



AI-100^{Q&As}

Designing and Implementing an Azure AI Solution

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QUESTION 1

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 employee.

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

Correct Answer: D

Custom Translator is a feature of the Microsoft Translator service. With Custom Translator, enterprises, app developers, and language service providers can build neural translation systems that understand the terminology used in their own business and industry. The customized translation system will then seamlessly integrate into existing applications, workflows and websites.

Custom Translator allows users to customize Microsoft Translator's advanced neural machine translation for Translator's supported neural translation languages. Custom Translator can be used for customizing text when using the Microsoft Translator Text API , and speech translation using the Microsoft Speech services.

References: <https://www.microsoft.com/en-us/translator/business/customization/>

QUESTION 2

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

Correct Answer: B



When an application needs access to deploy or configure resources through Azure Resource Manager in Azure Stack, you create a service principal, which is a credential for your application. You can then delegate only the necessary permissions to that service principal.

References: <https://docs.microsoft.com/en-us/azure/azure-stack/azure-stack-create-service-principals>

QUESTION 3

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

Correct Answer: D

QUESTION 4

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 create a second PersonGroup object for Ben Smith. Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Instead, use a LargePersonGroup. LargePersonGroup and LargeFaceList are collectively referred to as large-scale operations. LargePersonGroup can contain up to 1 million persons, each with a maximum of 248 faces. LargeFaceList can contain up to 1 million faces. The large-scale operations are similar to the conventional PersonGroup and FaceList



but have some differences because of the new architecture.

References: <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-use-large-scale>

QUESTION 5

You are designing an Azure Batch AI solution that will perform image recognition. The solution will be used to train several Azure Machine Learning models.

You need to enable versioning for Azure Machine Learning models.

What should you do?

- A. Register the Azure Machine Learning models.
- B. Use Azure HDInsight cluster.
- C. Use Machine Learning experiments.
- D. Use Machine Learning pipelines.

Correct Answer: A

Model registration allows you to store and version your models in the Azure cloud, in your workspace. The model registry makes it easy to organize and keep track of your trained models.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/version-control> <https://docs.microsoft.com/en-us/azure/machine-learning/how-to-deploy-and-where>

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