

Actual exam question from Microsoft's AI-100

Question #: 1

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing an application to parse images of business forms and upload the data to a database. The upload process will occur once a week.

You need to recommend which services to use for the application. The solution must minimize infrastructure costs.

Which services should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Parse the images:

	▼
Azure Bot Service	
Azure Cognitive Services	
Azure Media Services	

Upload the data to the database:

	▼
Azure API Apps	
Azure Batch	
Azure Data Factory	
Azure Functions	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 2

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to deploy an Azure Data Factory pipeline that will perform the following:

- ⇒ Move data from on-premises to the cloud.
- ⇒ Consume Azure Cognitive Services APIs.

You need to recommend which technologies the pipeline should use. The solution must minimize custom code.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Move data from on-premises to the cloud:

	▼
Azure-SSIS Integration Runtime	
Common language runtime (CLR)	
Integration Runtime (IR)	
Self-hosted integration runtime	

Consume Cognitive Services APIs:

	▼
Azure API Management	
Azure Logic Apps	
WebJobs in Azure	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 3

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You need to build an interactive website that will accept uploaded images, and then ask a series of predefined questions based on each image.

Which services should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Dynamically ask questions based on an uploaded image:

	▼
Azure Analysis Services	
Azure Bot Service	
Azure Data Factory	
Azure Linguistic Analysis API	

Analyze and classify an image:

	▼
Bing Image Search	
Bing Visual Search	
Computer Vision	
Video Indexer	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 4

Topic #: 1

[\[All AI-100 Questions\]](#)

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You are designing an AI solution that will analyze millions of pictures.

You need to recommend a solution for storing the pictures. The solution must minimize costs.

Which storage solution should you recommend?

- A. an Azure Data Lake store
- B. Azure File Storage
- C. Azure Blob storage
- D. Azure Table storage

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 5

Topic #: 1

[\[All AI-100 Questions\]](#)

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You are configuring data persistence for a Microsoft Bot Framework application. The application requires a structured NoSQL cloud data store.

You need to identify a storage solution for the application. The solution must minimize costs.

What should you identify?

- A. Azure Blob storage
- B. Azure Cosmos DB
- C. Azure HDInsight
- D. Azure Table storage

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 6

Topic #: 1

[\[All AI-100 Questions\]](#)

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You have an Azure Machine Learning model that is deployed to a web service.

You plan to publish the web service by using the name ml.contoso.com.

You need to recommend a solution to ensure that access to the web service is encrypted.

Which three actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Generate a shared access signature (SAS)
- B. Obtain an SSL certificate
- C. Add a deployment slot
- D. Update the web service
- E. Update DNS
- F. Create an Azure Key Vault

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 7

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company recently deployed several hardware devices that contain sensors.

The sensors generate new data on an hourly basis. The data generated is stored on-premises and retained for several years.

During the past two months, the sensors generated 300 GB of data.

You plan to move the data to Azure and then perform advanced analytics on the data.

You need to recommend an Azure storage solution for the data.

Which storage solution should you recommend?

- A. Azure Queue storage
- B. Azure Cosmos DB
- C. Azure Blob storage
- D. Azure SQL Database

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 8

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You plan to design an application that will use data from Azure Data Lake and perform sentiment analysis by using Azure Machine Learning algorithms.

The developers of the application use a mix of Windows- and Linux-based environments. The developers contribute to shared GitHub repositories.

You need all the developers to use the same tool to develop the application.

What is the best tool to use? More than one answer choice may achieve the goal.

- A. Microsoft Visual Studio Code
- B. Azure Notebooks
- C. Azure Machine Learning Studio
- D. Microsoft Visual Studio

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 9

Topic #: 1

[\[All AI-100 Questions\]](#)

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You have several AI applications that use an Azure Kubernetes Service (AKS) cluster. The cluster supports a maximum of 32 nodes.

You discover that occasionally and unpredictably, the application requires more than 32 nodes.

You need to recommend a solution to handle the unpredictable application load.

Which scaling method should you recommend?

- A. horizontal pod autoscaler
- B. cluster autoscaler
- C. manual scaling
- D. Azure Container Instances

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 10

Topic #: 1

[\[All AI-100 Questions\]](#)

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You deploy an infrastructure for a big data workload.

You need to run Azure HDInsight and Microsoft Machine Learning Server. You plan to set the RevoScaleR compute contexts to run rx function calls in parallel.

What are three compute contexts that you can use for Machine Learning Server? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. SQL
- B. Spark
- C. local parallel
- D. HBase
- E. local sequential

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 11

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company has 1,000 AI developers who are responsible for provisioning environments in Azure.

You need to control the type, size, and location of the resources that the developers can provision.

What should you use?

- A. Azure Key Vault
- B. Azure service principals
- C. Azure managed identities
- D. Azure Security Center
- E. Azure Policy

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 12

Topic #: 1

[\[All AI-100 Questions\]](#)

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You are designing an AI solution in Azure that will perform image classification.

You need to identify which processing platform will provide you with the ability to update the logic over time. The solution must have the lowest latency for inferencing without having to batch.

Which compute target should you identify?

- A. graphics processing units (GPUs)
- B. field-programmable gate arrays (FPGAs)
- C. central processing units (CPUs)
- D. application-specific integrated circuits (ASICs)

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 13

Topic #: 1

[\[All AI-100 Questions\]](#)

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You have a solution that runs on a five-node Azure Kubernetes Service (AKS) cluster. The cluster uses an N-series virtual machine.

An Azure Batch AI process runs once a day and rarely on demand.

You need to recommend a solution to maintain the cluster configuration when the cluster is not in use. The solution must not incur any compute costs.

What should you include in the recommendation?

- A. Downscale the cluster to one node
- B. Downscale the cluster to zero nodes
- C. Delete the cluster

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 14

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing an AI solution that will be used to find buildings in aerial pictures.

Users will upload the pictures to an Azure Storage account. A separate JSON document will contain for the pictures.

The solution must meet the following requirements:

- ⇒ Store metadata for the pictures in a data store.
- ⇒ Run a custom vision Azure Machine Learning module to identify the buildings in a picture and the position of the buildings' edges.
- ⇒ Run a custom mathematical module to calculate the dimensions of the buildings in a picture based on the metadata and data from the vision module.

You need to identify which Azure infrastructure services are used for each component of the AI workflow. The solution must execute as quickly as possible.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Location to store the metadata:

	▼
Azure Blob storage	
Azure Cosmos DB	
Azure File Storage	

Virtual machine series to run the vision module:

	▼
A	
F	
NV	

Virtual machine series to run the mathematical module:

	▼
A	
F	
NV	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 15

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company has recently deployed 5,000 Internet-connected sensors for a planned AI solution.

You need to recommend a computing solution to perform a real-time analysis of the data generated by the sensors.

Which computing solution should you recommend?

- A. an Azure HDInsight Storm cluster
- B. Azure Notification Hubs
- C. an Azure HDInsight Hadoop cluster
- D. an Azure HDInsight R cluster

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 16

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to deploy an application that will perform image recognition. The application will store image data in two Azure Blob storage stores named Blob1 and Blob2.

You need to recommend a security solution that meets the following requirements:

- ⇒ Access to Blob1 must be controlled by using a role.
- ⇒ Access to Blob2 must be time-limited and constrained to specific operations.

What should you recommend using to control access to each blob store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Blob1

<input type="checkbox"/>	Azure Active Directory (Azure AD)
<input type="checkbox"/>	Shared Access Signature (SAS)
<input type="checkbox"/>	Shared Key Authentication
<input type="checkbox"/>	Storage Keys
<input type="checkbox"/>	

Blob2

<input type="checkbox"/>	Azure Active Directory (Azure AD)
<input type="checkbox"/>	Shared Access Signature (SAS)
<input type="checkbox"/>	Shared Key Authentication
<input type="checkbox"/>	Storage Keys
<input type="checkbox"/>	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 17

Topic #: 1

[\[All AI-100 Questions\]](#)

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You deploy an application that performs sentiment analysis on the data stored in Azure Cosmos DB.

