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## **Exam Professional Machine Learning Engineer All Questions**

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## EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 44 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 44

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You work for a large technology company that wants to modernize their contact center. You have been asked to develop a solution to classify incoming calls by product so that requests can be more quickly routed to the correct support team. You have already transcribed the calls using the Speech-to-Text API. You want to minimize data preprocessing and development time. How should you build the model?

- A. Use the AI Platform Training built-in algorithms to create a custom model.
- B. Use AutoMIL Natural Language to extract custom entities for classification.
- C. Use the Cloud Natural Language API to extract custom entities for classification.
- D. Build a custom model to identify the product keywords from the transcribed calls, and then run the keywords through a classification algorithm.

**Show Suggested Answer** 

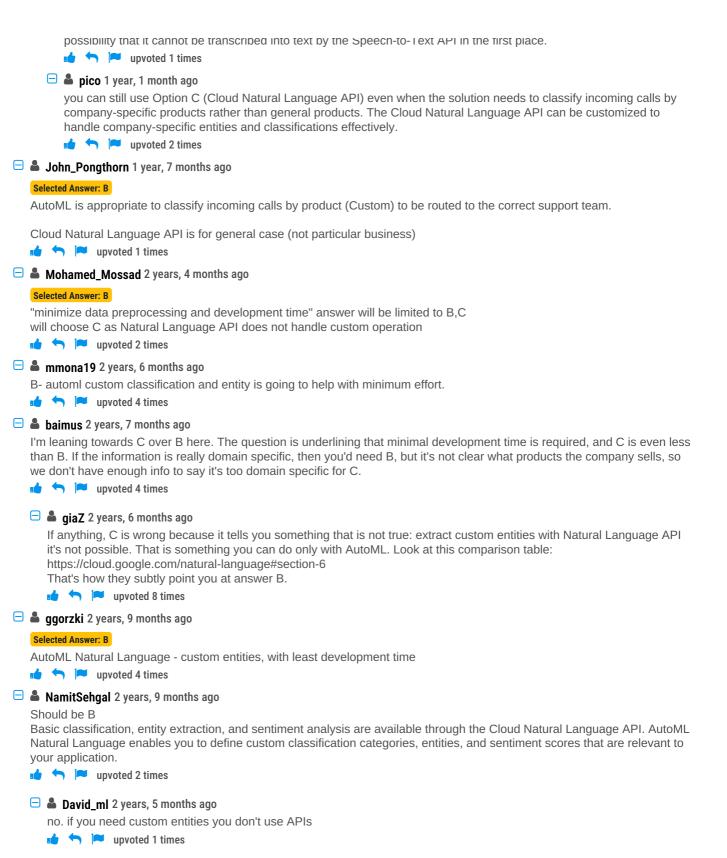
by A chohan at June 18, 2021, 3:03 p.m.

## **Comments**

Type your comment...

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	♣ chohan Highly Voted 🐽 3 years, 4 months ago Should be B
	-> minimize data preprocessing and development time  the limit of the
	<ul> <li>sensev 3 years, 2 months ago</li> <li>Agree its B. A and D is incorrect since it requires more development time. C is also incorrect since the product is company specific and might not be well recognized by Cloud Natural Language API.</li> <li>pupvoted 6 times</li> </ul>
	■ neohanju 3 years, 1 month ago I thought the answer is B too. However, after carefully reading the question and answers again, B produces entities for classification only, not a classification result.  So, A and D are only candidates and A is better.  upvoted 2 times
	misya Most Recent 2 2 months, 1 week ago
	Selected Answer: C Cloud NLP API no require custom training  ipupvoted 1 times
	PhilipKoku 4 months, 2 weeks ago
	Selected Answer: C C) Cloud NLP API
	to Cloud NEP APT
	21c17b3 8 months, 1 week ago I'm voting C here!
	■ ralf_cc 8 months, 1 week ago  AutoML only has classification and regression  i proted 2 times
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	Selected Answer: C Key Differences:  Approach: Option B (AutoML Natural Language) involves using an AutoML service to train a custom NLP model, while Option C (Cloud Natural Language API) relies on a pre-built NLP API.  Control and Customization: Option B gives you more control and customization over the training process, as you train a model specific to your needs. Option C offers less control but is quicker to set up since it uses a pre-built API.  Complexity: Option B might require more technical expertise to set up and configure the AutoML model, while Option C is
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