

Microsoft

Exam Questions AI-103

Developing AI Apps and Agents on Azure



NEW QUESTION 1

- (Topic 1)

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. Azure Document Intelligence in Foundry Tools
- D. Grounding with Bing Search

Answer: A

NEW QUESTION 2

- (Topic 1)

You need to configure Agent1 to answer customer questions about only the Contoso products. The solution must meet the business requirements.

What should you do?

- A. Apply top-p sampling.
- B. Modify the system message instructions.
- C. Add few-shot examples.
- D. Increase the value of the temperature parameter.

Answer: B

NEW QUESTION 3

- (Topic 1)

You need to recommend a solution to assess the responses generated by Agent1 when the agent uses the product information stored in storage1. The solution must meet the technical requirements.

- A. a Retrieval Augmented Generation (RAG) evaluator
- B. a coherence evaluator
- C. a custom guardrail
- D. model fine-tuning

Answer: A

NEW QUESTION 4

- (Topic 2)

Note: This section contains one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem. You must determine whether the solution meets the stated goals.

More than one solution in the set might solve the problem. It is also possible that none of the solutions in the set solve the problem. After you answer a question in this section, you will NOT be able to return. As a result, these questions do not appear on the Review Screen.

You have a multimodal AI generative model that accepts image uploads and uses extracted image text to generate responses.

You discover that users can upload unsafe images and embed hidden instructions into images to manipulate the model.

You need to implement controls to mitigate the risk. Solution: You configure a prompt shield for user prompts. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 5

- (Topic 2)

You have a Microsoft Foundry project that contains a prompt agent used by a customer support web app.

The agent is invoked from a Python service that does NOT run in the Foundry portal.

You need to implement end-to-end tracing to capture latency breakdowns and exceptions across agent runs.

Which two components can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. a Log Analytics workspace
- B. OpenTelemetry
- C. Application Insights
- D. the Azure Monitor Agent
- E. Microsoft Sentinel

Answer: BC

NEW QUESTION 6

- (Topic 2)

You have a Microsoft Foundry project.

You plan to build a customer support solution that contains an agent. The solution must meet the following requirements:

- Provide accurate, context-aware responses grounded in internal product documentation stored in Azure AI Search.
- Require deep, multi-step reasoning across long contexts.
- Generate detailed natural language responses.

Which type of model should you use to power the agent?

- A. a multimodal model
- B. a key phrase extraction model
- C. a small language model (SLM)
- D. a large language model (LLM)

Answer: D

NEW QUESTION 7

- (Topic 2)

Note: This section contains one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem. You must determine whether the solution meets the stated goals.

More than one solution in the set might solve the problem. It is also possible that none of the solutions in the set solve the problem. After you answer a question in this section, you will NOT be able to return. As a result, these questions do not appear on the Review Screen.

You have a Microsoft Foundry project that contains an agent. The agent generates summaries from retrieved policy documents.

Users report that some responses omit required regulatory clauses, even when the clauses are present in the retrieved content.

You need to improve response completeness.

Solution: You add a reflection pass that regenerates the response if the required clauses are missing.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 8

HOTSPOT - (Topic 2)

You have a Microsoft Foundry project that contains an agent named PaymentAgent.

PaymentAgent includes a function tool that issues customer refunds by using an external API.

You are creating a workflow in YAML.

You need to ensure that the workflow pauses for human approval and continues with the refund step only after approval is granted.

How should you complete the workflow definition? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

steps:

- id: propose_refund

type: agent

agent: PaymentAgent

- id: approval

type:

▼

ask_question

basic_chat

data_transformation

- id: execute_refund

type: agent

agent: PaymentAgent

condition:

▼

approval == "approved"

propose_refund.output != null

true

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

steps:

- id: propose_refund

type: agent

agent: PaymentAgent

- id: approval

type:

▼

ask_question

basic_chat

data_transformation

- id: execute_refund

type: agent

agent: PaymentAgent

condition:

▼

approval == "approved"

propose_refund.output != null

true

NEW QUESTION 9

DRAG DROP - (Topic 2)

You have an app that uses Azure AI Custom Vision and a custom trained classifier to identify products in images. You need to add new products to the classifier. The solution must meet the following requirements:

- Minimize how long it takes to add the products.
- Minimize development effort.