Recently, you loaded a large amount of data to the database. The data was for a customer named Contoso, Ltd.

You discover that queries for the Contoso data are slow to complete, and the queries slow the entire application.

You need to reduce the amount of time it takes for the queries to complete. The solution must minimize costs.

What is the best way to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Change the request units.
- B. Change the partitioning strategy.
- C. Change the transaction isolation level.
- D. Migrate the data to the Cosmos DB database.

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 18

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You have an AI application that uses keys in Azure Key Vault.

Recently, a key used by the application was deleted accidentally and was unrecoverable.

You need to ensure that if a key is deleted, it is retained in the key vault for 90 days.

Which two features should you configure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. The expiration date on the keys
- B. Soft delete
- C. Purge protection
- D. Auditors
- E. The activation date on the keys

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 19

Topic #: 1

[\[All AI-100 Questions\]](#)

DRAG DROP -

You are designing an AI solution that will analyze media data. The data will be stored in Azure Blob storage.

You need to ensure that the storage account is encrypted by using a key generated by the hardware security module (HSM) of your company.

Which three 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.

Select and Place:

### Actions

Enable encryption that uses customer-managed keys.

Upload a key to an Azure key vault.

Generate an encryption key.

Generate an access key.

Configure a service endpoint for the storage account.

Generate a shared access signature (SAS).

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 20

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You plan to implement a new data warehouse for a planned AI solution.

You have the following information regarding the data warehouse:

- ⇒ The data files will be available in one week.
- ⇒ Most queries that will be executed against the data warehouse will be ad-hoc queries.
- ⇒ The schemas of data files that will be loaded to the data warehouse will change often.
- ⇒ One month after the planned implementation, the data warehouse will contain 15 TB of data.

You need to recommend a database solution to support the planned implementation.

What two solutions should you include in the recommendation? Each correct answer is a complete solution.

NOTE: Each correct selection is worth one point.

- A. Apache Hadoop
- B. Apache Spark
- C. A Microsoft Azure SQL database
- D. An Azure virtual machine that runs Microsoft SQL Server

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 21

Topic #: 1

[\[All AI-100 Questions\]](#)

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You need to build a solution to monitor Twitter. The solution must meet the following requirements:

- ⇒ Send an email message to the marketing department when negative Twitter messages are detected.
- ⇒ Run sentiment analysis on Twitter messages that mention specific tags.
- ⇒ Use the least amount of custom code possible.

Which two services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Azure Databricks
- B. Azure Stream Analytics
- C. Azure Functions
- D. Azure Cognitive Services
- E. Azure Logic Apps

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 22

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You need to configure security for an Azure Machine Learning service used by groups of data scientists. The groups must have access to only their own experiments and must be able to grant permissions to the members of their team.

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

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Grant permissions to:

	▼
A resource group	
A subscription	
A workspace	

Role to assign to manage access:

	▼
Contributor	
Owner	
Reader	

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 23

Topic #: 1

[\[All AI-100 Questions\]](#)

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You plan to build an application that will perform predictive analytics. Users will be able to consume the application data by using Microsoft Power BI or a custom website.

You need to ensure that you can audit application usage.

Which auditing solution should you use?

- A. Azure Storage Analytics
- B. Azure Application Insights
- C. Azure diagnostics logs
- D. Azure Active Directory (Azure AD) reporting

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 24

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You need to build a sentiment analysis solution that will use input data from JSON documents and PDF documents. The JSON documents must be processed in batches and aggregated.

Which storage type should you use for each file type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

JSON documents:

	▼
Azure Blob storage	
Azure Cosmos DB	
Azure Managed Disks	
Azure Table storage	

PDF documents:

	▼
Azure Blob storage	
Azure Cosmos DB	
Azure Managed Disks	
Azure Table storage	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 25

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You are developing a mobile application that will perform optical character recognition (OCR) from photos.

The application will annotate the photos by using metadata, store the photos in Azure Blob storage, and then score the photos by using an Azure Machine Learning model.

What should you use to process the data?

- A. Azure Event Hubs
- B. Azure Functions
- C. Azure Stream Analytics
- D. Azure Batch

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 26

Topic #: 1

[\[All AI-100 Questions\]](#)

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You create an Azure Cognitive Services resource.

A data scientist needs to make API calls to the Cognitive Services resource.

Which two values should you provide to the data scientist? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Endpoint URL
- B. Resource name
- C. Access key
- D. Resource group name
- E. Subscription ID

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 27

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You plan to deploy an AI solution that tracks the behavior of 10 custom mobile apps. Each mobile app has several thousand users.

You need to recommend a solution for real-time data ingestion for the data originating from the mobile app users.

Which Microsoft Azure service should you include in the recommendation?

- A. Azure Event Hubs
- B. Azure Service Bus queries
- C. Azure Service Bus topics and subscriptions
- D. Apache Storm on Azure HDInsight

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 28

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You plan to deploy Azure IoT Edge devices that will each store more than 10,000 images locally and classify the images by using a Custom Vision Service classifier. Each image is approximately 5 MB.

You need to ensure that the images persist on the devices for 14 days.

What should you use?

- A. The device cache
- B. Azure Blob storage on the IoT Edge devices
- C. Azure Stream Analytics on the IoT Esge devices
- D. Microsoft SQL Server on the IoT Edge devices

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 29

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company is building custom models that integrate into microservices architecture on Azure Kubernetes Services (AKS).

The model is built by using Python and published to AKS.

You need to update the model and enable Azure Application Insights for the model.

What should you use?

- A. the Azure CLI
- B. MLNET Model Builder
- C. the Azure Machine Learning SDK
- D. the Azure portal

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 30

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You are designing an AI solution that will analyze millions of pictures by using Azure HDInsight Hadoop cluster.

You need to recommend a solution for storing the pictures. The solution must minimize costs.

Which storage solution should you recommend?

- A. Azure Table storage
- B. Azure File Storage
- C. Azure Data Lake Storage Gen2
- D. Azure Data Lake Storage Gen1

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 31

Topic #: 1

[\[All AI-100 Questions\]](#)

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You deploy an application that performs sentiment analysis on the data stored in Azure Cosmos DB. Recently, you loaded a large amount of data to the database. The data was for a customer named Contoso, Ltd. You discover that queries for the Contoso data are slow to complete, and the queries slow the entire application. You need to reduce the amount of time it takes for the queries to complete. The solution must minimize costs. What should you do? More than one answer choice may achieve the goal. (Choose two.)

- A. Change the request units.
- B. Change the partitioning strategy.
- C. Change the transaction isolation level.
- D. Migrate the data to the Cosmos DB database.

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 32

Topic #: 1

[\[All AI-100 Questions\]](#)

---

Your company has several AI solutions and bots.

You need to implement a solution to monitor the utilization of the bots. The solution must ensure that analysts at the company can generate dashboards to review the utilization.

What should you include in the solution?

- A. Azure Application Insights
- B. Azure Data Explorer
- C. Azure Logic Apps
- D. Azure Monitor

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 33

Topic #: 1

[\[All AI-100 Questions\]](#)

---

Your plan to design a bot that will be hosted by using Azure Bot Service.

Your company identifies the following compliance requirements for the bot:

- ⇒ Payment Card Industry Data Security Standards (PCI DSS)
- ⇒ General Data Protection Regulation (GDPR)
- ⇒ ISO 27001

You need to identify which compliance requirements are met by hosting the bot in the bot service.

What should you identify?

- A. PCI DSS only
- B. PCI DSS, ISO 27001, and GDPR
- C. ISO 27001 only
- D. GDPR only

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 34

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to use Azure Cognitive Services to provide the development team at your company with the ability to create intelligent apps without having direct AI or data science skills.

The company identifies the following requirements for the planned Cognitive Services deployment:

- ⇒ Provide support for the following languages: English, Portuguese, and German.
- ⇒ Perform text analytics to derive a sentiment score.

