### tomcat

#### 启动镜像

Dockerfile

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| --- |
| FROM openjdk:8-jre  ENV CATALINA\_HOME /usr/local/tomcat  ENV PATH $CATALINA\_HOME/bin:$PATH  RUN mkdir -p "$CATALINA\_HOME"  WORKDIR $CATALINA\_HOME  # let "Tomcat Native" live somewhere isolated  ENV TOMCAT\_NATIVE\_LIBDIR $CATALINA\_HOME/native-jni-lib  ENV LD\_LIBRARY\_PATH ${LD\_LIBRARY\_PATH:+$LD\_LIBRARY\_PATH:}$TOMCAT\_NATIVE\_LIBDIR  # runtime dependencies for Tomcat Native Libraries  # Tomcat Native 1.2+ requires a newer version of OpenSSL than debian:jessie has available  # > checking OpenSSL library version >= 1.0.2...  # > configure: error: Your version of OpenSSL is not compatible with this version of tcnative  # see http://tomcat.10.x6.nabble.com/VOTE-Release-Apache-Tomcat-8-0-32-tp5046007p5046024.html (and following discussion)  # and https://github.com/docker-library/tomcat/pull/31  ENV OPENSSL\_VERSION 1.1.0f-3+deb9u2  RUN set -ex; \  currentVersion="$(dpkg-query --show --showformat '${Version}\n' openssl)"; \  if dpkg --compare-versions "$currentVersion" '<<' "$OPENSSL\_VERSION"; then \  if ! grep -q stretch /etc/apt/sources.list; then \  # only add stretch if we're not already building from within stretch  { \  echo 'deb http://deb.debian.org/debian stretch main'; \  echo 'deb http://security.debian.org stretch/updates main'; \  echo 'deb http://deb.debian.org/debian stretch-updates main'; \  } > /etc/apt/sources.list.d/stretch.list; \  { \  # add a negative "Pin-Priority" so that we never ever get packages from stretch unless we explicitly request them  echo 'Package: \*'; \  echo 'Pin: release n=stretch\*'; \  echo 'Pin-Priority: -10'; \  echo; \  # ... except OpenSSL, which is the reason we're here  echo 'Package: openssl libssl\*'; \  echo "Pin: version $OPENSSL\_VERSION"; \  echo 'Pin-Priority: 990'; \  } > /etc/apt/preferences.d/stretch-openssl; \  fi; \  apt-get update; \  apt-get install -y --no-install-recommends openssl="$OPENSSL\_VERSION"; \  rm -rf /var/lib/apt/lists/\*; \  fi  RUN apt-get update && apt-get install -y --no-install-recommends libapr1 \  && rm -rf /var/lib/apt/lists/\*  # see https://www.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/KEYS  # see also "update.sh" (https://github.com/docker-library/tomcat/blob/master/update.sh)  ENV GPG\_KEYS 05AB33110949707C93A279E3D3EFE6B686867BA6 07E48665A34DCAFAE522E5E6266191C37C037D42 47309207D818FFD8DCD3F83F1931D684307A10A5 541FBE7D8F78B25E055DDEE13C370389288584E7 61B832AC2F1C5A90F0F9B00A1C506407564C17A3 713DA88BE50911535FE716F5208B0AB1D63011C7 79F7026C690BAA50B92CD8B66A3AD3F4F22C4FED 9BA44C2621385CB966EBA586F72C284D731FABEE A27677289986DB50844682F8ACB77FC2E86E29AC A9C5DF4D22E99998D9875A5110C01C5A2F6059E7 DCFD35E0BF8CA7344752DE8B6FB21E8933C60243 F3A04C595DB5B6A5F1ECA43E3B7BBB100D811BBE F7DA48BB64BCB84ECBA7EE6935CD23C10D498E23  ENV TOMCAT\_MAJOR 8  ENV TOMCAT\_VERSION 8.5.32  ENV TOMCAT\_SHA512 fc010f4643cb9996cad3812594190564d0a30be717f659110211414faf8063c61fad1f18134154084ad3ddfbbbdb352fa6686a28fbb6402d3207d4e0a88fa9ce  ENV TOMCAT\_TGZ\_URLS \  # https://issues.apache.org/jira/browse/INFRA-8753?focusedCommentId=14735394#comment-14735394  https://www.apache.org/dyn/closer.cgi?action=download&filename=tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz \  # if the version is outdated, we might have to pull from the dist/archive :/  https://www-us.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz \  https://www.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz \  https://archive.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz  ENV TOMCAT\_ASC\_URLS \  https://www.apache.org/dyn/closer.cgi?action=download&filename=tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz.asc \  # not all the mirrors actually carry the .asc files :'(  https://www-us.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz.asc \  https://www.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz.asc \  https://archive.apache.org/dist/tomcat/tomcat-$TOMCAT\_MAJOR/v$TOMCAT\_VERSION/bin/apache-tomcat-$TOMCAT\_VERSION.tar.gz.asc  RUN set -eux; \  \  savedAptMark="$(apt-mark showmanual)"; \  apt-get update; \  \  apt-get install -y --no-install-recommends gnupg dirmngr; \  \  export GNUPGHOME="$(mktemp -d)"; \  for key in $GPG\_KEYS; do \  gpg --keyserver ha.pool.sks-keyservers.net --recv-keys "$key"; \  done; \  \  apt-get install -y --no-install-recommends wget ca-certificates; \  \  success=; \  for url in $TOMCAT\_TGZ\_URLS; do \  if wget -O tomcat.tar.gz "$url"; then \  success=1; \  break; \  fi; \  done; \  [ -n "$success" ]; \  \  echo "$TOMCAT\_SHA512 \*tomcat.tar.gz" | sha512sum -c -; \  \  success=; \  for url in $TOMCAT\_ASC\_URLS; do \  if wget -O tomcat.tar.gz.asc "$url"; then \  success=1; \  break; \  fi; \  done; \  [ -n "$success" ]; \  \  gpg --batch --verify tomcat.tar.gz.asc tomcat.tar.gz; \  tar -xvf tomcat.tar.gz --strip-components=1; \  rm bin/\*.bat; \  rm tomcat.tar.gz\*; \  rm -rf "$GNUPGHOME"; \  \  nativeBuildDir="$(mktemp -d)"; \  tar -xvf bin/tomcat-native.tar.gz -C "$nativeBuildDir" --strip-components=1; \  apt-get install -y --no-install-recommends \  dpkg-dev \  gcc \  libapr1-dev \  libssl-dev \  make \  "openjdk-${JAVA\_VERSION%%[.~bu-]\*}-jdk-headless=$JAVA\_DEBIAN\_VERSION" \  "openjdk-${JAVA\_VERSION%%[.~bu-]\*}-jdk=$JAVA\_DEBIAN\_VERSION" \  ; \  ( \  export CATALINA\_HOME="$PWD"; \  cd "$nativeBuildDir/native"; \  gnuArch="$(dpkg-architecture --query DEB\_BUILD\_GNU\_TYPE)"; \  ./configure \  --build="$gnuArch" \  --libdir="$TOMCAT\_NATIVE\_LIBDIR" \  --prefix="$CATALINA\_HOME" \  --with-apr="$(which apr-1-config)" \  --with-java-home="$(docker-java-home)" \  --with-ssl=yes; \  make -j "$(nproc)"; \  make install; \  ); \  rm -rf "$nativeBuildDir"; \  rm bin/tomcat-native.tar.gz; \  \  # reset apt-mark's "manual" list so that "purge --auto-remove" will remove all build dependencies  apt-mark auto '.\*' > /dev/null; \  [ -z "$savedAptMark" ] || apt-mark manual $savedAptMark; \  apt-get purge -y --auto-remove -o APT::AutoRemove::RecommendsImportant=false; \  rm -rf /var/lib/apt/lists/\*; \  \  # sh removes env vars it doesn't support (ones with periods)  # https://github.com/docker-library/tomcat/issues/77  find ./bin/ -name '\*.sh' -exec sed -ri 's|^#!/bin/sh$|#!/usr/bin/env bash|' '{}' +  # verify Tomcat Native is working properly  RUN set -e \  && nativeLines="$(catalina.sh configtest 2>&1)" \  && nativeLines="$(echo "$nativeLines" | grep 'Apache Tomcat Native')" \  && nativeLines="$(echo "$nativeLines" | sort -u)" \  && if ! echo "$nativeLines" | grep 'INFO: Loaded APR based Apache Tomcat Native library' >&2; then \  echo >&2 "$nativeLines"; \  exit 1; \  fi  EXPOSE 8080  CMD ["catalina.sh", "run"] |
| docker build -t litongjava/tomcat .  docker push litongjava/tomcat |

