

Microsoft AI-103 Reliable Test Objectives, AI-103 Valid Exam Tips

Microsoft Azure AZ-103 Exam Objectives	
Domain (with % weight)	Topics Covered
Microsoft Azure Subscriptions and Resources (15-20%)	<ul style="list-style-type: none">• Managing Azure subscriptions• Managing resource groups• Analyzing resource utilization and consumption• Managing role-based access control (RBAC)
Implementing and Managing Storage (15-20%)	<ul style="list-style-type: none">• Creation and configuration of storage accounts• Configuration of Azure files• Importing and exporting data to Azure• Implementing Azure backup
Deploying and Managing Virtual Machines (VMs) (15-20%)	<ul style="list-style-type: none">• Creation and configuration of a virtual machine for Windows and Linux• Managing Azure virtual machine• Automating the deployment of virtual machines• Managing virtual machine backups
Configuring and Managing Virtual Machines (VMs) (30-35%)	<ul style="list-style-type: none">• Creating connectivity between virtual networks• Implementing and managing virtual networking• Configuring name resolution• Creating and configuring a Network Security Group (NSG)• Implementing Azure load balancer• Monitoring and troubleshooting virtual networking• Integrating on premises network with Azure virtual network
Managing Identities (15-20%)	<ul style="list-style-type: none">• Managing Azure Active Directory (AD)• Managing Azure AD objects (users, groups, and devices)• Implementing and managing hybrid identities• Implementing multi-factor authentication (MFA)

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>> Microsoft AI-103 Reliable Test Objectives <<

AI-103 Valid Exam Tips, AI-103 Valid Exam Review

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Microsoft Developing AI Apps and Agents on Azure Sample Questions (Q53-

Q58):

NEW QUESTION # 53

You need to recommend an invoice review solution that resolves the issue reported by the finance department. What should you include in the recommendation?

- A. Image Analysis
- **B. Azure Content Understanding in Foundry Tools**
- C. chat completions
- D. Azure Document Intelligence in Foundry Tools

Answer: B

Explanation:

The correct recommendation is Azure Content Understanding in Foundry Tools . The case study states that Contoso's finance department must manually review vendor invoices to verify that invoice details match vendor contract terms, and that the invoices contain tables, logos, and varied layouts that make consistent processing difficult. It also states that the planned solution must evaluate both the visual layout and textual content of the invoices.

Azure Content Understanding is designed for this type of multimodal document-processing workload.

Microsoft describes Content Understanding as a Foundry Tool that processes unstructured and multimodal content, including documents and images, and transforms it into structured output for AI applications. It can use document analyzers to extract text, layout, tables, fields, and relationships from diverse document types.

Chat completions alone would not reliably extract structured invoice fields from complex layouts. Azure Document Intelligence can extract OCR, layout, and tables, but Content Understanding is the better end-to- end Foundry capability for combining visual and textual understanding with structured extraction for downstream verification. Image Analysis focuses on image-level visual features and is insufficient for invoice field and table review. Reference topics: Content Understanding, document analyzers, multimodal extraction, invoice processing, tables, layout, and structured JSON output.

NEW QUESTION # 54

You have a chat app in a Microsoft Foundry project and an Azure AI Search vectorized index.

You need to connect to the index to meet the following requirements:

- * Complex questions must retrieve information from multiple chunks.
- * Multi-turn conversations must influence retrieval planning.
- * Retrievals must run in parallel to reduce latency.

Which retrieval approach should you use?

- **A. agentic Retrieval Augmented Generation (RAG)**
- B. chain of thought
- C. iterative retrieval
- D. classic Retrieval Augmented Generation (RAG)

Answer: A

Explanation:

The correct answer is agentic Retrieval Augmented Generation (RAG) because the requirements describe the agentic retrieval pipeline in Azure AI Search. Agentic retrieval is designed for chat and copilot scenarios where a user's request can be complex, conversational, and dependent on prior turns. Azure AI Search agentic retrieval uses an LLM-assisted planning stage to break a complex request into focused subqueries, allowing the system to retrieve grounding information from multiple chunks rather than relying on a single query path.

Microsoft's Azure AI Search guidance describes agentic retrieval as a multi-query pipeline for complex questions in chat and agent workflows, with subqueries that can include chat history for additional context.

This also satisfies the latency requirement because agentic retrieval runs the generated subqueries in parallel and then merges and reranks the best results for use by the generative model. Classic RAG is simpler and typically sends a single query to search, making it less suitable for multi-hop or conversational retrieval planning. Chain of thought is a reasoning technique, not an Azure AI Search retrieval approach, and iterative retrieval does not specifically provide the built-in query planning, conversation-aware retrieval, and parallel execution described here. Reference topics: Azure AI Search agentic retrieval, RAG with Azure AI Search, knowledge bases, query planning, and generative AI grounding.

NEW QUESTION # 55

You are creating an agent workflow in a Microsoft Foundry project to support natural voice interactions.

The agent must receive continuous audio input, convert the input into text for reasoning, and then return spoken responses to a user.

The workflow must meet the following requirements:

. Support turn-taking dynamics, where the agent begins to generate the speech output before the user finishes speaking.

. Operate with low latency to maintain a conversational experience.

You need to enable both speech to text and text to speech in a real-time agent interaction.