Which Cognitive Service service should you deploy for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Provide support for the following languages:  
English, Portuguese, and German:

	▼
Text Analytics	
Search services	
Speech services	

Perform text analytics to derive a sentiment  
score:

	▼
Speech APIs	
Decision APIs	
Language APIs	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 35

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to deploy the Text Analytics and Computer Vision services. The Azure Cognitive Services will be deployed to the West US and East Europe Azure regions.

You need to identify the minimum number of service endpoints and API keys required for the planned deployment.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Service endpoints:

	▼
1	
2	
4	

API keys:

	▼
1	
2	
4	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 36

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company plans to create a mobile app that will be used by employees to query the employee handbook.

You need to ensure that the employees can query the handbook by typing or by using speech.

Which core component should you use for the app?

- A. Language Understanding (LUIS)
- B. QnA Maker
- C. Text Analytics
- D. Azure Search

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 37

Topic #: 1

[\[All AI-100 Questions\]](#)

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You have an existing Language Understanding (LUIS) model for an internal bot.

You need to recommend a solution to add a meeting reminder functionality to the bot by using a prebuilt model. The solution must minimize the size of the model.

Which component of LUIS should you recommend?

- A. domain
- B. intents
- C. entities

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 38

Topic #: 1

[\[All AI-100 Questions\]](#)

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You have an on-premises repository that contains 5,000 videos. The videos feature demonstrations of the products sold by your company.

The company's customers plan to search the videos by using the name of the product demonstrated in each video.

You need to build a custom search tool for the customers.

What should you do first?

- A. Deploy an Azure Media Services resource.
- B. Create an Azure Storage account and a blob container.
- C. Create an Azure Search resource.
- D. Deploy a Custom Vision API service.

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 39

Topic #: 1

[\[All AI-100 Questions\]](#)

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Your company manages a sports team.

The company sets up a video booth to record messages for the team.

Before replaying the messages on a video screen, you need to generate captions for the messages and check the sentiment of the video to ensure that only positive messages are played.

Which Azure Cognitive Services service should you use?

- A. Language Understanding (LUIS)
- B. Speaker Recognition
- C. Custom Vision
- D. Video Indexer

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 40

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to build an app that will provide users with the ability to dictate messages and convert the messages into text.

You need to recommend a solution to meet the following requirements for the app:

- ⇒ Must be able to transcribe streaming dictated messages that are longer than 15 seconds.
- ⇒ Must be able to upload existing recordings to Azure Blob storage to be transcribed later.

Which solution should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Must be able to transcribe streaming dictated messages that are longer than 15 seconds:

	▼
The Speech SDK	
The Speech to Text API	
The Batch Transcription API	

Must be able to upload existing recordings to Blob storage to be transcribed later:

	▼
The Speech SDK	
The Speech to Text API	
The Batch Transcription API	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 41

Topic #: 1

[\[All AI-100 Questions\]](#)

---

Your company plans to monitor twitter hashtags, and then to build a graph of connected people and places that contains the associated sentiment.

The monitored hashtags use several languages, but the graph will be displayed in English.

You need to recommend the required Azure Cognitive Services endpoints for the planned graph.

Which Cognitive Services endpoints should you recommend?

- A. Language Detection, Content Moderator, and Key Phrase Extraction
- B. Translator Text, Content Moderator, and Key Phrase Extraction
- C. Language Detection, Sentiment Analysis, and Key Phrase Extraction
- D. Translator Text, Sentiment Analysis, and Named Entity Recognition

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 42

Topic #: 1

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to create an intelligent bot to handle internal user chats to the help desk of your company. The bot has the following requirements:

⇒ Must be able to interpret what a user means.

⇒ Must be able to perform multiple tasks for a user.

Must be able to answer questions from an existing knowledge base.

•

You need to recommend which solutions meet the requirements.

Which solution should you recommend for each requirement? To answer, drag the appropriate solutions to the correct requirements. Each solution 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.

Hot Area:

### Answer Area

Must be able to interpret what a user means:

	▼
The Text Analytics API	
The QnA Maker service	
The Speech to Text API	
The Dispatch tool library	
The Language Understanding (LUIS) service	

Must be able to perform multiple tasks for a user:

	▼
The Text Analytics API	
The QnA Maker service	
The Speech to Text API	
The Dispatch tool library	
The Language Understanding (LUIS) service	

Must be able to answer questions from an existing knowledge base:

	▼
The Text Analytics API	
The QnA Maker service	
The Speech to Text API	
The Dispatch tool library	
The Language Understanding (LUIS) service	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 43

Topic #: 1

[\[All AI-100 Questions\]](#)

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You are developing a mobile application that will perform optical character recognition (OCR) from photos.

The application will annotate the photos by using metadata, store the photos in Azure Blob storage, and then score the photos by using an Azure Machine Learning model.

What should you use to process the data?

- A. Azure Event Hubs
- B. Azure Functions
- C. Azure Stream Analytics
- D. Azure Logic Apps

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 44

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You are designing an AI solution that will analyze millions of pictures by using Azure HDInsight Hadoop cluster.

You need to recommend a solution for storing the pictures. The solution must minimize costs.

Which storage solution should you recommend?

- A. Azure Table storage
- B. Azure File Storage
- C. Azure Data Lake Storage Gen2
- D. Azure Databricks File System

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 45

Topic #: 1

[\[All AI-100 Questions\]](#)

---

You are designing a real-time speech-to-text AI feature for an Android mobile app. The feature will stream data to the Speech service.

You need to recommend which audio format to use to serialize the audio. The solution must minimize the amount of data transferred to the cloud.

What should you recommend?

A. MP3

B. WAV/PCM

C. MP4a

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 46

Topic #: 1

[\[All AI-100 Questions\]](#)

DRAG DROP -

You are developing an application for photo classification. Users of the application will include minors. The users will upload photos to the application. The photos will be stored for model training purposes. All the photos must be considered appropriate for minors.

You need to recommend an architecture for the application.

Which Azure services should you recommend using in the architecture? To answer, drag the appropriate services to the correct targets. Each service 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.

Select and Place:

### Services

Azure App Service

Azure Content Moderator

Azure Logic Apps

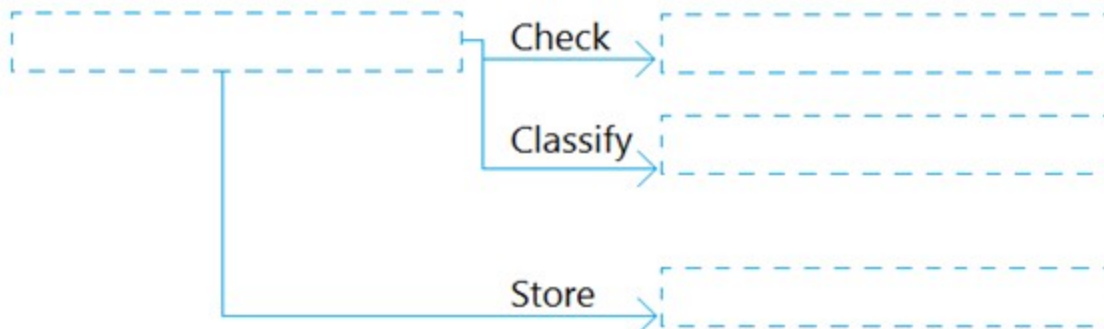
Azure Custom Vision API

Azure Disk Storage

Azure Sentinel

Azure Blob Storage

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 47

Topic #: 1

[\[All AI-100 Questions\]](#)

---

Your company creates a popular mobile game.

The company tracks usage patterns of the game.

You need to provide special offers to users when there is a significant change in the usage patterns.

Which Azure Cognitive Services service should you use?

