

# Hugging Face e OpenAI

- Empresas Especializadas em Modelos de AI
- Especialmente NLP
- OpenAI criou os modelos GPT



# Hugging Face

- Comunidade de AI – Empresa
  - Modelos
  - Datasets
  - Serviços como Suporte Especializado, AutoNLP
- Biblioteca Transformers

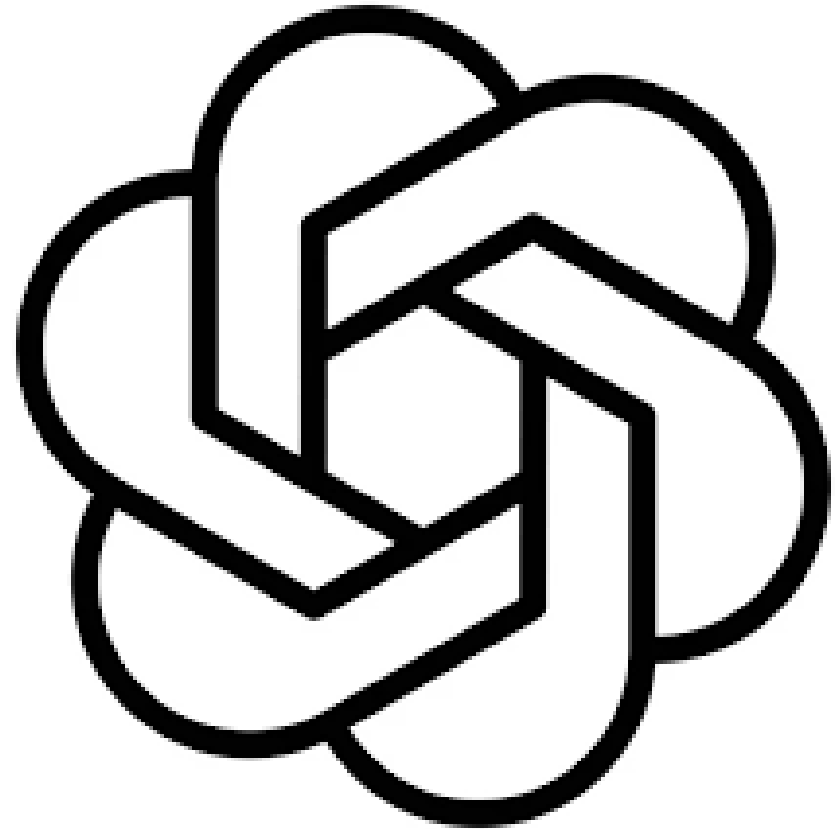


# Pipeline

- Analise de Sentimento
- Geração de texto\*
- Perguntas e Respostas\*
- NER
- Preencha a lacuna\*
- Resumos\*
- Tradução

# Família de Modelos GPT

- Com maior e menor capacidade/custo/performance
- Método e Modelo Genérico para qualquer tarefa
- Modelo na Nuvem
- Possível fine-tuning
- Cobrança por Token
- Necessita autenticação por chave



**ORGANIZATION**

- Personal ⓘ
- Settings
- Usage
- Members
- Billing


**USER**

- API Keys

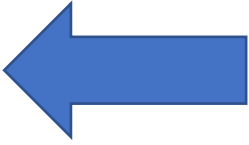
# API keys

Your secret API keys are listed below. Please note that we do not display your secret API keys again after you generate them.

Do not share your API key with others, or expose it in the browser or other client-side code. In order to protect the security of your account, OpenAI may also automatically rotate any API key that we've found has leaked publicly.

SECRET KEY	CREATED	LAST USED
sk-...1Ec2	27 de dez. de 2022	Never 

+ Create new secret key



## Default organization

If you belong to multiple organizations, this setting controls which organization is used by default when making requests with the API keys above.

Personal ▼

Note: You can also specify which organization to use for each API request. See [Authentication](#) to learn more.



## ORGANIZATION

📁 Personal ⓘ

Settings

Usage

Members

Billing

## USER

API Keys

# API keys

Your secret API keys are listed below. Please note that we do not display your secret API keys again after you generate them.

Do not share your API key with others, or expose it in the browser or other client-side code. In order to protect the security of your account, we will automatically revoke any API key that we've found has leaked.

