

Installation

run:

```
./docker-wine --local
```

build: Dockerfile ./build.sh ubuntu-stable

Scripts de build

VERSION

```
2.0.1
```

build.sh

```
#!/bin/bash

if [ $# -lt 1 ]; then
    echo "ERROR: Please specify a build target"
    echo "e.g."
    echo "    $0 ubuntu-stable"
    exit 1
fi

BUILD_TARGET="$1"
VERSION=$(cat ./VERSION)

source ./build_args/${BUILD_TARGET}

docker build \
    --build-arg BUILD_DATE=$(date -u +'%Y-%m-%dT%H:%M:%SZ') \
    --build-arg GECKO_VER=$GECKO_VER \
    --build-arg GIT_REV=$(git rev-parse HEAD) \
    --build-arg IMAGE_VER=$VERSION \
    --build-arg MONO_VER=$MONO_VER \
    --build-arg WINE_VER=$WINE_VER \
    --build-arg WINEBRANCH=$WINEBRANCH \
    -t docker-wine:${WINEBRANCH}-${VERSION}-local \
    -t docker-wine .
```

build_args/ubuntu-stable

```
#!/bin/bash

export WINEBRANCH="stable"
export WINE_VER="4.0.1~bionic"
export MONO_VER="4.7.5"
export GECKO_VER="2.47"
```

Environnement Docker

DockerFile

```
FROM ubuntu:bionic
RUN export DEBIAN_FRONTEND="noninteractive" \
    && apt-get update \
    && apt-get install -y --no-install-recommends \
        apt-transport-https \
        ca-certificates \
        cabextract \
        gosu \
        gpg-agent \
        p7zip \
        pulseaudio-utils \
        software-properties-common \
        unzip \
        wget \
        winbind \
        zenity \
    && rm -rf /var/lib/apt/lists/*
ARG WINEBRANCH
ARG WINE_VER
RUN wget https://dl.winehq.org/wine-builds/winehq.key \
    && apt-key add winehq.key \
    && apt-add-repository "deb https://dl.winehq.org/wine-builds/ubuntu/
bionic main" \
    && dpkg --add-architecture i386 \
    && apt-get update \
    && apt-get install -y --install-recommends winehq-
${WINEBRANCH}=${WINE_VER}" \
    && rm -rf /var/lib/apt/lists/* \
    && rm winehq.key
# Download mono and gecko
ARG MONO_VER
ARG GECKO_VER
RUN mkdir -p /usr/share/wine/mono /usr/share/wine/gecko \
    && wget
https://dl.winehq.org/wine/wine-mono/${MONO_VER}/wine-mono-${MONO_VER}.msi \
    -O /usr/share/wine/mono/wine-mono-${MONO_VER}.msi \
    && wget
```

```

https://dl.winehq.org/wine/wine-gecko/${GECKO_VER}/wine_gecko-${GECKO_VER}-x
86.msi \
    -O /usr/share/wine/gecko/wine_gecko-${GECKO_VER}-x86.msi \
    && wget
https://dl.winehq.org/wine/wine-gecko/${GECKO_VER}/wine_gecko-${GECKO_VER}-x
86_64.msi \
    -O /usr/share/wine/gecko/wine_gecko-${GECKO_VER}-x86_64.msi
# Download winetricks
RUN wget
https://raw.githubusercontent.com/Winetricks/winetricks/master/src/winetricks
s \
    -O /usr/bin/winetricks \
    && chmod +rx /usr/bin/winetricks
# Create user and take ownership of files
RUN groupadd -g 1010 wineuser \
    && useradd --shell /bin/bash --uid 1010 --gid 1010 --create-home --home-
dir /home/wineuser wineuser \
    && chown -R wineuser:wineuser /home/wineuser
VOLUME /home/wineuser
COPY pulse-client.conf /etc/pulse/client.conf
COPY entrypoint.sh /usr/bin/entrypoint
WORKDIR /home/wineuser
ARG IMAGE_VER
ARG BUILD_DATE
ARG GIT_REV
LABEL \
    org.opencontainers.image.authors="scottyhardy
<scotthardy42@outlook.com>" \
    org.opencontainers.image.created="${BUILD_DATE}" \
    org.opencontainers.image.description="Docker image that includes Wine
and Winetricks for running Windows applications on Linux and macOS" \
    org.opencontainers.image.documentation="https://github.com/scottyhardy/docke
r-wine/blob/${IMAGE_VER}/README.md" \
    org.opencontainers.image.licenses="MIT" \
    org.opencontainers.image.revision="${GIT_REV}" \
    org.opencontainers.image.source="https://github.com/scottyhardy/docker-wine.
git" \
    org.opencontainers.image.title="docker-wine" \
    org.opencontainers.image.url="https://github.com/scottyhardy/docker-wine" \
    org.opencontainers.image.vendor="scottyhardy" \
    org.opencontainers.image.version="${IMAGE_VER}"
ENTRYPOINT ["/usr/bin/entrypoint"]
CMD ["/bin/bash"]

```

entrypoint.sh

```

#!/bin/bash

# Copy and take ownership of .Xauthority

```

```
if [ -f /root/.Xauthority ]; then
    cp /root/.Xauthority /home/wineuser
    chown wineuser:wineuser /home/wineuser/.Xauthority
fi

exec gosu wineuser "$@"
```