- A. Form Recognizer
- B. Bing Autosuggest
- C. Text Analytics
- D. Anomaly Detector

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 1

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing a solution that will analyze bank transactions in real time. The transactions will be evaluated by using an algorithm and classified into one of five groups. The transaction data will be enriched with information taken from Azure SQL Database before the transactions are sent to the classification process. The enrichment process will require custom code. Data from different banks will require different stored procedures.

You need to develop a pipeline for the solution.

Which components should you use for data ingestion and data preparation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Data ingestion:

	▼
<b>Azure Event Hub</b>	
<b>Azure IoT Hub</b>	
<b>Azure Relay</b>	

Data preparation:

	▼
<b>An AI model</b>	
<b>Azure Functions</b>	
<b>Azure Stream Analytics</b>	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 2

Topic #: 2

[\[All AI-100 Questions\]](#)

DRAG DROP -

You are designing an Azure Batch AI solution that will be used to train many different Azure Machine Learning models. The solution will perform the following:

- ⇒ Image recognition
- ⇒ Deep learning that uses convolutional neural networks.

You need to select a compute infrastructure for each model. The solution must minimize the processing time.

What should you use for each model? To answer, drag the appropriate compute infrastructures to the correct models. Each compute infrastructure 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.

Select and Place:

### Answer Area

#### Compute Infrastructures

Compute optimized virtual machines

Memory optimized virtual machines

GPU optimized virtual machines

Image recognition:

Compute Infrastructure

Deep learning that uses convolutional neural networks:

Compute Infrastructure

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 3

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You design an AI workflow that combines data from multiple data sources for analysis. The data sources are composed of:

- ⇒ JSON files uploaded to an Azure Storage account
- ⇒ On-premises Oracle databases
- ⇒ Azure SQL databases

Which service should you use to ingest the data?

- A. Azure Data Factory
- B. Azure SQL Data Warehouse
- C. Azure Data Lake Storage
- D. Azure Databricks

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 4

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing a solution that will ingest temperature data from IoT devices, calculate the average temperature, and then take action based on the aggregated data.

The solution must meet the following requirements:

- ⇒ Minimize the amount of uploaded data.
- ⇒ Take action based on the aggregated data as quickly as possible.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Service to use:

	▼
Apache Hive	
Azure Data Factory	
Azure Functions	
Azure Stream Analytics	

Location to deploy the job:

	▼
A Web Job in Azure	
An Azure IoT Edge device	
Azure Event Hubs	
Azure Notification Hubs	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 5

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an app named App1 that uses the Face API.

App1 contains several PersonGroup objects.

You discover that a PersonGroup object for an individual named Ben Smith cannot accept additional entries. The PersonGroup object for Ben Smith contains 10,000 entries.

You need to ensure that additional entries can be added to the PersonGroup object for Ben Smith. The solution must ensure that Ben Smith can be identified by all the entries.

Solution: You modify the custom time interval for the training phase of App1.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 6

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You need to ensure that additional entries can be added to the PersonGroup object for Ben Smith. The solution must ensure that Ben Smith can be identified by all the entries.

Solution: You create a second PersonGroup object for Ben Smith.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 7

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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App1 contains several PersonGroup objects.

You discover that a PersonGroup object for an individual named Ben Smith cannot accept additional entries. The PersonGroup object for Ben Smith contains 10,000 entries.

You need to ensure that additional entries can be added to the PersonGroup object for Ben Smith. The solution must ensure that Ben Smith can be identified by all the entries.

Solution: You migrate all the entries to the LargePersonGroup object for Ben Smith.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 8

Topic #: 2

[\[All AI-100 Questions\]](#)

---

Your company plans to develop a mobile app to provide meeting transcripts by using speech-to-text. Audio from the meetings will be streamed to provide real-time transcription.

You need to recommend which task each meeting participant must perform to ensure that the transcripts of the meetings can identify all participants.

Which task should you recommend?

- A. Record the meeting as an MP4.
- B. Create a voice signature.
- C. Sign up for Azure Speech Services.
- D. Sign up as a guest in Azure Active Directory (Azure AD)

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 9

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You need to create a prototype of a bot to demonstrate a user performing a task. The demonstration will use the Bot Framework Emulator.

Which botbuilder CLI tool should you use to create the prototype?

- A. Chatdown
- B. QnAMaker
- C. Dispatch
- D. LuDown

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 10

Topic #: 2

[\[All AI-100 Questions\]](#)

DRAG DROP -

You need to create a bot to meet the following requirements:

- ⇒ The bot must support multiple bot channels including Direct Line.
- ⇒ Users must be able to sign in to the bot by using a Gmail user account and save activities and preferences.

Which four 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

### Actions

From the Azure portal, create a client application.

From the Azure portal, set Guest users permissions are limited to **No**.

From the Azure portal, create an Azure Active Directory (Azure AD) B2C service.

From the Azure portal, enable Azure Multi-Factor Authentication (MFA).

From the Azure portal, configure an identity provider.

From the bot code, add the connection settings and OAuthPrompt.

### Answer Area



Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 11

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You have an app that uses the Language Understanding (LUIS) API as shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

To publish the app, you must first **[answer choice]** the app.

▼

test

train

create utterances in

You can add utterances to the model by **[answer choice]**.

▼

creating intents

testing the model

training the model

The app was **[answer choice]**.

▼

never published

already published

published but never accessed by users

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 12

Topic #: 2

[\[All AI-100 Questions\]](#)

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You are designing an AI solution that will provide feedback to teachers who train students over the Internet. The students will be in classrooms located in remote areas. The solution will capture video and audio data of the students in the classrooms.

You need to recommend Azure Cognitive Services for the AI solution to meet the following requirements:

- ⇒ Alert teachers if a student facial expression indicates the student is angry or scared.
- ⇒ Identify each student in the classrooms for attendance purposes.
- ⇒ Allow the teachers to log voice conversations as text.

Which Cognitive Services should you recommend?

- A. Face API and Text Analytics
- B. Computer Vision and Text Analytics
- C. QnA Maker and Computer Vision
- D. Speech to Text and Face API

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 13

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

Your company plans to build an app that will perform the following tasks:

Match a user's picture to a picture of a celebrity.

•

⇒ Tag a scene from a movie, and then search for movie scenes by using the tags.

You need to recommend which Azure Cognitive Services APIs must be used to perform the tasks.

Which Cognitive Services API should you recommend for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Match a user's picture to a picture of a celebrity:

	▼
Bing Video Search	
Video Indexer	
Custom Vision	
Computer Vision	

Tag a scene from a movie, and then search for movie scenes by using the tags:

	▼
Bing Video Search	
Video Indexer	
Custom Vision	
Computer Vision	

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 14

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You need to evaluate trends in fuel prices during a period of 10 years. The solution must identify unusual fluctuations in prices and produce visual representations. Which Azure Cognitive Services API should you use?

- A. Anomaly Detector
- B. Computer Vision
- C. Text Analytics
- D. Bing Autosuggest

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 15

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

Your company plans to deploy several apps that will use Azure Cognitive Services APIs.

You need to recommend which Cognitive Services APIs must be used to meet the following requirements:

- ⇒ Must be able to identify inappropriate text and profanities in multiple languages.
- ⇒ Must be able to interpret user requests sent by using text input.
- ⇒ Must be able to identify named entities in text.

Which API should you recommend for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Must be able to identify inappropriate text and profanities in multiple languages:

	▼
Text Analytics	
Content Moderator	
Bing Visual Search	
Language Understanding (LUIS)	

Must be able to interpret user requests sent by using text input:

	▼
Text Analytics	
Content Moderator	
Bing Visual Search	
Language Understanding (LUIS)	

Must be able to identify named entities in text:

	▼
Text Analytics	
Content Moderator	
Bing Visual Search	
Language Understanding (LUIS)	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 16

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to perform analytics of the medical records of patients located around the world.

You need to recommend a solution that avoids storing and processing data in the cloud.

What should you include in the recommendation?