启动镜像

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| --- |
| docker run -dit --restart=always --name=hg\_tomcat -p 1024:8080 \  -v /dv/hg\_tomcat/logs:/usr/local/tomcat/logs \  litongjava/tomcat |

#### 启动镜像

设置u/p

vi /dv/hgzj\_tomcat/conf/tomcat-users.xml

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <tomcat-users xmlns="http://tomcat.apache.org/xml"  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  xsi:schemaLocation="http://tomcat.apache.org/xml tomcat-users.xsd"  version="1.0">  <role rolename="manager-script"/>  <role rolename="manager-gui"/>  <user username="admin" password="admin" roles="manager-script,manager-gui"/>  </tomcat-users> |

不限制文件上传IP

vi /dv/hgzj\_tomcat/conf/Catalina/localhost/manager.xml

|  |
| --- |
| <Context privileged="true" antiResourceLocking="false" docBase="${catalina.home}/webapps/manager">  <Valve className="org.apache.catalina.valves.RemoteAddrValve" allow="^.\*$" />  </Context> |

启动命令

|  |
| --- |
| docker run -dit --restart=always --name=hgzj\_tomcat --privileged=true -p 1037:8080 \  -v /dv/hgzj\_tomcat/conf/tomcat-users.xml:/usr/local/tomcat/conf/tomcat-users.xml \  -v /dv/hgzj\_tomcat/conf/Catalina/localhost/manager.xml:/usr/local/tomcat/conf/Catalina/localhost/manager.xml \  -v /dv/hgzj\_tomcat/logs:/usr/local/tomcat/logs \  litongjava/tomcat |

manager的web.xml默认上传限制在50M

/usr/local/tomcat/webapps/manager/WEB-INF/web.xml 文件上传大小

|  |
| --- |
| <max-file-size>52428800</max-file-size>  <max-request-size>52428800</max-request-size> |

执行下面的命令,会所有替换

|  |
| --- |
| sed -i.ori "s#52428800#524288000#" /usr/local/tomcat/webapps/manager/WEB-INF/web.xml |

然后重启容器