⚛ GAN-MASTER

An optimized AI tool support image restoration, image denoise, upscale, ... using GFP-GAN, GPEN, ...

> ⚠ **Important Note**
> □□ I only have RTX 30 series (SM86). So newer series untested.
> □□ If you facing any issue, please send the error log to:
>
> - □□ LinkedIn
> - □□ Facebook
> - □□ Whatsapp

□□ **Compatible GPU**	
□ **Newer**	Runnable, but slower.
□ **SM86**	RTX 30 Series.
□ **Unsupported**	RTX 20 Series and older, AMD or Intel GPU.

□□ Quick Start (Docker Compose)

Install **Docker**, **Newest Nvidia Driver & CUDA toolkit**
Next, copy **docker-compose.yml** content below and put to empty folder.
Then, open **Terminal/CMD/Windows PowerShell** and navigate to directory contain `docker-compose.yml` file.
Finally, run this command `docker compose up -d` to start the container. Go to `http://localhost:7860` and enjoy.

> ## Requirements

⬇ Docker

⬇ nvidia-driver

⬇ cuda-toolkit

Models (download then copy into models folder

⬇ RetinaFace-R50

⬇ ParseNet-latest

⬇ realesrnet_x4

⬇ GPEN-BFR-512

⬇ Colorization

⬇ RealESRGAN_x2plus

⬇ GFPGANv1.4

docker-compose.yml

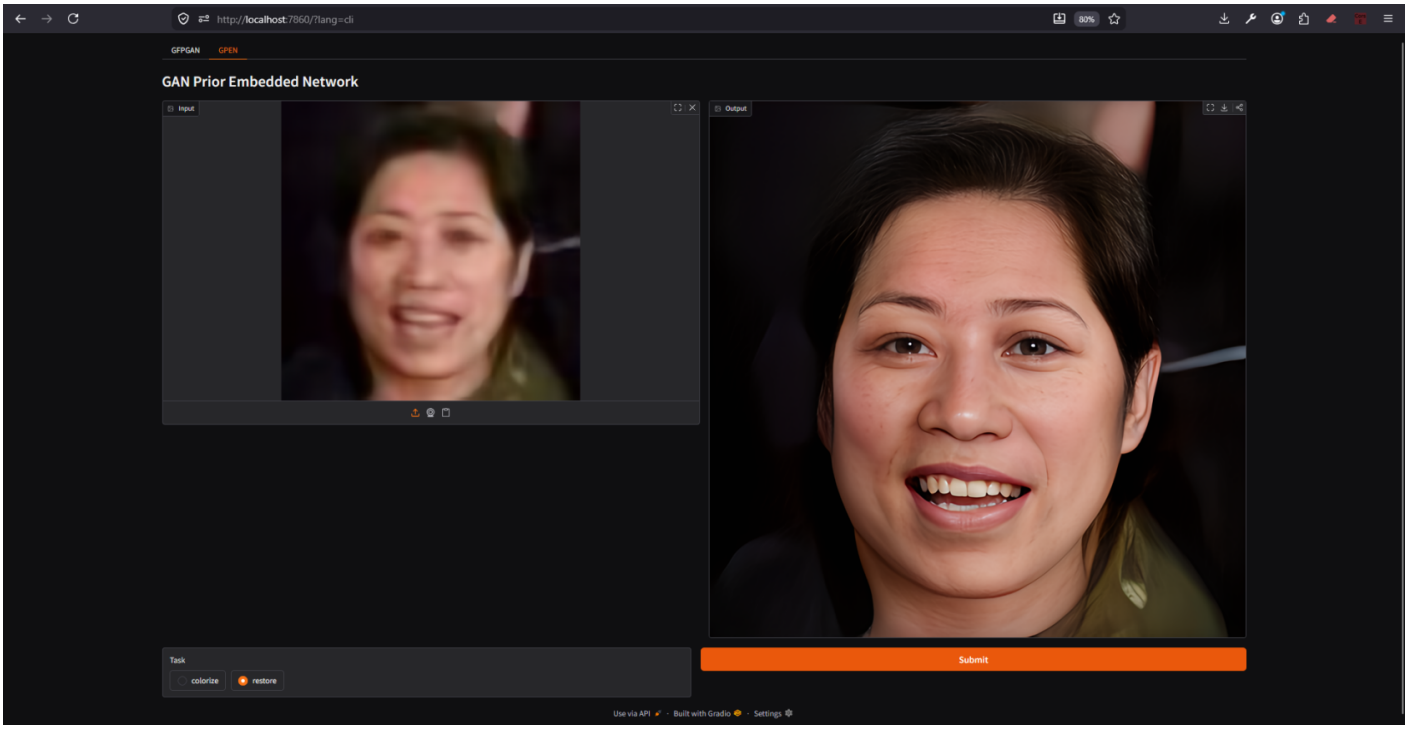
```
services:
  gan-master:
    image: sandichhuu/gan-master:sm86cu130
    container_name: gan-master
    ipc: host
    port:
      - 7860:7860
    deploy:
      resources:
        reservations:
          devices:
            - driver: nvidia
              count: 1
              capabilities: [gpu]
    volumes:
      - ./models:/workspace/app/models
      - ./outputs:/workspace/app/outputs
```

□□ Setup Structure

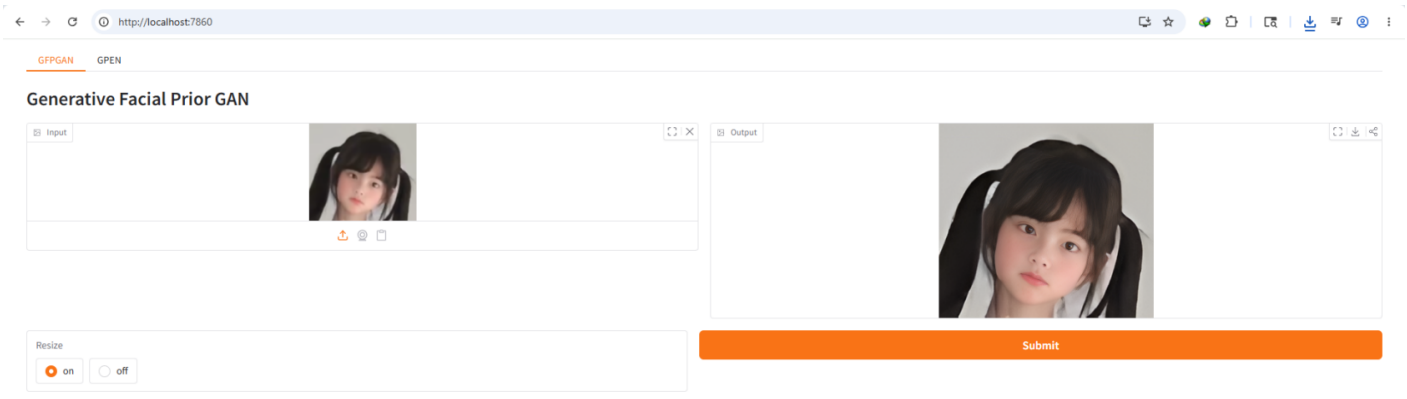
```
comfyuv/
??? docker-compose.yml
??? models/
??? output/
```

◻◻ Screenshot

GPEN (Restore Mode)



GFPGAN (Upscale Mode)



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