

# Stable Diffusion

## Web UI API

Run the web UI with:

```
./webui.sh --api
```

## Example Python Script

```
import webuiapi

# create API client
api = webuiapi.WebUIApi()

# create API client with custom host, port
#api = webuiapi.WebUIApi(host='127.0.0.1', port=7860)

# create API client with custom host, port and https
#api = webuiapi.WebUIApi(host='webui.example.com', port=443, use_https=True)

# create API client with default sampler, steps.
#api = webuiapi.WebUIApi(sampler='Euler a', steps=20)

# optionally set username, password when --api-auth=username:password is set on webui.
# username, password are not protected and can be derived easily if the communication channel is not
encrypted.
# you can also pass username, password to the WebUIApi constructor.

result1 = api.txt2img(width=512,height=768,
                      prompt="Morgan Freeman in star wars jedi robe",
                      negative_prompt="ugly, out of frame",
                      seed=1003,
```

```
styles=["anime"],
cfg_scale=7,
steps=30,
# sampler_index='DDIM',
# steps=30,
# enable_hr=True,
# hr_scale=2,
# hr_upscaler=webuiapi.HiResUpscaler.Latent,
# hr_second_pass_steps=20,
# hr_resize_x=1536,
# hr_resize_y=1024,
# denoising_strength=0.4,
alwayson_scripts = {
  "ADetailer": {
    "args": [
      {
        "ad_model": "face_yolov8n.pt"
      }
    ]
  }
}
)

result1.image.save("out.png")
```

---

Revision #1

Created 20 November 2023 21:59:03 by James

Updated 11 February 2024 16:27:03 by James