Scripts interactifs

docker-wine

```
FROM ubuntu:bionic
RUN export DEBIAN_FRONTEND="noninteractive" \
    && apt-get update \
    && apt-get install -y --no-install-recommends \
        apt-transport-https \
        ca-certificates \
        cabextract \
        gosu \
        gpg-agent \
        p7zip \
        pulseaudio-utils \
        software-properties-common \
        unzip \
        wget \
        winbind \
        zenity \
    && rm -rf /var/lib/apt/lists/*
ARG WINEBRANCH
ARG WINE_VER
RUN wget https://dl.winehq.org/wine-builds/winehq.key \
    && apt-key add winehq.key \
    && apt-add-repository "deb https://dl.winehq.org/wine-builds/ubuntu/
bionic main" \
    && dpkg --add-architecture i386 \
    && apt-get update \
    && apt-get install -y --install-recommends winehq-
${WINEBRANCH}=${WINE_VER}" \
    && rm -rf /var/lib/apt/lists/* \
    && rm winehq.key
# Download mono and gecko
ARG MONO_VER
ARG GECKO_VER
RUN mkdir -p /usr/share/wine/mono /usr/share/wine/gecko \
    && wget
https://dl.winehq.org/wine/wine-mono/${MONO_VER}/wine-mono-${MONO_VER}.msi \
    -O /usr/share/wine/mono/wine-mono-${MONO_VER}.msi \
```

```

    && wget
https://dl.winehq.org/wine/wine-gecko/${GECKO_VER}/wine_gecko-${GECKO_VER}-x
86.msi \
    -O /usr/share/wine/gecko/wine_gecko-${GECKO_VER}-x86.msi \
    && wget
https://dl.winehq.org/wine/wine-gecko/${GECKO_VER}/wine_gecko-${GECKO_VER}-x
86_64.msi \
    -O /usr/share/wine/gecko/wine_gecko-${GECKO_VER}-x86_64.msi
# Download winetricks
RUN wget
https://raw.githubusercontent.com/Winetricks/winetricks/master/src/winetrick
s \
    -O /usr/bin/winetricks \
    && chmod +rx /usr/bin/winetricks
# Create user and take ownership of files
RUN groupadd -g 1010 wineuser \
    && useradd --shell /bin/bash --uid 1010 --gid 1010 --create-home --home-
dir /home/wineuser wineuser \
    && chown -R wineuser:wineuser /home/wineuser
VOLUME /home/wineuser
COPY pulse-client.conf /etc/pulse/client.conf
COPY entrypoint.sh /usr/bin/entrypoint
WORKDIR /home/wineuser
ARG IMAGE_VER
ARG BUILD_DATE
ARG GIT_REV
LABEL \
    org.opencontainers.image.authors="scottyhardy
<scotthardy42@outlook.com>" \
    org.opencontainers.image.created="${BUILD_DATE}" \
    org.opencontainers.image.description="Docker image that includes Wine
and Winetricks for running Windows applications on Linux and macOS" \
    org.opencontainers.image.documentation="https://github.com/scottyhardy/docke
r-wine/blob/${IMAGE_VER}/README.md" \
    org.opencontainers.image.licenses="MIT" \
    org.opencontainers.image.revision="${GIT_REV}" \
    org.opencontainers.image.source="https://github.com/scottyhardy/docker-wine.
git" \
    org.opencontainers.image.title="docker-wine" \
    org.opencontainers.image.url="https://github.com/scottyhardy/docker-wine" \
    org.opencontainers.image.vendor="scottyhardy" \
    org.opencontainers.image.version="${IMAGE_VER}"
ENTRYPOINT ["/usr/bin/entrypoint"]
CMD ["/bin/bash"]

```

pulse-client.conf

```

# Connect to the host's server using the mounted UNIX socket
default-server = unix:/tmp/pulse-socket

```

```
# Prevent a server running in the container
autospawn = no
daemon-binary = /bin/true

# Prevent the use of shared memory
enable-shm = false
```

hooks

hooks/build

```
#!/bin/bash

source build_args/ubuntu-stable

echo "GECKO_VER = $GECKO_VER"
echo "IMAGE_VER = $(cat VERSION)"
echo "MONO_VER = $MONO_VER"
echo "WINE_VER = $WINE_VER"
echo "WINEBRANCH = $WINEBRANCH"

docker build \
  --build-arg BUILD_DATE=$(date -u +'%Y-%m-%dT%H:%M:%SZ') \
  --build-arg GECKO_VER=$GECKO_VER \
  --build-arg GIT_REV=$SOURCE_COMMIT \
  --build-arg IMAGE_VER=$(cat VERSION) \
  --build-arg MONO_VER=$MONO_VER \
  --build-arg WINE_VER=$WINE_VER \
  --build-arg WINEBRANCH=$WINEBRANCH \
  -f $DOCKERFILE_PATH \
  -t $IMAGE_NAME .
```

hooks/post_push

```
#!/bin/bash

source build_args/ubuntu-stable
VERSION=$(cat VERSION)

if [ "$SOURCE_BRANCH" == "dev" ]; then
  docker tag $IMAGE_NAME ${DOCKER_REPO}:dev-${WINEBRANCH}-${VERSION}
  docker push ${DOCKER_REPO}:dev-${WINEBRANCH}-${VERSION}
else
  docker tag $IMAGE_NAME ${DOCKER_REPO}:latest
  docker push ${DOCKER_REPO}:latest
```

```
docker tag $IMAGE_NAME ${DOCKER_REPO}:${WINEBRANCH}-${VERSION}
docker push ${DOCKER_REPO}:${WINEBRANCH}-${VERSION}
fi
```

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