Local Ai Install

All in one

- LMstudio multi platform
- Goose

local service install on MacOS

You need a **mac Silicon**

Ollama

First, install ollama
→ https://ollama.com/
Unzip et run the .app
Once installed it proposed to run

```
ollama run llama3.2
```

Do it...in a terminal
Once the model is pulled and command prompt is **»>** test it (say hi)

Homebrew

If not already done, install homebrew:

```
/bin/bash -c "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

Don't forget to add homebrew to your PATH as indicated at the end of the install

git/conda

```
 brew install git
```

grab latest conda for the platform from https://github.com/conda-forge/miniforge/releases/

```
cd ~/Downloads && wget https://github.com/conda-
forge/miniforge/releases/download/24.11.2-1/Miniforge3-24.11.2-1-MacOSX-
arm64.sh
```

```
sh Miniforge3-24.11.2-1-MacOSX-arm64.sh
```

Read / accept and install by default [enter] ...

```
eval "$(/Users/$USER/miniforge3/bin/conda shell.zsh hook)"
python --version   #Python 3.12.8
pip --version    #pip 24.3.1 from
/Users/fortiera/miniforge3/lib/python3.12/site-packages/pip (python 3.12)
pip install open-webui
```

</code>

web server

```
open-webui serve
```

Stable diffusion

```
eval "$(/Users/$USER/miniforge3/bin/conda shell.zsh hook)"
conda create -n stable python=3.10.6
conda activate stable
python --version #Must be 3.10.6
cd ~/git # or wherever you put your git stuff
git clone https://github.com/AUTOMATIC1111/stable-diffusion-webui.git
cd stable-diffusion-webui/models/Stable-diffusion
wget https://huggingface.co/stable-diffusion-v1-5/stable-diffusion-
v1-5/blob/main/v1-5-pruned.safetensors
cd ../..
./webui.sh
```

In the web interface select v1-5-pruned.safetensors and check generation **Ctrl+C** to quit after testing

Integration in open-WebUI

Let's generate image in our nice local Ai
relaunch stable-diffusion:

```
eval "$(/Users/$USER/miniforge3/bin/conda shell.zsh hook)"
conda activate stable
cd ~/git/stable-diffusion-webui
./webui.sh --listen --api
```

Click on your account icon then Settings > Admin Settings > Images then:

- Image Generation Engine set to AUTOMATIC1111
- URL to http://127.0.0.1:7860
- Activate “Image Generation (Experimental)”

Update

Open-WebUI

```
eval "$(/Users/$USER/miniforge3/bin/conda shell.zsh hook)"
conda
```

References

- https://www.youtube.com/watch?v=6E2-HQMSs5k
- https://github.com/mateo-cogeanu/local-ai-mac-setup
- https://www.youtube.com/watch?v=R0XuVqMSHYk
- https://www.fahdmirza.com/2024/12/magicquill-installation-on-windows.html

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