AI Connect

Description

AI Connect app**,** is powered by **OpenAI**, an **a**rtificial **I**ntelligence (AI) research laboratory consisting of the non-profit **OpenAI Incorporated**.

With **AI Connect**, it's possible to automate within switch the use of some of the **OpenAI Incorporated** services:
- Generate image with Dall.E 2
- Generate text with ChatGPT

Compatibility

Switch 2022 fall or higher.

Connections

- One incoming connection
- Traffic light outgoing connection(s)

Use case

- Pre-filling an email response :
  - Prompt *"Answer this email : "Hi, can you explain to me what is overprint?"*
  - Response : *"Hi, Overprint refers to printing one color over another, resulting in a mix of the two colors where they overlap."*

- Translation :
  - Prompt: *"Can you translate this email in polish? : "Thanks for your response. We will get back to you as soon as possible"*
  - Response: *"Dziękujemy za Twoją odpowiedź. Skontaktujemy się z Tobą jak najszybciej."*

- Generate tagline :
  - Prompt : *"Create a tagline for an automated web2print deliver in 48h"*
  - Response : *"Print at the speed of business: Your design, delivered in 48 hours."*

- Summarize a conversation
- Generate image based on a pitch
- …

Disclaimer

AI Connect app is provided as is.

The **AI Connect** app is a third party integration of the official [api](#) provided by **OpenAI incorporated**, which is currently in beta.

Bluewest declines all responsibility in case of misuse of the result provided by the app.

By using **OpenAI**, you accept term and condition from OpenAI incorporated:

- [Service term](#)
- [Sharing & Publication Policy](#)
- [Usage policies](#)
- [Terms of Use](#)
- [Privacy Policy](#)

Extract from the service terms :

> *OpenAI makes no representations or warranties for Beta Services, including any warranty that Beta Services will be generally available, uninterrupted or error-free, or that Content will be secure or not lost or damaged. Except to the extent prohibited by law, OpenAI expressly disclaims all warranties for Beta Services, including any implied warranties of merchantability, satisfactory quality, fitness for a particular purpose, non-infringement, or quiet enjoyment, and any warranties arising out of any course of dealing or usage of trade.*

Pricing and free trial

When creating a new account, you are credited with the equivalent of 18$ worth free trial.

See **OpenAI incorporated** pricing page if you need to go beyond this free trial :
https://openai.com/api/pricing/

Best practices

See a full list of best practices here :
https://platform.openai.com/docs/guides/safety-best-practices

Show and tell
When building your prompt, make it clear what you want either through instructions, examples, or a combination of the two. If you want the model to rank a list of items in alphabetical order or to classify a paragraph by sentiment, show it that's what you want.
Best practices for prompt engineering with OpenAI API

Human in the loop (HITL)
Wherever possible, we recommend having a human review outputs before they are used in practice. This is especially critical in high-stakes domains, and for code generation. Humans should be aware of the limitations of the system, and have access to any information needed to verify the outputs (for example, if the application summarizes notes, a human should have easy access to the original notes to refer back).

Adversarial testing
"We recommend "red-teaming" your application to ensure it's robust to adversarial input. Test your product over a wide range of inputs and user behaviors, both a representative set and those reflective of someone trying to 'break' your application. Does it wander off topic? Can someone easily redirect the feature via prompt injections, e.g. "ignore the previous instructions and do this instead"?
Prompt engineering
"Prompt engineering" can help constrain the topic and tone of output text. This reduces the chance of producing undesired content, even if a user tries to produce it. Providing additional context to the model (such as by giving a few high-quality examples of desired behavior prior to the new input) can make it easier to steer model outputs in desired directions."

Rate limits
See https://platform.openai.com/docs/guides/rate-limits

Error code
See https://platform.openai.com/docs/guides/error-codes

Flow element properties

- **API key**
  Secret Api key generated with openAI. To generate your own api key, visit
  https://platform.openai.com/account/api-keys

- **Text completion**
  - Prompt
    The prompt(s) to generate completions for.

  - Model
    ID of the model to use.
    - **text-davinci-003:**
      - Most capable GPT-3 model. Can do any task the other models can do, often with higher quality, longer output and better instruction-following. Also supports inserting completions within text. Up to Jun 2021
      - Max tokens : 4,096
    - **gpt-3.5-turbo :**
      - Most capable GPT-3.5 model and optimized for chat at 1/10th the cost of text-davinci-003. Will be updated with our latest model iteration 2 weeks after it is released. Up to Sep 2022
      - Max tokens : 4,096
    - **gpt-4:**
      - More capable than any GPT-3.5 model, able to do more complex tasks, and optimized for chat. Will be updated with our latest model iteration 2 weeks after it is released. Up to Sep 2021
      - Max tokens : 8,192
    - **code-davinci-002:**
      - Optimized for code-completion tasks
      - Max tokens : 8,001
    - **text-curie-001:**
      - Very capable, but faster and lower cost than Davinci. Up to Oct 2019
      - Max tokens : 2,048
    - **text-babbage-001:**
      - Capable of straightforward tasks, very fast, and lower cost. Up to Oct 2019
      - Max tokens : 2,048
    - **text-ada-001**:
      - Capable of very simple tasks, usually the fastest model in the GPT-3 series, and lowest cost. Up to Oct 2019
      - Max tokens : 2,048

- ○ Max tokens

    The maximum number of tokens to generate in the completion.

    The token count of your prompt plus max_tokens cannot exceed the model's context length. Most models have a context length of 2048 tokens (except for the newest models, which support 4096).

- ○ Temperature

    What sampling temperature to use. Higher values means the model will take more risks. Try 0.9 for more creative applications, and 0 (argmax sampling) for ones with a well-defined answer.

- ● **Image generation**
    - ○ Prompt

        A text description of the desired image(s). The maximum length is 1000 characters.

    - ○ Size

        The size of the generated images. Must be one of 256x256, 512x512, or 1024x1024.

    - ○ Number of image generated

        The number of images to generate. Must be between 1 and 10.