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Exam Professional Data Engineer All Questions

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📄 EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 113 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 113

Topic #: 1

[All Professional Data Engineer Questions]

You are a retailer that wants to integrate your online sales capabilities with different in-home assistants, such as Google Home. You need to interpret customer voice commands and issue an order to the backend systems. Which solutions should you choose?

- A. Speech-to-Text API
- B. Cloud Natural Language API
- C. Dialogflow Enterprise Edition
- D. AutoML Natural Language

Show Suggested Answer

by 🔵 rickywck at *March 17, 2020, 12:12 p.m.*

Comments

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⊟ 👤 **rickywck** `Highly Voted 👍` 5 years, 1 month ago

should be C, since we need to recognize both voice and intent

👍 ↩ 🚩 upvoted 26 times

AzureDP900 2 years, 4 months ago

C. Dialogflow Enterprise Editio

👍 ↩ ⚑ upvoted 1 times

Alasmindas `Highly Voted 👍` 4 years, 5 months ago

Option A - Cloud Speech-to-Text API.
The question is just asking to " interpret customer voice commands" .. it does not mention anything related to sentiment analysis so NLP is not required. DialogFlow is more of a chat bot services typically suited for a "Service Desk" kind of setup - where clients will call a centralized helpdesk and automation is achieved through Chat bot services like - google Dialog flow

👍 ↩ ⚑ upvoted 19 times

> **hdmi_switch** 3 years, 9 months ago
>
> Cloud Speech-to-Text API just converts speech to text. You will have text files as an output and then the requirement is to "interpret customer voice commands and issue an order to the backend systems". This is not achieved by having text files.
>
> I would go with option C, since Dialogflow can interpret the commands (intents) and integrates other applications e.g. backend systems.
>
> 👍 ↩ ⚑ upvoted 8 times

> **exnaniantwort** 1 year, 7 months ago
>
> shuld be C, the key is interpret customer voice commands
>
> 👍 ↩ ⚑ upvoted 1 times

> **HarshKothari21** 2 years, 7 months ago
>
> Question also says "in-home assistants, such as Google Home". the idea here is to provide assistance which involves Dialog.
>
> I would go with option C
>
> 👍 ↩ ⚑ upvoted 2 times

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grshankar9 `Most Recent ⊙` 3 months, 2 weeks ago

`Selected Answer: C`

While both are Google Cloud services related to speech processing, the key difference is that Cloud Speech-to-Text API is solely focused on transcribing spoken language into text, while DialogFlow is a more comprehensive platform that not only transcribes speech but also interprets the meaning of the conversation, allowing you to build conversational AI applications with features like intent recognition and entity extraction

👍 ↩ ⚑ upvoted 1 times

LR2023 7 months, 1 week ago

This is a queston from Actual exam question from Google's Professional Data Engineer so C makes sense. This is not an AWS question

👍 ↩ ⚑ upvoted 1 times

AlizCert 11 months ago

`Selected Answer: A`

The question clearly states "voice commands" which is a term for short (few words long at most) well-defined phrases to be recognized. No need for a dialog.
Even if I were to use Dialogflow, I would use ES instead of CX (new name for Enterprise Edition), no fancy features are required for this.

👍 ↩ ⚑ upvoted 1 times

NeoNitin 1 year, 9 months ago

Ans C . main thing is that question is saying" customer voice commands " there is no need to sentimental analysis of language so thats why.

C. Dialogflow Enterprise Edition

Dialogflow is a powerful natural language understanding platform developed by Google. It allows you to build conversational interfaces, interpret user voice commands, and integrate with various platforms and devices like Google Home. The "Enterprise Edition" provides additional features and support for more complex use cases, making it a good choice for a retailer looking to integrate with in-home assistants and handle customer voice commands effectively.

👍 ↩ ⚑ upvoted 1 times

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juliobs 2 years, 1 month ago

`Selected Answer: C`

Answer is C. However Google Assistant Conversational Actions will be sunsetted on June 13, 2023.

👍 ↩ ⚑ upvoted 3 times

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techtitan 2 years, 2 months ago

https://cloud.google.com/dialogflow/es/docs/integrations/aog

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **desertlotus1211** 2 years, 3 months ago

I think the answer is A: Speech to Text.
You want to interpret what a user say... Diagflow is text to speech, not what the question asked for...

Thoughts?

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **PrashantGupta1616** 2 years, 4 months ago

The question is just asking to " interpret customer voice commands" so A is out of the box solution

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⊟ 👤 **odacir** 2 years, 4 months ago

Enable voice control

Implement voice commands such as "turn the volume up," and voice search such as saying "what is the temperature in Paris?" Combine this with the Text-to-Speech API to deliver voice-enabled experiences in IoT (Internet of Things) applications.
https://cloud.google.com/speech-to-text#section-9

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **odacir** 2 years, 4 months ago

I change my mind, it's C.
https://cloud.google.com/blog/products/gcp/introducing-dialogflow-enterprise-edition-a-new-way-to-build-voice-and-text-conversational-apps

👍 ↩ 🚩 upvoted 5 times

⊟ 👤 **zellck** 2 years, 5 months ago

C is the answer.

https://cloud.google.com/dialogflow/es/docs
Dialogflow is a natural language understanding platform that makes it easy to design and integrate a conversational user interface into your mobile app, web application, device, bot, interactive voice response system, and so on. Using Dialogflow, you can provide new and engaging ways for users to interact with your product.

Dialogflow can analyze multiple types of input from your customers, including text or audio inputs (like from a phone or voice recording). It can also respond to your customers in a couple of ways, either through text or with synthetic speech.

👍 ↩ 🚩 upvoted 3 times

⊟ 👤 **TNT87** 2 years, 7 months ago

https://cloud.google.com/blog/products/gcp/introducing-dialogflow-enterprise-edition-a-new-way-to-build-voice-and-text-conversational-apps

Dialogflow is the answer

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **Smaks** 2 years, 9 months ago

Dialogflow provides a seamless integration with Google Assistant. This integration has the following advantages: You can use the same Dialogflow agent to power Google Assistant and other integrations. Dialogflow agents provide Google Cloud enterprise-grade security, privacy, support, and SLAs

👍 ↩ 🚩 upvoted 3 times

⊟ 👤 **Vip777** 3 years ago

dialog

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **Vip777** 3 years ago

speech

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **PJG_worm** 3 years, 1 month ago

It should be D. INTERPRET customer voice commands and issue an order to the backend systems. Option C is usually applied for conversation. But in this case, it is not a conversation.

upvoted 1 times

[Removed] 2 years, 9 months ago

it can totally be a conversation. if the system is attempting to interpret voice commands, it may need clarifying questions, which would in turn be a conversation. it's not D because autoML NL analyzes TEXT. it would have to work in conjunction with speech to text API. therefore the answer is dialogflow.

upvoted 1 times

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