

语言交互图像编辑

效果图

Example 1



Example 2



Usage

Demo

A demo is deployed in Azure. [Try it here](#)

Run through Kubernetes (Recommend)

1. cd k8s
2. kubectl apply -f pod.yaml (kubectl apply -f pod_arm.yaml if you are using Arm)
3. If your OS is not Linux, run kubectl port-forward mm-service-pod -n default 27777:27777
4. Open 127.0.0.1:27777

Run through Docker

1. Run middleware
 - docker pull binciluo/middleware:latest
 - docker run --name middleware -p 8080:8080 binciluo/middleware:latest
2. Run webui
 - docker pull binciluo/gradio_web:latest
 - docker run --name webui -p 27777:27777 binciluo/gradio_web:latest
3. Build a network
 - docker network creat mm-service
 - docker network connect mm-service middleware
 - docker network connect mm-service webui
4. Open 127.0.0.1:27777

Run in local

1. Run middleware(golang , beego required)

- cd middleware
- bash local_middleware.sh

2. Run webui

- cd gradio_web
- pip install -r requirements.txt
- bash local_gradio.sh

3. Open 127.0.0.1:27777

系统架构

前端-->后端-->gpt glm stablediffusion

前端

实现方式

使用Python实现，主要使用gradio

后端

实现方式

使用Golang实现，主要使用beego

GPT3Dot5Turbo

调取OpenAI的接口实现

ChatGLM2-6B

实现方式

使用fastapi封装ChatGLM2-6B

StableDiffusion

实现方式

基于开源项目[stable-diffusion-webui](#)的API，对其进行了API的扩充

Trouble Shooting

Can't open gradio_web

1. Check if [webui.py](#) is running.
2. Check `$GRADIO_ENV` using `echo $GRADIO_ENV`. If the value is `Azure` it will be launched in port **80**. If the value is `local` or `k8s` in port **27777**. Otherwise, it will be launched in port **8080**.
3. If it is still unavailable and you are using it through k8s or docker, check if you successfully set the network mentioned in [Usage](#).

Can't connect to middleware

1. check if middleware is running.
2. Check if the `$MIDDLEWARE_ENV` in the terminal running webui matchs how middleware is running (local, k8s, docker).
3. Check `$BEE_PORT`

Can't connect to openai

1. If error message is
`Post "https://api.openai.com/v1/chat/completions": dial tcp [2a03:2880:f130:83:face:b00c:0:25de]:443: i/o timeout`, you should check if you need to set a proxy to send requests.