Run with Custom Parameters

AUTOMATIC1111 edited this page Sep 18, 2022 · 3 revisions　　　　　　　　　　　　　　　　　　　　　　Jump to bottom

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https://github.com/AUTOMATIC1111/stable-diffusion-webui.wiki.git ⎘

webui-user

The recommended way to customize how the program is run is editing `webui-user.bat` (Windows) and `webui-user.sh` (Linux):

- `set PYTHON` allows for setting a custom Python path
  - Example: `set PYTHON=b:/soft/Python310/Python.exe`
- `set VENV_DIR` allows you to chooser the directory for the virtual environment. Default is `venv` . Special value `-` runs the script without creating virtual environment.
  - Example: `set VENV_DIR=C:\run\var\run` will create venv in the `C:\run\var\run` directory.
  - Example: `set VENV_DIR=-` runs the program using the system's python
- `set COMMANDLINE_ARGS` setting the command line arguments `webui.py` is ran with
  - Example: `set COMMANDLINE_ARGS=--ckpt a.ckpt` uses the model `a.ckpt` instead of `model.ckpt`

Command Line Arguments

Running online

Use the `--share` option to run online. You will get a xxx.app.gradio link. This is the intended way to use the program in collabs. You may set up authentication for said gradio shared instance with the flag `--gradio-auth username:password` , optionally providing multiple sets of usernames and passwords separated by commas.

Use `--listen` to make the server listen to network connections. This will allow computers on the local network to access the UI, and if you configure port forwarding, also computers on the internet.

Use `--port xxxx` to make the server listen on a specific port, xxxx being the wanted port. Remember that all ports below 1024 need root/admin rights, for this reason it is advised to use a port above 1024. Defaults to port 7860 if available.

All command line arguments

Below is the output of `python webui.py --help` . This list may be outdated - you can view help yourself by running that command.

```
-h, --help              show this help message and exit
--config CONFIG         path to config which constructs model
--ckpt CKPT             path to checkpoint of stable diffusion model; this checkpoint will be added to
--ckpt-dir CKPT_DIR     path to directory with stable diffusion checkpoints
--gfpgan-dir GFPGAN_DIR
                        GFPGAN directory
--gfpgan-model GFPGAN_MODEL
                        GFPGAN model file name
--no-half               do not switch the model to 16-bit floats
--no-progressbar-hiding
                        do not hide progressbar in gradio UI (we hide it because it slows down ML if yo
--max-batch-count MAX_BATCH_COUNT
                        maximum batch count value for the UI
--embeddings-dir EMBEDDINGS_DIR
                        embeddings directory for textual inversion (default: embeddings)
--allow-code            allow custom script execution from webui
--medvram               enable stable diffusion model optimizations for sacrificing a little speed for
--lowvram               enable stable diffusion model optimizations for sacrificing a lot of speed for
--always-batch-cond-uncond
                        disables cond/uncond batching that is enabled to save memory with --medvram or
--unload-gfpgan         does not do anything.
--precision {full,autocast}
                        evaluate at this precision
--share                 use share=True for gradio and make the UI accessible through their site (doesn'
--esrgan-models-path ESRGAN_MODELS_PATH
                        path to directory with ESRGAN models
--opt-split-attention
                        does not do anything
--disable-opt-split-attention
                        disable an optimization that reduces vram usage by a lot
--opt-split-attention-v1
                        enable older version of split attention optimization that does not consaumes al
--listen                launch gradio with 0.0.0.0 as server name, allowing to respond to network reque
--port PORT             launch gradio with given server port, you need root/admin rights for ports < 10
--show-negative-prompt
                        does not do anything
--ui-config-file UI_CONFIG_FILE
                        filename to use for ui configuration
--hide-ui-dir-config    hide directory configuration from webui
--ui-settings-file UI_SETTINGS_FILE
                        filename to use for ui settings
--gradio-debug          launch gradio with --debug option
--gradio-auth GRADIO_AUTH
                        set gradio authentication like "username:password"; or comma-delimit multiple l
--opt-channelslast      change memory type for stable diffusion to channels last
--styles-file STYLES_FILE
                        filename to use for styles
--autolaunch            open the webui URL in the system's default browser upon launch
```

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