In Microsoft Foundry Models, Standard is a pay-per-token deployment type that processes data in a single Azure region, while Global Standard can process requests across regions and Global Provisioned uses reserved provisioned throughput. Microsoft's deployment-type guidance identifies Standard as single-region, pay-per-token, whereas Global Provisioned is cross-region with reserved capacity.

The correct version update policy is Once the current version expires . This keeps Agent1 on the selected model version during its supported lifecycle, which supports stable and consistent responses, but still preserves continuity by automatically moving to a supported replacement when the current version is retired.

Microsoft's model versioning guidance states that this policy updates only when the current model version expires, while upgrading when a new default is available changes the deployment sooner and opting out can cause the deployment to stop working after retirement. Reference topics: deployment types, regional data processing, model versioning, throughput capacity, and stable production deployments.

NEW QUESTION # 22

You have a Microsoft Foundry project that serves a high-volume chat app.

Most requests are simple FAQs, but some require advanced reasoning.

You need to reduce costs and latency for common queries, without degrading the quality of the responses to complex questions.

What should you do?

- A. Route all the requests to a smaller model.
- B. Increase the value of the max_tokens parameter for all the requests.
- C. Route all the requests to the most capable model.
- **D. Use a model cascade that routes the requests to different models.**

Answer: D

Explanation:

The correct choice is to use a model cascade that routes the requests to different models . In Microsoft Foundry, this pattern aligns with model routing: simple, low-risk prompts can be handled by smaller, faster, lower-cost models, while complex prompts can be escalated to more capable or reasoning models. Microsoft's Foundry model router guidance states that the router optimizes cost and latency while maintaining comparable quality by using smaller, cheaper models when they are sufficient and larger or reasoning models when the task requires more advanced capability.

This directly matches the scenario: most traffic consists of simple FAQs, so routing those requests to efficient models reduces average latency and token-processing cost. Advanced reasoning requests still receive high- quality responses because they are routed to models with stronger reasoning capability. Microsoft's model router documentation also explains that routing decisions consider prompt difficulty, cost, quality, latency, and conversation context, making it suitable for diverse chat workloads.

Increasing max_tokens for all requests would usually increase cost and latency. Sending all requests to a smaller model risks poor quality for complex questions, while sending all requests to the most capable model wastes cost and latency on simple FAQs.

Reference topics: Microsoft Foundry model routing, model selection, generative AI optimization, latency management, and cost-aware AI application design.

NEW QUESTION # 23

You have a Microsoft Foundry project that contains an agent.

The agent uses a knowledge source built from documents stored in Azure Blob Storage. The documents include digitally scanned PDFs that contain multipage tables.

You have an ingestion job that extracts only plain text, causing loss of table structure, headings, and page-number metadata.

Users frequently ask questions that require the retrieval of specific table rows across the pages.

You need to configure an ingestion job for a Retrieval Augmented Generation (RAG) pipeline that performs optical character recognition (OCR) on scanned PDFs, preserves tables and headings as structure-aware chunks, and stores page-number metadata with each chunk.

How should you configure the ingestion job?

- A. Use OCR and page-level chunking.
- B. Use basic parsing and fixed-size chunking.
- C. Use page-level OCR extraction and store each page as a single chunk.
- **D. Use advanced data parsing to reingest the documents.**

Answer: D

Explanation:

The correct configuration is advanced data parsing because the issue is not merely OCR; the ingestion job must preserve document structure for reliable RAG retrieval. Microsoft guidance for advanced parsing states that it automatically detects tables across all pages, including tables in scanned documents, merges tables that span multiple pages, restores column headers, and creates table chunks with metadata such as table index, shape, page numbers, section headings, and table previews. This directly satisfies the requirement to retrieve specific rows from multipage tables while retaining source-page context.

Basic parsing with fixed-size chunking would flatten the document into arbitrary text fragments, which is the current failure mode.

OCR with page-level chunking improves text extraction from scanned PDFs, but it does not provide structure-aware chunks that preserve headings and table relationships across pages. Storing each page as a single chunk is too coarse for row-level retrieval and can bury relevant table rows in excessive context. Advanced data parsing is purpose-built for RAG ingestion because it produces semantically meaningful, retrievable chunks and enriches them with metadata needed for citations and grounding.

Reference topics: RAG ingestion, advanced parsing, OCR, table extraction, structure-aware chunking, page metadata, and Azure Blob Storage document ingestion.

NEW QUESTION # 24

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