

?? 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

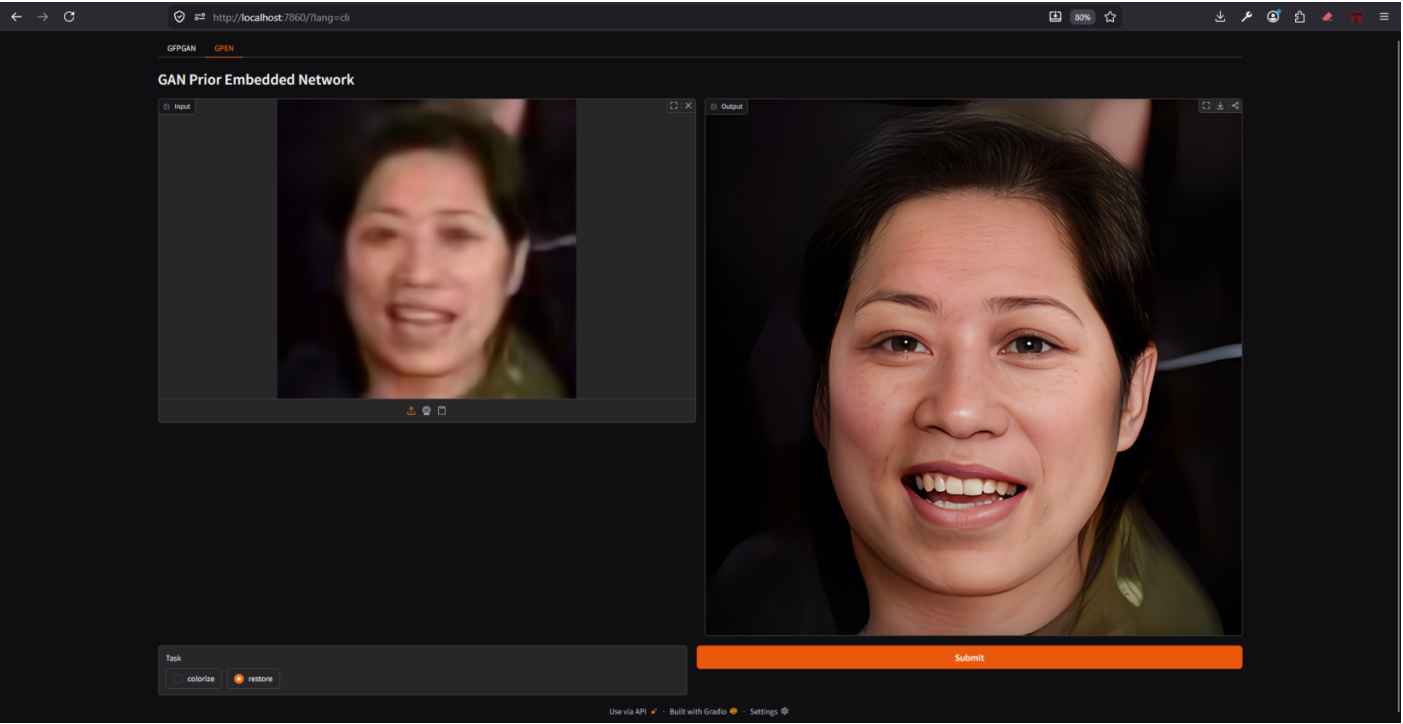
```
services:
  gan-master:
    image: sandichhuu/gan-master:sm86cu130
    container_name: gan-master
    ipc: host
    port:
      - 7860:7860
    deploy:
      resources:
        reservations:
          devices:
            - driver: nvidia
              count: 1
              capabilities: [gpu]
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

? Setup Structure

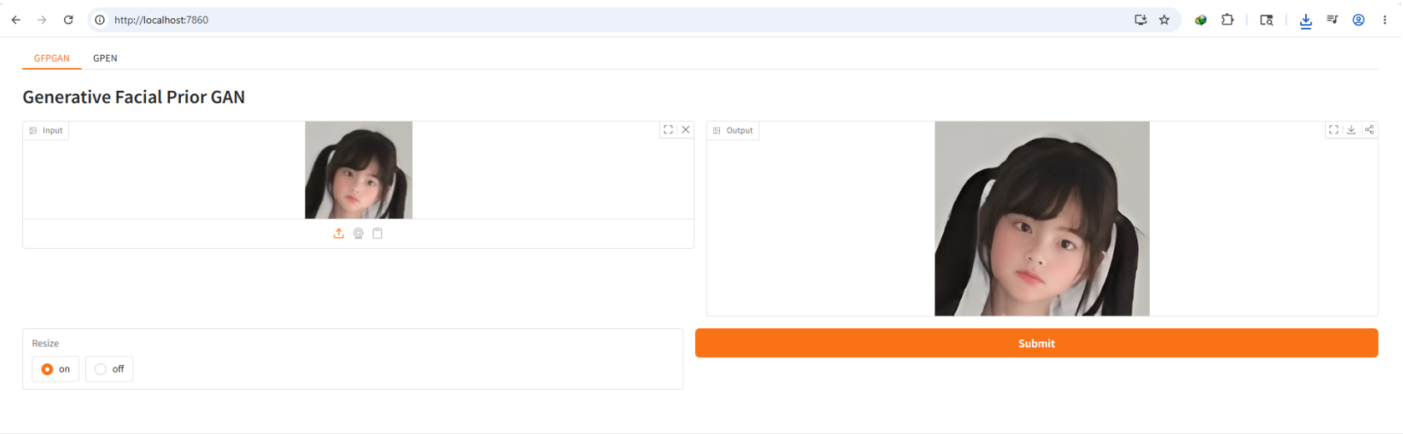
```
comfyuv/
??? docker-compose.yml
??? models/
??? output/
```

? Screenshot

GPEN (Restore Mode)



GFPGAN (Upscale Mode)



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