

# Simplest Format of Microsoft AI-300 Exam Practice Materials

Practice Assessment for Exam AZ-900: Microsoft Azure Fundamentals

Question 1 of 50

Select the answer that correctly completes the sentence.

[Answer choice] is the logical container used to combine and organize Azure resources.

a resource group  
✓ This answer is correct.

Azure Resource Manager (ARM)

a management group  
This answer is incorrect.

an Azure region

Resources are combined into resource groups, which act as a logical container into which Azure resources like web apps, databases, and storage accounts, are deployed and managed.  
Azure resources and Azure Resource Manager - Training | Microsoft Learn

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## Microsoft Operationalizing Machine Learning and Generative AI Solutions Sample Questions (Q10-Q15):

### NEW QUESTION # 10

A financial services company is deploying Microsoft Foundry to host generative AI workloads that process regulated customer data. The Microsoft Foundry environment must prevent any public network exposure while still allowing services managed by Microsoft Foundry to communicate with dependent Azure resources.

Security auditors require that all traffic to and from the Microsoft Foundry resource remain on private networks, with no public endpoints available.

You need to configure the Microsoft Foundry environment so that network access is restricted while maintaining full platform functionality.

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

NOTE: Each correct selection is worth one point.

- **A. Configure a managed virtual network for the Microsoft Foundry resource.**
- B. Disable public network access to the Microsoft Foundry resource.
- C. Deploy the Microsoft Foundry resource in a separate Azure subscription.
- D. Use API key authentication for all model endpoints.
- **E. Disable all inbound network access.**

**Answer: A,E**

Explanation:

To host generative AI workloads in a Microsoft Foundry environment with strictly private communication and no public network exposure, you must configure a Managed Virtual Network (Managed VNet) with specific isolation settings and disable all public inbound access.

[A]

Enable Managed Virtual Network Isolation

During the creation of your Azure AI Foundry hub, navigate to the Networking tab.

Select the Private with Approved Outbound isolation mode. This mode ensures that all outbound traffic from the managed compute resources is restricted to only the destinations you explicitly approve, such as dependent Azure resources.

Once enabled, this isolation mode cannot be disabled.

[E]

Disable Public Inbound Access

In the Networking tab of your Foundry resource, set Public network access to Disabled.

This action blocks all traffic from the public internet, ensuring the resource is only accessible through private connections.

Reference:

<https://learn.microsoft.com/en-us/azure/foundry/how-to/managed-virtual-network>

## NEW QUESTION # 11

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 in this section, you will NOT be able to return to it. As a result, these questions will not appear on the review screen.

You manage an Azure Machine Learning workspace. The Python script named `script.py` reads an argument named `training_data`.

The `training_data` argument specifies the path to the training data in a file named `dataset1.csv`.

You plan to run the `script.py` Python script as a command job that trains a machine learning model.

You need to provide the command to pass the path for the dataset as a parameter value when you submit the script as a training job.

Solution: `python script.py --trainingdata ${{inputs.training_data}}`

Does the solution meet the goal?

- A. No
- **B. Yes**

**Answer: B**

Explanation:

Correct:

```
* python script.py --training_data ${{inputs.training_data}}
```

The script is named `script.py`.

For the parameter use `${{inputs.training_data}}`

Incorrect:

```
* python script.py --training_data dataset1.csv
```

```
* python script.py dataset1.csv
```

```
* python train.py --training_data training_data
```

Note: Read a TabularDataset, Example

In the Input object, specify the type as `AssetTypes.MLTABLE`, and mode as `InputOutputModes.DIRECT`:

\* Details omitted\*

```
job = command(
```

```
code="./src", # Local path where the code is stored
*-> command="python train.py --inputs ${{inputs.input_data}}",
inputs=my_job_inputs,
environment="<environment_name>:<version>",
compute="cpu-cluster",
)
```

Reference:

<https://learn.microsoft.com/en-us/azure/machine-learning/how-to-read-write-data-v2>

### NEW QUESTION # 12

You have a deployment of an Azure OpenAI Service base model.

You plan to fine-tune the model.

You need to prepare a file that contains training data for multi-turn chat.

Which file encoding method should you use?

- A. UTF-8
- B. ASCII
- C. UTF-16
- D. ISO-8859-1

**Answer: A**

Explanation:

For preparing a multi-turn training data file for the Azure OpenAI Service, you should use UTF-8 with a Byte Order Mark (BOM) encoding.

File Format Requirements

Format: The file must be in JSON Lines (JSONL) format, where each individual line is a valid JSON object representing one training example.

Encoding: Specifically, Azure OpenAI requires the JSONL file to be encoded in UTF-8 with BOM.

Structure: For multi-turn conversations, each line must contain a messages array with multiple role ("system", "user", "assistant") and content pairs to represent the dialogue history.

Reference:

<https://dev.to/icebeam7/fine-tuning-a-model-with-azure-open-ai-studio-39p7>

### NEW QUESTION # 13

A team develops and manages a conversational assistant by using Microsoft Foundry.

The team must be able to validate that the assistant does not produce hateful responses before the application is exposed to any users.

You need to evaluate the model output for hateful responses as part of a repeatable validation process.

Which evaluator should you configure first?

- A. Groundedness
- B. Indirect attacks
- C. Protected material
- D. Content safety

**Answer: D**

Explanation:

You should use the Hate and Unfairness Evaluator (a specific type of Content Safety Evaluator) in Microsoft Azure AI Foundry. This tool is designed to identify and measure the severity of hateful content toward protected groups, ensuring your assistant aligns with responsible AI standards.

Why Use the Content Safety Evaluator?

Targeted Detection: It identifies language attacking or discriminating against people based on race, religion, gender, and other identity factors.

Severity Scoring: It provides a numerical severity score (often 0-7) to help you understand the level of risk in a response.

Reasoning: It often includes a "reason" or "explanation" column that explains why a specific response was flagged.

Multilingual Support: These models are trained to work across multiple languages, including English, Spanish, French, and Japanese.

Reference:

### NEW QUESTION # 14

#### Drag and Drop Question

A company is standardizing generative AI development across multiple teams.

Each team requires an isolated workspace. Governance and shared connections must be centrally managed.

You need to implement a Microsoft Foundry environment structure that supports centralized governance and team isolation.

Which type of configuration should you use for each requirement? To answer, move the appropriate configurations to the correct requirements. You may use each configuration once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

The screenshot shows a drag-and-drop interface for Microsoft Foundry configurations. The 'Configurations' list on the left contains four items. The 'Workload configuration options' list on the right contains two requirements. The 'Configuration' pane on the right is empty, indicating that no configurations have been assigned to the requirements yet.

#### Answer:

#### Explanation:

The screenshot shows the same interface as above, but with the configurations assigned to the requirements. 'A Microsoft Foundry project per team' is assigned to 'Isolated workspace for each team', and 'A shared Microsoft Foundry resource' is assigned to 'Security and governance across teams'.

### NEW QUESTION # 15

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