### SECRET KEY

sk-...1Ec2

sk-...gswQ

+ Create new secret key

### API key generated

Please save this secret key somewhere safe and accessible. For security reasons, **you won't be able to view it again** through your OpenAI account. If you lose this secret key, you'll need to generate a new one.

sk-Ix9QIUfFrVsPnFLgghOdT3BibkFJfGRXRG6dvrAXIWB2gsw



OK



## Default organization

If you belong to multiple organizations, this setting controls which organization is used by default when making requests with the API keys above.

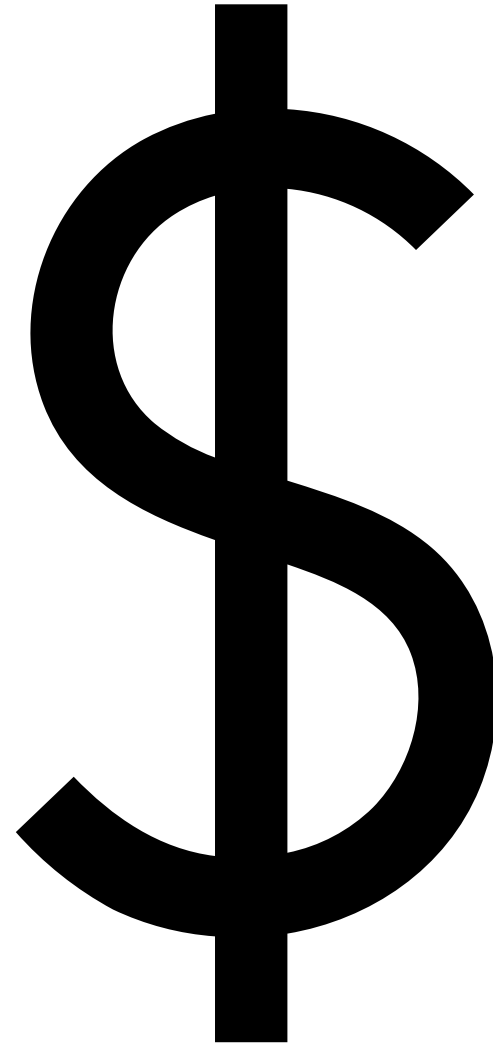
Personal



Note: You can also specify which organization to use for each API request. See [Authentication](#) to learn more.

# Custo

- Uso das APIs pode ter um custo!
- As condições e preços podem mudar
- Normalmente existe um uso gratuito



# Pricing

Simple and flexible. Only pay for what you use.

GET STARTED

CONTACT SALES

## Image models

Build DALL·E directly into your apps to generate and edit novel images and art. Our image models offer three tiers of resolution for flexibility.

LEARN MORE ↗

RESOLUTION	PRICE
1024×1024	\$0.020 / image
512×512	\$0.018 / image
256×256	\$0.016 / image





ORGANIZATION

Personal

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API Keys

# Usage

Below you'll find a summary of API usage for your organization. All dates and times are UTC-based, and data may be delayed up to 5 minutes.

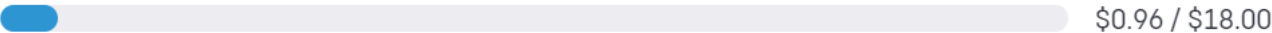
< December >

DAILY CUMULATIVE

Daily usage (USD) ⓘ



## Free trial usage



GRANT #	CREDIT GRANTED	EXPIRES (UTC)
Grant 1	\$18.00	1 de abril de 2023

# Language models

## Base models

Ada <small>Fastest</small>	Babbage	Curie	Davinci <small>Most powerful</small>
\$0.0004 <small>/1K tokens</small>	\$0.0005 <small>/1K tokens</small>	\$0.0020 <small>/1K tokens</small>	\$0.0200 <small>/1K tokens</small>

Multiple models, each with different capabilities and price points.

**Ada** is the fastest model, while **Davinci** is the most powerful.

Prices are per 1,000 tokens. You can think of tokens as pieces of words, where 1,000 tokens is about 750 words. This paragraph is 35 tokens.

LEARN MORE↓

# Aulas Práticas

- Exemplos de Diferentes tarefas utilizando transformers (Huggingface)
- Exemplo utilizando OpenAI GPT