Title: I am trying to perform mvn install from Dockerfile but it is not working says mvn not found
Post Body:

I am trying to perform "mvn install" to create war file from Dockerfile. Bellow is the Dockerfile

```
FROM scratch FROM ubuntu:16.04  RUN mkdir /opt/java8 RUN mkdir /opt/tomcat8 RUN mkdir /opt/maven3  ENV JAVA_HOME /opt/java8 EN
```

I also added the path of bin directory of maven in PATH environment variable.

PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/home/veni/Documents/apache-maven-3.3.9/bin/

This path I set from root user in my machine, I also added same path in PATH variable as normal user already.

So now I exit from root user and come back by sudo su to be root user and check PATH variable, it has not path of maven

So when I make docker build of image I get the bellow error

/bin/sh: 1: mvn: not found The command '/bin/sh -c mvn install' returned a non-zero code: 127

Accepted Answer: None
Highest Rated Answer:

Given that you want to run your application in a Tomcat 8 Docker container:

Your maven project should be laid out like:

M_UserTP
+ Dockerfile
+ pom.xml
+ src
+ target

This is a standard maven layout plus your Dockerfile.

Ensure that your pom.xml contains the following `finalName` defined in it:

```
<build>     <finalName>${project.artifactId}</finalName>     ... </build>
```

Your Dockerfile can be really simple:

```
FROM tomcat:8.0     COPY target/M_UserTP.war $CATALINA_HOME/webapps/
```

(Note how the finalName is used by the Dockerfile)

To build it, execute:

```
mvn clean install && docker build . -t Bhoot/M_UserTP
```

You can use what ever `-t` tag that you want.

It will take some time the first time that you do this while the standard Tomcat 8 image is downloaded.

Now you can run it:

```
docker run --detach --publish 8080:8080 Bhoot/M_UserTP
```

> You don't really want to build your WAR file in the docker image. This will suck all the maven repository components used by maven to build your application into the image. This space is not recoverable as images will only ever grow - they never shrink again.