Which five actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

⋮

From the Azure Machine Learning studio, open the workspace.

⋮

From the Custom Vision portal, open the project.

⋮

Label the sample images.

⋮

Upload sample images of the new products.

⋮

Publish the model.

⋮

From Vision Studio, open the project.

⋮

Retrain the model.

Answer Area

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Actions

From the Azure Machine Learning studio, open the workspace.

From the Custom Vision portal, open the project.

Label the sample images.

Upload sample images of the new products.

Publish the model.

From Vision Studio, open the project.

Retrain the model.

Answer Area

From Vision Studio, open the project.

Upload sample images of the new products.

Label the sample images.

Retrain the model.

Publish the model.

NEW QUESTION 10

- (Topic 2)

You have an Azure Speech in Foundry Tools resource that hosts a custom speech to text model deployed to a custom endpoint. An agent uses the endpoint to perform real-time speech recognition. You are approaching the expiration date of the custom speech to text model. What is the expected behavior when the model expires?

- A. Speech recognition requests will fall back to the most recent base model for the same locale.
- B. Speech recognition requests will continue to use the expired custom model until the model is removed manually.
- C. Speech recognition requests will return a 4xx error until a new custom model is deployed.
- D. The custom model will be deleted automatically when the model expires.

Answer: A

NEW QUESTION 10

DRAG DROP - (Topic 2)

You have a Microsoft Foundry project that processes procurement documents submitted by suppliers. You need to implement two pipelines by using Azure Content Understanding in Foundry Tools. The solution must meet the following requirements:

- Include a pipeline named Pipeline1 that supports cost-effective, high-volume processing of standalone PDF invoices.
- Include a pipeline named Pipeline2 that supports cross-document validation by using multi-step reasoning and reference data.

How should you configure each pipeline? To answer, drag the appropriate configurations to the correct pipelines. Each configuration may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Configurations

Multi-file task in pro mode

Multi-file task in standard mode

Single-file task in pro mode

Single-file task in standard mode

Answer Area

Pipeline1: Configuration

Pipeline2: Configuration

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Configurations

- ☐ Multi-file task in pro mode
- ☐ Multi-file task in standard mode
- ☐ Single-file task in pro mode
- ☐ Single-file task in standard mode

Answer Area

Pipeline1 ☐ Single-file task in standard mode

Pipeline2 ☐ Multi-file task in pro mode

NEW QUESTION 13

- (Topic 2)

You have an invoice-processing application named App1 that uses Azure Content Understanding in Foundry Tools. You are building a new Content Understanding pipeline named Pipeline1 that must meet the following requirements:

- ? Compare an invoice to its related purchase order.
- ? Validate the invoice against static vendor contract documents.
- ? Return a single structured output that includes discrepancy findings.

You need to configure Pipeline1 and expose the pipeline as a single analyzer endpoint. What should you configure?

- A. A single-file task in standard mode that uses confidence scores enabled for the extracted fields
- B. A multi-file task in pro mode that uses the vendor contract files as reference data
- C. A multi-file task in standard mode that uses the invoice and purchase order as input to the analyzer
- D. A single-file task in standard mode that uses the vendor contract provided as an additional document during analysis

Answer: B

NEW QUESTION 16

- (Topic 2)

You have a Microsoft Foundry project named Project1.

Project1 contains an application that processes PDF vendor invoices.

You need to configure Azure Document Intelligence in Foundry Tools to generate a Markdown output that preserves the sections and table structure of the PDFs.

The solution must minimize development effort. What should you do?