- A. Azure Machine Learning Studio
- B. the Text Analytics API that has container support
- C. Azure Machine Learning services
- D. an Apache Spark cluster that uses MMLSpark

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 17

Topic #: 2

[\[All AI-100 Questions\]](#)

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Your company has an on-premises datacenter.

You plan to publish an app that will recognize a set of individuals by using the Face API. The model is trained.

You need to ensure that all images are processed in the on-premises datacenter.

What should you deploy to host the Face API?

- A. a Docker container
- B. Azure File Sync
- C. Azure Application Gateway
- D. Azure Data Box Edge

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 18

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You have a Bing Search service that is used to query a product catalog.

You need to identify the following information:

- ⇒ The locale of the query
- ⇒ The top 50 query strings
- ⇒ The number of calls to the service
- ⇒ The top geographical regions of the service

What should you implement?

- A. Bing Statistics
- B. Azure API Management (APIM)
- C. Azure Monitor
- D. Azure Application Insights

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 19

Topic #: 2

[\[All AI-100 Questions\]](#)

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You have a Face API solution that updates in real time. A pilot of the solution runs successfully on a small dataset.

When you attempt to use the solution on a larger dataset that continually changes, the performance degrades, slowing how long it takes to recognize existing faces.

You need to recommend changes to reduce the time it takes to recognize existing faces without increasing costs.

What should you recommend?

- A. Change the solution to use the Computer Vision API instead of the Face API.
- B. Separate training into an independent pipeline and schedule the pipeline to run daily.
- C. Change the solution to use the Bing Image Search API instead of the Face API.
- D. Distribute the face recognition inference process across many Azure Cognitive Services instances.

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 20

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You plan to create a bot that will support five languages. The bot will be used by users located in three different countries. The bot will answer common customer questions. The bot will use Language Understanding (LUIS) to identify which skill to use and to detect the language of the customer.

You need to identify the minimum number of Azure resources that must be created for the planned bot.

How many QnA Maker, LUIS and Text Analytics instances should you create? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

QnA Maker:  ▼

LUIS:  ▼

Text Analytics:  ▼

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 21

Topic #: 2

[\[All AI-100 Questions\]](#)

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You have a database that contains sales data.

You plan to process the sales data by using two data streams named Stream1 and Stream2. Stream1 will be used for purchase order data. Stream2 will be used for reference data.

The reference data is stored in CSV files.

You need to recommend an ingestion solution for each data stream.

What two solutions should you recommend? Each correct answer is a complete solution.

NOTE: Each correct selection is worth one point.

- A. an Azure event hub for Stream1 and Azure Blob storage for Stream2
- B. Azure Blob storage for Stream1 and Stream2
- C. an Azure event hub for Stream1 and Stream2
- D. Azure Blob storage for Stream1 and Azure Cosmos DB for Stream2
- E. Azure Cosmos DB for Stream1 and an Azure event hub for Stream2

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 22

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an application that uses an Azure Kubernetes Service (AKS) cluster.

You are troubleshooting a node issue.

You need to connect to an AKS node by using SSH.

Solution: You create a managed identity for AKS, and then you create an SSH connection.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 23

Topic #: 2

[\[All AI-100 Questions\]](#)

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After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an application that uses an Azure Kubernetes Service (AKS) cluster.

You are troubleshooting a node issue.

You need to connect to an AKS node by using SSH.

Solution: You change the permissions of the AKS resource group, and then you create an SSH connection.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 24

Topic #: 2

[\[All AI-100 Questions\]](#)

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After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an application that uses an Azure Kubernetes Service (AKS) cluster.

You are troubleshooting a node issue.

You need to connect to an AKS node by using SSH.

Solution: You add an SSH key to the node, and then you create an SSH connection.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 25

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are developing a Computer Vision application.

You plan to use a workflow that will load data from an on-premises database to Azure Blob storage, and then connect to an Azure Machine Learning service.

What should you use to orchestrate the workflow?

- A. Azure Kubernetes Service (AKS)
- B. Azure Pipelines
- C. Azure Data Factory
- D. Azure Container Instances

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 26

Topic #: 2

[\[All AI-100 Questions\]](#)

DRAG DROP -

You are designing an AI solution that will use IoT devices to gather data from conference attendees, and then later analyze the data. The IoT devices will connect to an Azure IoT hub.

You need to design a solution to anonymize the data before the data is sent to the IoT hub.

Which three 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.

Select and Place:

### Actions

Add the job to the IoT devices in IoT hub

Create an Azure Stream Analytics Edge job

Create an Azure Stream Analytics Cloud job

Create a storage container

Create a storage queue

### Answer Area



Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 27

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing a solution that will ingest data from an Azure IoT Edge device, preprocess the data in Azure Machine Learning, and then move the data to Azure HDInsight for further processing.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Machine Learning module to use to move the data into HDInsight:

	▼
Export Data	
Load Trained Model	
Partition and Sample	
Unpack Zipped Datasets	

Query type to use:

	▼
Apache Hive	
Apache Spark	
C#	
Transact-SQL	

Output the data to:

	▼
Azure Cosmos DB	
Azure Data Lake	
Azure Table storage	
HDFS	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 28

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to create an IoT solution that performs the following tasks:

- ⇒ Identifies hazards
- ⇒ Provides a real-time online dashboard
- ⇒ Takes images of an area every minute
- ⇒ Counts the number of people in an area every minute

Solution: You implement Azure Cognitive Services containers on the IoT devices, and then you configure results to be sent to an Azure IoT hub. You configure Microsoft Power BI to connect to the IoT hub by using Azure Stream Analytics.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 29

Topic #: 2

[\[All AI-100 Questions\]](#)

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You need to create an IoT solution that performs the following tasks:

- ⇒ Identifies hazards
- ⇒ Provides a real-time online dashboard
- ⇒ Takes images of an area every minute
- ⇒ Counts the number of people in an area every minute

Solution: You configure the IoT devices to send the images to an Azure IoT hub, and then you configure an Azure Functions call to Azure Cognitive Services that sends the results to an Azure event hub. You configure Microsoft Power BI to connect to the event hub by using Azure Stream Analytics.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 30

Topic #: 2

[\[All AI-100 Questions\]](#)

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You need to create an IoT solution that performs the following tasks:

- ⇒ Identifies hazards
- ⇒ Provides a real-time online dashboard
- ⇒ Takes images of an area every minute
- ⇒ Counts the number of people in an area every minute

Solution: You configure the IoT devices to send the images to an Azure IoT hub, and then you configure an Azure Automation call to Azure Cognitive Services that sends the results to an Azure event hub. You configure Microsoft Power BI to connect to the event hub by using Azure Stream Analytics.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 31

Topic #: 2

[\[All AI-100 Questions\]](#)

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You plan to deploy Azure IoT Edge devices. Each device will store more than 10,000 images locally. Each image is approximately 5 MB.

You need to ensure that the images persist on the devices for 14 days.

What should you use?

- A. Azure Stream Analytics on the IoT Edge devices
- B. Azure Database for Postgres SQL
- C. Azure Blob storage on the IoT Edge devices
- D. Microsoft SQL Server on the IoT Edge devices

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 32

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You have an Azure Machine Learning experiment.

You need to validate that the experiment meets GDPR regulation requirements and stores documentation about the experiment.

What should you use?

- A. Compliance Manager
- B. an Azure Log Analytics workspace
- C. Azure Table storage
- D. Azure Security Center

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 33

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are designing a solution that will integrate the Bing Web Search API and will return a JSON response. The development team at your company uses C# as its primary development language.

You provide developers with the Bing endpoint.

Which additional component do the developers need to prepare and to retrieve data by using an API call?

- A. the subscription ID
- B. the API key
- C. a query
- D. the resource group ID

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 34

Topic #: 2

[\[All AI-100 Questions\]](#)

DRAG DROP -

You need to build an AI solution that will be shared between several developers and customers.

You plan to write code, host code, and document the runtime all within a single user experience.

You build the environment to host the solution.

