## Docker file



The following is the docker file I use for automated web testing using Selenium, Chromium and Python. It's the smallest I could get so far (565MB). However, if you know how to make it even sm please post in the comments, I would be very interested.

```
FROM python:3.8-slim-buster
   COPY every5min.py /root/every5min.py
COPY requirements.txt /root/requirements.txt
     # Ensure any piped commands exit on error
SHELL ["/bin/bash", "-o", "pipefail", "-c"]
     ENV PATH /usr/local/bin:$PATH
ENV LANG C.UTF-8
   EW LANG C.UTF-8

# Install the latest versions of Google Chrome and Chromedriver
# Patches Chrome launch script to disable /dev/ahm and sandbox for use in docker
RNN export DEMAN_FRONTEMPONINTENTIEVE abs_rear_toputopict

&& apt-get install --no-install-recommends --no-install-suggests --assume-yes \
uurl \
uurl \
unrip \
gnup \
unrip \
unrip \
locales \
locales \
locales \
vim \
dosZonix \
     cron \
vis \
dosZunix \
& CHROME_DOMNLOAD_URL='https://dl.google.com/linux' \
& CHROME_DOMNLOAD_URL='https://dl.google.com/linux' \
& CHROME_DOMNLOAD_URL-'https://dl.google.chrome-stable_current_amd64.deb" > /tmp/chrome.deb \
& curl -st. '$(CHROME_DOMNLOAD_URL)/risr(ropogle-chrome-stable_current_amd64.deb" > /tmp/chrome.deb \
# TODO find packages that cause fall before this and install first
& CHROMINE_OPTIONS_FILE_POT(exogle/chrome/google-chrome)
& CHROME_OPTIONS_FILE_POT(exogle/chrome/google-chrome)
& CHROME_OPTIONS_FILE_POT(exogle/chrome/google-chrome)
& CHROME_OPTIONS_FILE_POT(exogle-chrome)
& CHROME_OPTIONS_FILE_POS(exogle-chrome)
& CHROME
           RUN echo '*/5 * * * * /root/every5min.py' > /etc/crontabs/root
CMD [ "cron", "-1", "2", "-f" ]
```

This will create an image that will run cron, and every 5 minutes execute the script /root/every5min.pv.

## Python arguments

Just as a reminder, you need to set up the following variables in your chromedriver to have this work without a window manager.

```
chrome_options.add_argument('--disable-dev-shm-usage')
chrome_options.add_argument('--headless')
chrome_options.add_argument('--disable-gpu')
```

```
The whole function that returns my browser object looks like this:

def open_browser():
    fake_user_agent = faker()
    chrose_options = webf_twer. ChromsOptions()
    chrose_options = webf_twer. ChromsOptions()
    drose_options = defect = selections()
    blassling warring that browser is controlled by software.
    chrose_options.add.argument('-etasolate-infobars')
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```

There are some variables taken from other places like resolution, user-agent and language... but that's not part of this article.

```
That's it for now, was it helpful to you? Now get some coffee and maybe get me one too 🙂
Liked it ? Buy me a drink :)
```

## Comments