- A. Increase the confidence threshold.
- B. Configure output=figures when you analyze the PDF.
- C. Configure content=markdown when you analyze the document.
- D. Set the output_content_format=ContentForma
- E. MARKDOWN value.

Answer: D

NEW QUESTION 19

- (Topic 2)

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

Answer: D

NEW QUESTION 23

- (Topic 2)

You are building an app that will share user images. You need to configure the app to:

- ? Categorize each image as a photograph or drawing.
- ? Generate a caption for the image.
- ? Minimize development effort.

Which two services should you include?

- A. Image type detection in Azure Vision in Foundry Tools
- B. Object detection in Azure Vision in Foundry Tools
- C. Content tags in Azure Vision in Foundry Tools
- D. Image classification in Azure Custom Vision
- E. Image descriptions in Azure Vision in Foundry Tools

Answer: AE

NEW QUESTION 27

HOTSPOT - (Topic 2)

You have a Microsoft Foundry project that contains an agent.

The agent uses tools to retrieve internal content and call external APIs. The agent is configured to let the model decide when to call the tools.

You need to publish the agent for a compliance workflow. The solution must meet the following requirements:

- Each workflow run must include a retrieval step before generating a response.
- Tool calls must authenticate by using the published agent's own identity.
- Tool access must use an identity isolated from other project resources.
- Tool access must support audit tracing.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Set tool_choice to:

Configure the tool to authenticate by:

Storing API keys in prompts

Using the shared project agent identity

Using a distinct agent identity bound to the client application

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Set tool_choice to:

Configure the tool to authenticate by:

Storing API keys in prompts

Using the shared project agent identity

Using a distinct agent identity bound to the client application

NEW QUESTION 31

- (Topic 2)

You have a Microsoft Foundry project that contains three agents as shown in the following table.

Name	Description
TriageAgent	Classifies incoming customer requests
PolicyAgent	Answers policy questions by searching internal content
ActionAgent	Creates or updates tickets by calling an HTTP API

You need to orchestrate the agents to ensure that the customer requests meet the following requirements:

- Support a deterministic, step-based process that uses conditional branching and shared state across the agents.
- Optionally trigger a ticket action based on the triage result. The solution must minimize development effort.

What should you include in the solution?

- A. separate agent runs coordinated in the application code
- B. a multi-agent group chat session
- C. a workflow
- D. threads and runs without a workflow

Answer: C

NEW QUESTION 34

HOTSPOT - (Topic 2)

You have 100,000 images.

You need to build an app that will perform the following actions:

- Identify road signs in the images and extract the text on the signs.
- Analyze the text to identify well-known locations. The solution must minimize development effort.

Answer Area

Extract the text:

Azure Document Intelligence in Foundry Tools

Azure Language in Foundry Tools

Azure AI Search

Azure Vision in Foundry Tools

Identify well-known locations:

Azure Document Intelligence in Foundry Tools

Azure Language in Foundry Tools

Azure AI Search

Azure Vision in Foundry Tools

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Extract the text:

Azure Document Intelligence in Foundry Tools

Azure Language in Foundry Tools

Azure AI Search

Azure Vision in Foundry Tools

Identify well-known locations:

Azure Document Intelligence in Foundry Tools

Azure Language in Foundry Tools

Azure AI Search

Azure Vision in Foundry Tools

NEW QUESTION 38

- (Topic 2)
You have a Microsoft Foundry project that contains an agent. The agent uses Azure AI Search as the retriever. You plan to ingest PDFs into an Azure AI Search index to ensure that the agent can ground responses in texts in both documents and embedded images. Users require citations that link to the source files. You need to ensure that during indexing, the images are extracted into a structure that can be used as input for the built-in optical character recognition (OCR) skill. Which indexing approach should you use?

- A. a skillset to run the OCR skill directly against the content field of the index
B. the outputFieldMappings parameter to write image data to a searchable field
C. an indexer to extract image data into a normalized_images collection
D. a Shaper skill to restructure the OCR input

Answer: C

NEW QUESTION 41

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