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

Select and Place:

### Actions

Create stream inputs and outputs

Create a new experiment

Build an experiment

Build a notebook

Create an Azure Machine Learning Studio workspace

Create a new notebook

Implement Transact-SQL for the stream query

Create an Azure Stream Analytics service

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 35

Topic #: 2

[\[All AI-100 Questions\]](#)

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Your company has a data team of Transact-SQL experts.

You plan to ingest data from multiple sources into Azure Event Hubs.

You need to recommend which technology the data team should use to move and query data from Event Hubs to Azure Storage. The solution must leverage the data team's existing skills.

What is the best recommendation to achieve the goal? More than one answer choice may achieve the goal.

- A. Azure Notification Hubs
- B. Azure Event Grid
- C. Apache Kafka streams
- D. Azure Stream Analytics

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 36

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are designing a Computer Vision AI application.

You need to recommend a deployment solution for the application. The solution must ensure that costs scale linearly without any upfront costs.

What should you recommend?

- A. a containerized Computer Vision API on Azure Kubernetes Service (AKS) that has autoscaling configured
- B. the Computer Vision API as a single resource
- C. an Azure Container Service
- D. a containerized Computer Vision API on Azure Kubernetes Service (AKS) that has virtual nodes configured

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 37

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are implementing the Language Understanding (LUIS) API and are building a GDPR-compliant bot by using the Bot Framework.

You need to recommend a solution to ensure that the implementation of LUIS is GDPR-compliant.

What should you include in the recommendation?

- A. Enable active learning for the bot.
- B. Configure the bot to send the active learning preference of a user.
- C. Delete the utterances from Review endpoint utterances.

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 38

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You need to build a reputation monitoring solution that reviews Twitter activity about your company. The solution must identify negative tweets and tweets that contain inappropriate images.

You plan to use Azure Logic Apps to build the solution.

Which two additional Azure services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Computer Vision
- B. Azure Blueprint
- C. Content Moderator
- D. Text Analytics
- E. Azure Machine Learning Service
- F. Form Recognizer

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 39

Topic #: 2

[\[All AI-100 Questions\]](#)

---

Your company uses an internal blog to share news with employees.

You use the Translator Text API to translate the text in the blog from English to several other languages used by the employees.

Several employees report that the translations are often inaccurate.

You need to improve the accuracy of the translations.

What should you add to the translation solution?

- A. Text Analytics
- B. Language Understanding (LUIS)
- C. Azure Media Services
- D. Custom Translator

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 40

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to develop a bot that tracks communications between the employees at your company.

You need to identify which channel the bot must use to monitor reactions to messages by employees.

What should you identify?

- A. Microsoft Cortana
- B. Microsoft Outlook
- C. Microsoft Teams

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 41

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to implement a bot that will require user authentication.

You need to recommend a secure solution that provides encryption for the authentication of the bot.

Which two security solutions should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. NTLM
- B. JSON Web Token (JWT)
- C. API keys
- D. smart cards
- E. SSL/TLS

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 42

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are developing an application that will perform clickstream analysis. The application will ingest and analyze millions of messages in the real time.

You need to ensure that communication between the application and devices is bidirectional.

What should you use for data ingestion and stream processing? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Data ingestion:

	▼
Azure Event Hubs	
Azure IoT Hub	
Azure Queue storage	

Stream processing:

	▼
Azure HDInsight with Apache HBase	
Azure HDInsight with Apache Storm	
Azure HDInsight with Azure Machine Learning service	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 43

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing an Azure infrastructure to support an Azure Machine Learning solution that will have multiple phases. The solution must meet the following requirements:

- ⇒ Securely query an on-premises database once a week to update product lists.
- ⇒ Access the data without using a gateway.
- ⇒ Orchestrate the separate phases.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

To connect to the on-premises data:

	▼
A point-to-site VPN connection	
A site-to-site VPN connection	
Azure App Service Hybrid Connections	

To orchestrate the phases:

	▼
A Machine Learning experiment	
Azure Machine Learning Studio	
Machine Learning pipelines	

To control the orchestration:

	▼
Azure Automation	
Azure Databricks	
Azure Notebooks	

Show Suggested Answer

Actual exam question from Microsoft's AI-100

Question #: 44

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to design a solution for an AI implementation that uses data from IoT devices.

You need to recommend a data storage solution for the IoT devices that meets the following requirements:

- ⇒ Allow data to be queried in real-time as it streams into the solution.
- ⇒ Provide the lowest amount of latency for loading data into the solution.

What should you include in the recommendation?

- A. a Microsoft Azure Table Storage solution
- B. a Microsoft Azure HDInsight R Server cluster
- C. a Microsoft Azure HDInsight Hadoop cluster
- D. a Microsoft Azure SQL database that has In-Memory OLTP enabled

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 45

Topic #: 2

[\[All AI-100 Questions\]](#)

---

Your company has factories in 10 countries. Each factory contains several thousand IoT devices.

The devices present status and trending data on a dashboard.

You need to ingest the data from the IoT devices into a data warehouse.

Which two Microsoft Azure technologies should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Azure Stream Analytics
- B. Azure Data Factory
- C. an Azure HDInsight cluster
- D. Azure Batch
- E. Azure Data Lake

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 46

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to deploy a bot that will use the following Azure Cognitive Services:

- ⇒ Language Understanding (LUIS)
- ⇒ Text Analytics

Your company's compliance policy states that all data used by the bot must be stored in the on-premises network.

You need to recommend a compute solution to support the planned bot.

What should you include in the recommendation?

- A. an Azure Databricks cluster
- B. a Docker container
- C. Microsoft Machine Learning Server
- D. the Azure Machine Learning service

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 47

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

Your company is building a cinema chatbot by using the Bot Framework and Language Understanding (LUIS).

You are designing of the intents and the entities for LUIS.

The following are utterances that customers might provide:

- ⇒ Which movies are playing on December 8?
- ⇒ What time is the performance of Movie1?
- ⇒ I would like to purchase two adult tickets in the balcony section for Movie2.

You need to identify which entity types to use. The solution must minimize development effort.

Which entry type should you use for each entity? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

December 8:

	▼
Composite	
Simple	
Prebuilt	

Movie1:

	▼
Composite	
Simple	
Prebuilt	

Two adult tickets in the balcony section:

	▼
Composite	
Simple	
Prebuilt	

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 48

Topic #: 2

[\[All AI-100 Questions\]](#)

---

Your company uses several bots. The bots use Azure Bot Service.

Several users report that some of the bots fail to return the expected results.

You plan to view the service health of the bot service.

You need to request the appropriate role to access the service health of the bot service. The solution must use the principle of least privilege.

Which role should you request?

- A. The Contributor role on the Azure subscription
- B. The Reader role on the bot service
- C. The Owner role on the bot service
- D. The Reader role on the Azure subscription

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 49

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You build an internal application that uses the Computer Vision API.

You need to ensure that only specific employees can access the application.

What should you include in the solution?

- A. a single-service subscription key
- B. user principals in Azure Active Directory (Azure AD)
- C. service principals in Azure Active Directory (Azure AD)
- D. a multi-service subscription key

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 50

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You plan to deploy two AI applications named AI1 and AI2. The data for the applications will be stored in a relational database.

You need to ensure that the users of AI1 and AI2 can see only data in each user's respective geographic region. The solution must be enforced at the database level by using row-level security.

Which database solution should you use to store the application data?

- A. Microsoft SQL Server on a Microsoft Azure virtual machine
- B. Microsoft Azure Database for MySQL
- C. Microsoft Azure Data Lake Store
- D. Microsoft Azure Cosmos DB

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 51

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are designing an AI workflow that will aggregate data stored in Azure as JSON documents.

You expect to store more than 2 TB of new data daily.

You need to choose the data storage service for the data. The solution must minimize costs.

Which data storage service should you choose?

- A. Azure Manage Disks
- B. Azure Blob Storage
- C. Azure File Storage
- D. Azure Data Lake Storage

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 52

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an application that uses an Azure Kubernetes Service (AKS) cluster.

