How to set up an environment variable in mvn pom?

How can i set up an environment variable (in other words internally accessible by `System.getenv("APP_HOME")` in a pom file?

```
APP_HOME=/path/home
```

I realize i can set it up in `.profile` , but wonder if pom can do the same trick.

Per bmargulies's suggestion below, i tried the following, without luck

```xml
<build>
    <finalName>KvpStore</finalName>
    <plugins>
        <plugin>
            <artifactId>maven-compiler-plugin</artifactId>
            <version>2.3.2</version>
            <configuration>
                <source>1.6</source>
                <target>1.6</target>
                <encoding>UTF-8</encoding>
            </configuration>
        </plugin>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-surefire-plugin</artifactId>
            <version>2.12.4</version>
            <configuration>
                <includes>
                    <include>**/*Test*.java</include>
                </includes>
                <environmentVariables>
                    <APP_NAME>blah_blah</APP_NAME>   <-----------------------
                </environmentVariables>
            </configuration>
        </plugin>
    </plugins>
</build>
```

`maven`   `pom.xml`

edited Dec 26 '12 at 2:00   asked Dec 25 '12 at 1:31
Brent Worden   Jam
6,531   7   28   42   **21.2k**   61   204   350

2 Answers

The [documentation of the maven-surefire-plugin](#) show examples and describes how to do such things of setting up system properties.

```xml
<configuration>
  <systemPropertyVariables>
    <propertyName>propertyValue</propertyName>
    <buildDirectory>${project.build.directory}</buildDirectory>
    [...]
  </systemPropertyVariables>
</configuration>
```

It might be better to use them instead of environment variable, cause it's simpler to use them, cause env variable needed to setup correctly and the cmd.exe and the jvm must be restarted to get them working.

It is not necessary to configure the includes for the tests, cause [maven-surefire-plugin](#) has already the following defaults:

```xml
<includes>
```

```
  <include>**/Test*.java</include>
  <include>**/*Test.java</include>
  <include>**/*TestCase.java</include>
</includes>
```

edited Dec 25 '12 at 13:59   answered Dec 25 '12 at 9:30

khmarbaise
41k   6   51   87

10   The OP asked for env vars, not Java system properties. – bmargulies Dec 25 '12 at 13:32

I know but env variables make more problems than system properties. – khmarbaise Dec 25 '12 at 13:46

I guess that he or she is launching processes that really read env vars. – bmargulies Dec 25 '12 at 13:47

This worked as expected. Thank you very much khmarbaise! – Jam Dec 25 '12 at 14:50

Some plugins, like surefire, let you set them. There's no way, in general, in the pom.

The doc for surefire is is here. Surefire will set environment variables for the duration of the run of the tests, not for anything else. And you have to make surefire fork.

In the configuration ...

```
<configuration>
   <forkMode>always</forkMode>
   <environmentVariables>
       <var1>val1</var1>
   </environmentVariables>
</configuration>
```

edited Aug 7 '14 at 7:52   answered Dec 25 '12 at 2:11

Stephan202   bmargulies
33.9k   6   80   116   **60.7k**   23   109   216

Hmm .. does not seem to work. I assume <var> is the name of the key? – Jam Dec 25 '12 at 2:39

1   Use mvn -X to check what's happening. – bmargulies Dec 25 '12 at 13:33

Have you restarted the cmd.exe before trying this ? Are you calling from command line or from Eclipse ? – khmarbaise Dec 25 '12 at 13:48

1   This won't side-effect the command-line or anywhere else. It will only effect the tests. – bmargulies Dec 25 '12 at 13:49

if forkmode is disabled, you can use systemPropertyVariables instead to make it work. but make sure to read it via getProperty and not getEnv – mrida May 14 '15 at 7:47