What should you do?

- A. Use speech translation to convert the audio into another language and return the translated text.
- B. Use batch transcription to convert the audio input and return text responses from the agent.
- **C. Use real-time speech to text for incoming audio and text to speech for agent responses.**
- D. Use an embeddings model to encode the audio, and then decode the audio into text and speech.

Answer: C

Explanation:

The correct answer is D. Use real-time speech to text for incoming audio and text to speech for agent responses . The workflow requires continuous audio input, low-latency transcription for reasoning, and spoken output back to the user. Azure Speech in Foundry Tools real-time speech to text is designed for immediate transcription from streaming audio, which satisfies the incoming-audio side of the interaction. Text to speech provides the outbound spoken response path after the agent generates its answer. This pattern aligns with Microsoft's real-time voice-agent architecture. The Voice Live API overview explains that low-latency speech-to-speech systems integrate speech recognition, generative reasoning, and text-to-speech functionality to create natural voice experiences. It also identifies contact centers as a key scenario and highlights low perceived latency for end users. Embeddings do not decode audio into conversational speech. Batch transcription introduces file-oriented delay and is not suitable for turn-taking. Speech translation is only appropriate when translating between languages and does not provide the required reasoning-plus-spoken-response loop. Reference topics: Azure Speech in Foundry Tools, real-time speech to text, text to speech, voice agents, low-latency interaction, and conversational turn-taking.

NEW QUESTION # 56

You have a Microsoft Foundry project that contains an agent.

The knowledge source for the agent is a set of scanned PDF troubleshooting guides stored in Azure Blob Storage. The guide pages contain two-column layouts and tables.

You use Azure Content Understanding in Foundry Tools to process the PDFs.

You plan to ingest the processed content into an index for Retrieval Augmented Generation (RAG) and store extracted fields for downstream automation.

Stakeholders must be able to verify where each extracted field value came from in the original PDF and route low-reliability extractions for manual review.

You need to ensure that the Content Understanding document analyzer output includes a per-field confidence score and source grounding locations within the source document.

What should you do?

- A. Set `enableSegment` to true.
- B. Configure the analyzer to use generative extraction for all fields.
- **C. Enable `estimateFieldSourceAndConfidence`.**
- D. Provide labeled samples.

Answer: C

Explanation:

The correct answer is A. Enable `estimateFieldSourceAndConfidence` . Azure Content Understanding document analyzers support an opt-in confidence and grounding capability for field extraction. Microsoft documentation states that to opt in for confidence and grounding, you set `estimateFieldSourceAndConfidence`

= true in the analyzer configuration, or configure `estimateSourceAndConfidence` = true for specific fields.

This enables each extracted field to include a confidence score and references back to the original document source location.

This directly satisfies both stakeholder requirements: source grounding allows users to verify where the extracted value came from in the scanned PDF, and the confidence score supports downstream automation rules, such as sending low-confidence fields to manual review. Microsoft's analyzer improvement guidance describes confidence scoring as a value between 0 and 1 and grounding as references or citations for extracted outputs to the original document content.

Generative extraction does not guarantee per-field confidence and source grounding. `enableSegment` is used for document

segmentation, not confidence scoring. Labeled samples can improve extraction quality, but they do not by themselves enable confidence and grounding output. Reference topics: Content Understanding document analyzers, field extraction, confidence scoring, grounding, and RAG ingestion.

NEW QUESTION # 57

You are building a web app named App1 that generates responses by using a model deployed to a Microsoft Foundry project named Project1.

Before sending the prompts to the model, App1 must retrieve documents by using Azure AI Search.

You need to integrate Project1 and App1. The solution must meet the following requirements:

- * Multiple client applications must use the same search configuration.
- * A security policy must prevent key-based authentication.
- * Administrative effort must be minimized.

What should you do?

- A. Enable a managed identity for each application and call Azure AI Search directly.
- B. Call Azure AI Search directly from each application by using Microsoft Entra authentication.
- **C. Configure an Azure AI Search connection in Project1 and reference the connection in each application.**
- D. Create a custom HTTP connection in Foundry and manually configure Azure AI Search endpoints per application.

Answer: C

Explanation:

The correct solution is to configure an Azure AI Search connection in Project1 and reference that connection from each application. Microsoft Foundry project connections are intended to centralize external resource configuration for a project. The official Foundry guidance states that when adding a connection, you select the external service, such as Azure AI Search, and choose the authentication method for that resource.

This directly satisfies the requirement for multiple client applications to use the same search configuration instead of duplicating endpoints, indexes, and credentials in each app.

The security requirement is met by configuring the connection with keyless authentication. The Azure AI Search integration guidance specifies that a Foundry project connection requires the search endpoint and either key-based authentication or keyless authentication with Microsoft Entra ID. For keyless authentication, RBAC roles are assigned to the project's managed identity, eliminating hard-coded API keys.

Options A and C use secure identity-based access but force every client application to maintain its own Azure AI Search configuration, increasing administration and violating the shared-configuration requirement. Option B also increases administrative work and does not use the native Azure AI Search connection type. Reference topics: Microsoft Foundry project connections, Azure AI Search grounding, Microsoft Entra ID authentication, managed identities, and RBAC.

NEW QUESTION # 58

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