

Dockerfile Examples

```
<!DOCTYPE html>
<html>
<body style="background-color:rgb(217, 250, 210);">

<h1>Welcome to DevOps Easy Learning</h1>
<h3>This is to test Nginx Web server at devopseasylearning.com</h3>

</body>
</html>
```

```
##https://docs.docker.com/develop/develop-images/multistage-build/
```

```
#Web content location in the container for HTTPD, NGINX AND TOMCAT
#HTTPD: /usr/local/apache2/htdocs/
#NGINX: /usr/share/nginx/html/
#TOMCAT: /usr/local/tomcat/webapps/
```

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```
FROM centos:latest
LABEL maintainer="Tia M"
RUN yum -y update && \
    yum -y install httpd
```

```
USER root
COPY index.html /var/www/html/
ENTRYPOINT ["/usr/sbin/httpd", "-D", "FOREGROUND"]
EXPOSE 80
```

```
# OR
```

```
FROM centos:latest
LABEL maintainer="Tia M"
RUN yum -y update && \
    yum -y install httpd
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FROM centos:latest
LABEL maintainer="Tia M"
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USER root
CMD ["/usr/sbin/httpd", "-D", "FOREGROUND"]
EXPOSE 80
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# </body>
# </html>
```

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```
FROM httpd
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip

WORKDIR /usr/local/apache2/htdocs/

RUN rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/covid19.zip && \
    unzip covid19.zip && \
    cp -R covid19/* . && \
    rm -rf covid19.zip && \
    rm -rf covid19

USER root
ENTRYPOINT ["httpd-foreground"]
EXPOSE 80
```

```
# OR
```

```
FROM httpd
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip && \
    cd /usr/local/apache2/htdocs/ && \
    rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/covid19.zip && \
    unzip covid19.zip && \
    cp -R covid19/* . && \
    rm -rf covid19.zip && \
    rm -rf covid19
```

```
USER root
ENTRYPOINT ["httpd-foreground"]
EXPOSE 80
```

OR

```
FROM httpd
ARG port=80
ARG user=root
LABEL maintainer="Tia M"
RUN apt -y update
RUN apt -y install wget
RUN apt -y install unzip
RUN cd /usr/local/apache2/htdocs/
RUN rm -rf *
RUN wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/covid19.zip
RUN unzip covid19.zip
RUN cp -R covid19/* .
RUN rm -rf covid19.zip
RUN rm -rf covid19
```

```
USER root
CMD ["httpd-foreground"]
EXPOSE 80
```

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```
FROM httpd
```

```
ARG port=80
ARG user=root
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip

WORKDIR /usr/local/apache2/htdocs/

RUN rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/static-website-example.zip && \
    unzip static-website-example.zip && \
    cp -R static-website-example/* . && \
    rm -rf static-website-example.zip && \
    rm -rf static-website-example

USER ${user}
ENTRYPOINT ["httpd-foreground"]
EXPOSE ${port}

# OR

FROM httpd
ARG port=80
ARG user=root
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip && \
    cd /usr/local/apache2/htdocs/ && \
    rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/static-website-example.zip && \
    unzip static-website-example.zip && \
    cp -R static-website-example/* . && \
    rm -rf static-website-example.zip && \
    rm -rf static-website-example

USER ${user}
ENTRYPOINT ["httpd-foreground"]
EXPOSE ${port}

# OR

FROM httpd
ARG port=80
ARG user=root
LABEL maintainer="Tia M"
RUN apt -y update
```

```
RUN apt -y install wget
RUN apt -y install unzip
RUN cd /usr/local/apache2/htdocs/
RUN rm -rf *
RUN wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/static-website-example.zip
RUN unzip static-website-example.zip
RUN cp -R static-website-example/* .
RUN rm -rf static-website-example.zip
RUN rm -rf static-website-example
```

```
USER ${user}
CMD ["httpd-foreground"]
EXPOSE ${port}
```

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```
FROM httpd
ARG port=80
ARG user=root
ARG WEB_DIRECTORY=static-website-example
```

```
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip
```

```
WORKDIR /usr/local/apache2/htdocs/
```

```
RUN rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/$WEB_DIRECTORY.zip && \
    unzip $WEB_DIRECTORY.zip && \
    cp -R $WEB_DIRECTORY/* . && \
    rm -rf $WEB_DIRECTORY.zip && \
    rm -rf $WEB_DIRECTORY
```

```
USER ${user}
ENTRYPOINT ["httpd-foreground"]
EXPOSE ${port}
```

```
# OR
```

```

FROM httpd

ARG WEB_DIRECTORY=covid19
ARG port=80
ARG user=root
LABEL maintainer="Tia M"
RUN apt -y update && \
    apt -y install wget && \
    apt -y install unzip

WORKDIR /usr/local/apache2/htdocs/

RUN rm -rf * && \
    wget https://linux-devops-course.s3.amazonaws.com/WEB+SIDE+HTML
/$WEB_DIRECTORY.zip && \
    unzip $WEB_DIRECTORY.zip && \
    cp -R $WEB_DIRECTORY/* . && \
    rm -rf $WEB_DIRECTORY.zip && \
    rm -rf $WEB_DIRECTORY

USER ${user}
ENTRYPOINT ["httpd-foreground"]
EXPOSE ${port}
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FROM tomcat
ARG port=8080
ARG user=root
LABEL maintainer="Tia M"
ADD https://warfiles-for-docker.s3.amazonaws.com/addressbook.war /usr
/local/tomcat/webapps/
USER ${user}
ENTRYPOINT ["catalina.sh", "run"]
EXPOSE ${port}

FROM tomcat
LABEL maintainer="Tia M"
WORKDIR /usr/local/tomcat/webapps
RUN wget https://warfiles-for-docker.s3.amazonaws.com/addressbook.war
CMD ["catalina.sh", "run"]

