Stashface

Stashface is a Gradio web user interface with api endpoints for facial recognition, primarily for use with the Stash plugin Visage. It requires a vector database of the faces with references to the stashdb uuids and file with uuid to metadata mapping. A password protected zip file of the mapping is in the docker image and huggingface git source. An own database can be created using visage-ml. The performers.json mapping file should be in the following format for stashface:

performers.json

```
{
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx": {"name": "Firstname Lastname",
"image": "https://cdn.example.org/images/uuid", "country": "GB"},
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx": {"name": "Firstname2
Lastname2", "image": "https://cdn.example.org/images/uuid", "country":
"HU"},
"xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx": {"name": "Firstname3
Lastname3", "image": "https://cdn.example.org/images/uuid", "country":
"US"},
...
}
```

https://huggingface.co/spaces/cc1234/stashface

Clone repo:

```
# Make sure git-lfs is installed (https://git-lfs.com)
sudo apt-get install git-lfs
git clone https://huggingface.co/spaces/cc1234/stashface
```

Run locally:

```
docker run -it -p 7860:7860 --platform=linux/amd64 \
    -e VISAGE_KEY="YOUR_VALUE_HERE" \
    registry.hf.space/cc1234-stashface:latest python src/app.py
```

or

docker-compose.yaml

```
name: stashface
services:
  stashface:
    image: registry.hf.space/cc1234-stashface:latest
    container_name: stashface
    command: python app.py
    ports:
      - 8126:7860
```

```
    environment:
      - VISAGE_KEY=xxx
    restart: unless-stopped
```

Dockerfile

```
FROM
docker.io/library/python:3.10@sha256:e2c7fb05741c735679b26eda7dd3457515
1079f8c615875fbefe401972b14d85
RUN apt-get update && apt-get install -y fakeroot &&     mv
/usr/bin/apt-get /usr/bin/.apt-get &&     echo '#!/usr/bin/env
shnfakeroot /usr/bin/.apt-get $@' > /usr/bin/apt-get &&     chmod +x
/usr/bin/apt-get &&    rm -rf /var/lib/apt/lists/* &&     useradd -m -u
1000 user
COPY --chown=1000:1000 --from=root / /
WORKDIR /home/user/app
RUN apt-get update && apt-get install -y    git     git-lfs     ffmpeg
libsm6     libxext6     cmake     rsync     libgl1-mesa-glx     && rm -
rf /var/lib/apt/lists/*     && git lfs install
RUN pip install --no-cache-dir pip -U &&    pip install --no-cache-dir
datasets     "huggingface-hub>=0.19" "hf_xet>=1.0.0,<2.0.0" "hf-
transfer>=0.1.4" "protobuf<4" "click<8.1" "pydantic~=1.0"
RUN     apt-get update &&     apt-get install -y curl &&     curl -fsSL
https://deb.nodesource.com/setup_20.x | bash - &&     apt-get install -
y nodejs &&     rm -rf /var/lib/apt/lists/* && apt-get clean
RUN --mount=target=/tmp/requirements.txt,source=requirements.txt
pip install --no-cache-dir -r /tmp/requirements.txt
RUN pip install --no-cache-dir  gradio[oauth]==5.25.2
"uvicorn>=0.14.0"     spaces
COPY --link --chown=1000 ./ /home/user/app
RUN pip freeze > /tmp/freeze.txt
COPY --from=pipfreeze --link --chown=1000 /tmp/freeze.txt
/tmp/freeze.txt
```

Run locally natively:

```
# Clone repository

git clone https://huggingface.co/spaces/cc1234/stashface
cd stashface

# Create and activate Python environment

python -m venv env
source env/bin/activate

# Install dependencies and run

pip install -r requirements.txt
```

```
python src/app.py
```

Deprecated Visage userscript version: https://github.com/cc1234475/visage

Visage Stash plugin: https://github.com/stashapp/CommunityScripts/tree/main/plugins/visage

Required changes to endpoints:

stashdir/config/plugins/visage/visage.js

```
let VISAGE_API_URL = "https://cc1234-stashface.hf.space/api/predict";
```

stashdir/config/plugins/visage/visage.yml

```
    connect-src:
      - "https://cc1234-stashface.hf.space"
```

Visage-ML

Visage-ML is used to create a database from images for use with stashface/visage plugin.

The directory structure of the images needs to be in the following format:

```
person_name
  - image_file_001.jpeg
  - another_01.jpeg
```

Updated fork: https://github.com/badde57/visage-ml

Original: https://github.com/cc1234475/visage-ml

```
git clone https://github.com/badde57/visage-ml

#Hashing:
cd visage-ml/hasher/
mkdir weights
cd weights/
wget
https://github.com/serengil/deepface_models/releases/download/v1.0/facenet51
2_weights.h5
wget
https://github.com/serengil/deepface_models/releases/download/v1.0/retinafac
e.h5
cd ..
mkdir -p /opt/visage/images
vi docker-compose.yaml
```

```
# adjust image folder in compose
docker-compose build
docker-compose up

#builder
cd ../builder
vi docker-compose.yaml
# adjust image folder in compose
docker-compose build
docker-compose up

#matcher
cd ../matcher
cp /opt/visage/images/face.db .
cp /opt/visage/images/face.json .
vi performers.json
{
"93aa1a98-e86e-47a2-b661-f5d703a6e727":"performer name"
}

docker-compose up
```

From:
http://wuff.dyndns.org/ - **Wulf's Various Things**

Permanent link:
http://wuff.dyndns.org/doku.php?id=howto:stashface

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