You are troubleshooting a node issue.

You need to connect to an AKS node by using SSH.

Solution: You run the kubectl command, and then you create an SSH connection.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 53

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an app named App1 that uses the Face API.

App1 contains several PersonGroup objects.

You discover that a PersonGroup object for an individual named Ben Smith cannot accept additional entries. The PersonGroup object for Ben Smith contains 10,000 entries.

You need to ensure that additional entries can be added to the PersonGroup object for Ben Smith. The solution must ensure that Ben Smith can be identified by all the entries.

Solution: You delete 1,000 entries from the PersonGroup object for Ben Smith.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 54

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure SQL database, an Azure Data Lake Storage Gen 2 account, and an API developed by using Azure Machine Learning Studio.

You need to ingest data once daily from the database, score each row by using the API, and write the data to the storage account.

Solution: You create an Azure Data Factory pipeline that contains the Machine Learning Batch Execution activity.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 55

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure SQL database, an Azure Data Lake Storage Gen 2 account, and an API developed by using Azure Machine Learning Studio.

You need to ingest data once daily from the database, score each row by using the API, and write the data to the storage account.

Solution: You create a scheduled Jupyter Notebook in Azure Databricks.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 56

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure SQL database, an Azure Data Lake Storage Gen 2 account, and an API developed by using Azure Machine Learning Studio.

You need to ingest data once daily from the database, score each row by using the API, and write the data to the storage account.

Solution: You create an Azure Data Factory pipeline that contains a Jupyter Notebook activity.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 57

Topic #: 2

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing a Custom Vision Service solution to identify perishable products in grocery stores. The solution will be deployed as part of a mobile app.

You need to recommend the configurations for the Custom Vision API. The solution must minimize the size of the mobile app.

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

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Project type:  ▼

Classification
Object detection

Domain:  ▼

General
General (compact)
Food
Food (compact)
Retail
Retail (compact)

Export capability:  ▼

Basic platforms
Vision AI Dev Kit

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 58

Topic #: 2

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure SQL database, an Azure Data Lake Storage Gen 2 account, and an API developed by using Azure Machine Learning Studio.

You need to ingest data once daily from the database, score each row by using the API, and write the data to the storage account.

Solution: You create an Azure Data Factory pipeline that contains a Machine Learning Execute Pipeline activity.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 59

Topic #: 2

[\[All AI-100 Questions\]](#)

---

Your company has a data team of Scala and R experts.

You plan to ingest data from multiple Apache Kafka streams.

You need to recommend a processing technology to broker messages at scale from Kafka streams to Azure Storage.

What should you recommend?

- A. Azure Databricks
- B. Azure Functions
- C. Azure HDInsight with Apache Storm
- D. Azure HDInsight with Microsoft Machine Learning Server

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 60

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You are designing an AI application that will use an azure Machine Learning Studio experiment.

The source data contains more than 200 TB of relational tables. The experiment will run once a month.

You need to identify a data storage solution for the application. The solution must minimize compute costs.

Which data storage solution should you identify?

- A. Azure Database for MySQL
- B. Azure SQL Database
- C. Azure SQL Data Warehouse

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 61

Topic #: 2

[\[All AI-100 Questions\]](#)

---

You have an SAP production landscape.

You plan to use Azure Machine Learning to develop a fraud detection API. The API will identify potentially fraudulent transactions in the SAP production landscape in near real time.

You need to recommend a workflow for the API.

What should you recommend?

- A. an Azure Data Factory pipeline that uses an SAP table connector and a Machine Learning Execute Pipeline activity
- B. a Microsoft Excel workbook that imports SAP transactions and uses the Excel add-in for web services to score the transactions
- C. an Azure logic app triggered by an SAP message that calls the API and sends an email based on the results
- D. a scheduled Jupyter Notebook in Azure Databricks that connects to SAP HANA

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 1

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You need to build an API pipeline that analyzes streaming data. The pipeline will perform the following:

- ⇒ Visual text recognition
- ⇒ Audio transcription
- ⇒ Sentiment analysis
- ⇒ Face detection

Which Azure Cognitive Services should you use in the pipeline?

- A. Custom Speech Service
- B. Face API
- C. Text Analytics
- D. Video Indexer

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 2

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You design an AI solution that uses an Azure Stream Analytics job to process data from an Azure IoT hub. The IoT hub receives time series data from thousands of IoT devices at a factory.

The job outputs millions of messages per second. Different applications consume the messages as they are available. The messages must be purged.

You need to choose an output type for the job.

What is the best output type to achieve the goal? More than one answer choice may achieve the goal.

- A. Azure Event Hubs
- B. Azure SQL Database
- C. Azure Blob storage
- D. Azure Cosmos DB

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 3

Topic #: 3

[\[All AI-100 Questions\]](#)

HOTSPOT -

You are designing an AI solution that must meet the following processing requirements:

- ⇒ Use a parallel processing framework that supports the in-memory processing of high volumes of data.
- ⇒ Use in-memory caching and a columnar storage engine for Apache Hive queries.

What should you use to meet each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Use a parallel processing framework that supports the in-memory processing of high volumes of data:

	▼
Apache Kafka	
Apache Spark	
Hive	
Microsoft Machine Learning Server	

Use in-memory caching and a columnar storage engine for Hive queries:

	▼
Apache Kafka	
Apache Spark	
Interactive Query	
Microsoft Machine Learning Server	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 4

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You need to deploy cognitive search.

You provision an Azure Search service.

What should you do next?

- A. Search by using the .NET SDK.
- B. Load data.
- C. Search by using the REST API.
- D. Create an index.

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 5

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You need to design an application that will analyze real-time data from financial feeds.

The data will be ingested into Azure IoT Hub. The data must be processed as quickly as possible in the order in which it is ingested.

Which service should you include in the design?

- A. Azure Data Factory
- B. Azure Queue storage
- C. Azure Stream Analytics
- D. Azure Notification Hubs
- E. Apache Kafka
- F. Azure Event Hubs

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 6

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You are designing an AI solution that will provide feedback to teachers who train students over the Internet. The students will be in classrooms located in remote areas. The solution will capture video and audio data of the students in the classrooms.

You need to recommend Azure Cognitive Services for the AI solution to meet the following requirements:

- ⇒ Alert teachers if a student seems angry or distracted.
- ⇒ Identify each student in the classrooms for attendance purposes.
- ⇒ Allow the teachers to log the text of conversations between themselves and the students.

Which Cognitive Services should you recommend?

- A. Computer Vision, Text Analytics, and Face API
- B. Video Indexer, Face API, and Text Analytics
- C. Computer Vision, Speech to Text, and Text Analytics
- D. Text Analytics, QnA Maker, and Computer Vision
- E. Video Indexer, Speech to Text, and Face API

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 7

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You create an Azure Cognitive Services resource.

A developer needs to be able to retrieve the keys used by the resource. The solution must use the principle of least privilege.

What is the best role to assign to the developer?

- A. Security Manager
- B. Security Reader
- C. Cognitive Services Contributor
- D. Cognitive Services User

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 8

Topic #: 3

[\[All AI-100 Questions\]](#)

---

Your company plans to deploy an AI solution that processes IoT data in real-time.

You need to recommend a solution for the planned deployment that meets the following requirements:

- ⇒ Sustain up to 50 Mbps of events without throttling.
- ⇒ Retain data for 60 days.

What should you recommend?

- A. Apache Kafka
- B. Microsoft Azure IoT Hub
- C. Microsoft Azure Data Factory
- D. Microsoft Azure Machine Learning

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 9

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You are designing a solution that will use the Azure Content Moderator service to moderate user-generated content.

You need to moderate content containing certain phrases without repeatedly scanning the collected content.

Which two APIs should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.)

- A. Term List API
- B. Text Moderation API
- C. Image Moderation API
- D. Workflow API

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 10

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You need to configure versioning and logging for Azure Machine Learning models.

Which Machine Learning service application should you use?