```

EXPOSE 8080

```
FROM tomcat
LABEL maintainer="Tia M"
RUN cd /usr/local/tomcat/webapps && \
    wget https://warfiles-for-docker.s3.amazonaws.com/addressbook.war
CMD ["catalina.sh", "run"]
EXPOSE 8080
```

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FROM centos
ARG user=jenkins
ARG group=jenkins
ARG uid=1000
ARG gid=1000
ARG JENKINS_HOME=/var/jenkins_home
```

ENV TIA_HOME /var/tia/devops

```
RUN mkdir -p $JENKINS_HOME \
    && chown ${uid}:${gid} $JENKINS_HOME \
    && groupadd -g ${gid} ${group} \
    && useradd -d "$JENKINS_HOME" -u ${uid} -g ${gid} -s /bin/bash
${user}
```

USER \${user}

#

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FROM tomcat:latest
LABEL maintainer="Tia M"
WORKDIR /opt
RUN mkdir pebble
WORKDIR /opt/pebble
RUN wget http://prdownloads.sourceforge.net/pebble/pebble-2.6.4.zip?
download
RUN unzip -q pebble-2.6.4.zip\?download
RUN rm -rf /usr/local/tomcat/webapps/*
RUN cd /opt/pebble/pebble-2.6.4 && cp -r pebble-2.6.4.war /usr/local
/tomcat/webapps
RUN cd /usr/local/tomcat/webapps && mv pebble-2.6.4.war pebble.war
RUN cd /opt && rm -rf pebble
EXPOSE 8080
```

```
CMD ["catalina.sh", "run"]

#
-----

FROM stakater/oracle-jdk:8u152-alpine-3.7

LABEL Stakater Team

## Arguments

ARG USER=jenkins
ARG GROUP=jenkins
# why 386? Please read: https://github.com/jenkinsci/docker/issues
/112#issuecomment-228553691
ARG UID=386
ARG GID=386
ARG HTTP_PORT=8080
ARG AGENT_PORT=50000
ARG JENKINS_VERSION=2.95
# This can be used to customize where jenkins.war get downloaded from:
ARG JENKINS_URL=https://repo.jenkins-ci.org/public/org/jenkins-ci/main
/jenkins-war/${JENKINS_VERSION}/jenkins-war-${JENKINS_VERSION}.war
ARG INSTALL_PLUGINS=ace-editor:1.1,async-http-client:1.7.24.1,ant:1.5,
antisamy-markup-formatter:1.5,ansicolor:0.5.2,authentication-tokens:1.3,
blueocean-autofavorite:1.0.0,blueocean-commons:1.3.5,blueocean-config:
1.3.5,blueocean-dashboard:1.3.5,blueocean-display-url:2.1.0,blueocean-
events:1.3.5,blueocean-git-pipeline:1.3.5,blueocean-github-pipeline:
1.3.5

## Environment Variables

ENV JENKINS_USER ${USER}
ENV INSTALL_PLUGINS ${INSTALL_PLUGINS}
ENV IMAGE_CONFIG_DIR /usr/local/bin
ENV JENKINS_WAR_PATH /usr/share/jenkins
ENV JENKINS_HOME /var/jenkins_home
ENV JENKINS_SLAVE_AGENT_PORT ${AGENT_PORT}
# jenkins version being bundled in this docker image
ENV JENKINS_VERSION ${JENKINS_VERSION}
ENV JENKINS_UC https://updates.jenkins.io
ENV JENKINS_UC_EXPERIMENTAL https://updates.jenkins.io/experimental
ENV COPY_REFERENCE_FILE_LOG $JENKINS_HOME/copy_reference_file.log

RUN apk add --no-cache git openssh-client curl unzip bash ttf-dejavu
coreutils gettext
```



```
# Jenkins is run with USER `jenkins`, UID = 386
# If you bind mount a volume from the host or a data container,
# ensure you use the same UID; and then things will work happily!
RUN addgroup -g ${GID} ${GROUP} \
    && adduser -h "$JENKINS_HOME" -u ${UID} -G ${GROUP} -s /bin/bash -D
${USER}

# Jenkins home directory is a volume, so configuration and build history
# can be persisted and survive image upgrades
VOLUME /var/jenkins_home

# `/usr/share/jenkins/ref/` contains all reference configuration we want
# to set on a fresh new installation. Use it to bundle additional
plugins
# or config file with your custom jenkins Docker image.
RUN mkdir -p /usr/share/jenkins/ref/init.groovy.d

## This is used to modify the jenkins slave agent port to 5000 as
specified in JENKINS_SLAVE_AGENT_PORT env
COPY init.groovy /usr/share/jenkins/ref/init.groovy.d/tcp-slave-agent-
port.groovy

# could use ADD but this one does not check Last-Modified header
neither does it allow to control checksum
# see https://github.com/docker/docker/issues/8331
RUN curl -fsSL ${JENKINS_URL} -o ${JENKINS_WAR_PATH}/jenkins.war

## Expose

# for main web interface:
EXPOSE ${HTTP_PORT}
# will be used by attached slave agents:
EXPOSE ${AGENT_PORT}

COPY ./contrib ${IMAGE_CONFIG_DIR}

# Make daemon service dir for jenkins and place file
# It will be started and maintained by the base image
RUN mkdir -p /etc/service/jenkins
COPY ./contrib/run.sh /etc/service/jenkins/run
```