

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")
```

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