- A. Models
- B. Activities
- C. Experiments
- D. Pipelines
- E. Deployments

[Show Suggested Answer](#)



Actual exam question from Microsoft's AI-100

Question #: 11

Topic #: 3

[\[All AI-100 Questions\]](#)

DRAG DROP -

You need to design the workflow for an Azure Machine Learning solution. The solution must meet the following requirements:

- ⇒ Retrieve data from file shares, Microsoft SQL Server databases, and Oracle databases that in an on-premises network.
- ⇒ Use an Apache Spark job to process data stored in an Azure SQL Data Warehouse database.

Which service should you use to meet each requirement? To answer, drag the appropriate services to the correct requirements. Each service 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.

Select and Place:

### Services

Azure Data Factory

Azure Data Bricks

Azure Logic Apps

Azure Stream Analytics

### Answer Area

Retrieve the data

Service

Process the data

Service

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 12

Topic #: 3

[\[All AI-100 Questions\]](#)

DRAG DROP -

You need to build a pipeline for an Azure Machine Learning experiment.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

Score the model.

Import data into the Machine Learning experiment.

Use the Tune Model Hyperparameters module to find the best combination.

Evaluate the model.

Split data into training and testing sets.

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 13

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You have an app that records meetings by using speech-to-text capabilities from the Speech Services API.

You discover that when action items are listed at the end of each meeting, the app transcribes the text inaccurately when industry terms are used.

You need to improve the accuracy of the meeting records.

What should you do?

- A. Add a phrase list
- B. Create a custom wake word
- C. Parse the text by using the Language Understanding (LUIS) API
- D. Train a custom model by using Custom Translator

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 15

Topic #: 3

[\[All AI-100 Questions\]](#)

DRAG DROP -

You plan to use the Microsoft Bot Framework to develop bots that will be deployed by using the Azure Bot Service.

You need to configure the Azure Bot Service to support the following types of bots:

- ⇒ Bots that use Azure Functions
- ⇒ Bots that set a timer-based

Which template should you use for each bot type? To answer drag the appropriate templates to the correct bot type. Each template 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.

Select and Place:

### Templates

Basic

Form

Language Understanding

Proactive

Question and Answer

### Answer Area

Bots that use Azure Functions:

Template

Bots that set a timer:

Template

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 16

Topic #: 3

[\[All AI-100 Questions\]](#)

---

You have Azure IoT Edge devices that collect measurements every 30 seconds.

You plan to send the measurements to an Azure IoT hub.

You need to ensure that every event is processed as quickly as possible.

What should you use?

- A. Apache Kafka
- B. Azure Stream Analytics record functions
- C. Azure Stream Analytics windowing functions
- D. Azure Machine Learning on the IoT Edge devices

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 17

Topic #: 3

[\[All AI-100 Questions\]](#)

HOTSPOT -

You need to build a real-time media bot for Microsoft Skype on an Azure virtual machine. The bot will use the Azure Bot Service. The solution must minimize custom code.

Which environment and language should you use to develop the bot? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Virtual machine environment:

	▼
Linux Ubuntu	
Red Hat Enterprise Linux (RHEL)	
Windows 10	
Windows Server	

Language:

	▼
C#	
C++	
Node.js	
R	

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 18

Topic #: 3

[\[All AI-100 Questions\]](#)

---

Your company recently purchased several hundred hardware devices that contain sensors.

You need to recommend a solution to process the sensor data. The solution must provide the ability to write back configuration changes to the devices.

What should you include in the recommendation?

- A. Microsoft Azure IoT Hub
- B. API apps in Microsoft Azure App Service
- C. Microsoft Azure Event Hubs
- D. Microsoft Azure Notification Hubs

Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 19

Topic #: 3

[\[All AI-100 Questions\]](#)

DRAG DROP -

You have an intelligent edge solution that processes data and outputs the data to an Azure Cosmos DB account that uses the SQL API.

You need to ensure that you can perform full text searches of the data.

Which three 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.

Select and Place:

### Actions

Create a cognitive pipeline.

Create an Azure Search index.

Create an Azure Service Bus.

Create a data source.

Create an Azure Search indexer.

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AI-100

Question #: 20

Topic #: 3

[\[All AI-100 Questions\]](#)

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You have thousands of images that contain text.

You need to process the text from the images to a machine-readable character stream.

Which Azure Cognitive Services service should you use?

- A. Image Moderation API
- B. Text Analytics
- C. Translator Text
- D. Computer Vision

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 21

Topic #: 3

[\[All AI-100 Questions\]](#)

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You have Azure IoT Edge devices that collect measurements every 30 seconds.

You plan to send the measurements to an Azure IoT hub.

You need to process events in the cloud and account for missing data.

What should you use?

- A. Apache Kafka
- B. Azure Stream Analytics record functions
- C. Azure Stream Analytics windowing functions
- D. Azure Machine Learning on the IoT Edge devices

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 22

Topic #: 3

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are deploying an Azure Machine Learning model to an Azure Kubernetes Service (AKS) container.

You need to monitor the scoring accuracy of each run of the model.

Solution: You modify the Config.json file.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 1

Topic #: 4

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are deploying an Azure Machine Learning model to an Azure Kubernetes Service (AKS) container.

You need to monitor the scoring accuracy of each run of the model.

Solution: You configure Azure Monitor for containers.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 2

Topic #: 4

[\[All AI-100 Questions\]](#)

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You need to create a new app that will consume resources from the following Azure Cognitive Services APIs:

- ⇒ Face API
- ⇒ Bing Search
- ⇒ Text Analytics
- ⇒ Translator Text
- ⇒ Language Understanding (LUIS)

The solution must prepare the development environment as quickly as possible.

What should you create first from the Azure portal?

- A. an Azure Key Vault resource
- B. a Cognitive Services resource
- C. an Azure Kubernetes Service (AKS) resource
- D. Face and Language Understanding (LUIS) resources

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 3

Topic #: 4

[\[All AI-100 Questions\]](#)

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The development team at your company builds a bot by using C# and .NET.

You need to deploy the bot to Azure.

Which tool should you use?

- A. the .NET Core CLI
- B. the Azure CLI
- C. the Git CLI
- D. the AzCopy toll

Show Suggested Answer







Actual exam question from Microsoft's AI-100

Question #: 4

Topic #: 4

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are deploying an Azure Machine Learning model to an Azure Kubernetes Service (AKS) container.

You need to monitor the scoring accuracy of each run of the model.

Solution: You configure Azure Application Insights.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 5

Topic #: 4

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create several API models in Azure Machine Learning Studio.

You deploy the models to a production environment.

You need to monitor the compute performance of the models.

Solution: You create environment files.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 6

Topic #: 4

[\[All AI-100 Questions\]](#)

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You deploy an Azure bot.

You need to collect Key Performance Indicator (KPI) data from the bot. The type of data includes:

- ☞ The number of users interacting with the bot
- ☞ The number of messages interacting with the bot
- ☞ The number of messages on different channels received by the bot
- ☞ The number of users and messages continuously interacting with the bot

What should you configure?

- A. Bot analytics
- B. Azure Monitor
- C. Azure Analysis Services
- D. Azure Application Insights

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 7

Topic #: 4

[\[All AI-100 Questions\]](#)

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Your company develops an API application that is orchestrated by using Kubernetes.

You need to deploy the application.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a Kubernetes cluster.
- B. Create an Azure Container Registry instance.
- C. Create a container image file.
- D. Create a Web App for Containers.
- E. Create an Azure container instance.

Show Suggested Answer





Actual exam question from Microsoft's AI-100

Question #: 8

Topic #: 4

[\[All AI-100 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have Azure IoT Edge devices that generate streaming data.

On the devices, you need to detect anomalies in the data by using Azure Machine Learning models. Once an anomaly is detected, the devices must add information about the anomaly to the Azure IoT Hub stream.

Solution: You deploy an Azure Machine Learning model as an IoT Edge module.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

