

DST AND TIMEZONE REFERENCE DATABASE UPDATE

Introduction:

Since DST policy is set by national and regional governments, changes in DST policy occur at different times in different countries. Some countries are currently extending their DST periods, thereby changing the dates on which DST will come into effect in a given year. Some countries do not implement any DST at all. So, regardless of where in the world you live, you should anticipate that changes in DST and timezone rules might occur at some point, and be ready to adjust clocks accordingly on the approved dates when these decisions are made. For Java technology-based applications that need to know the exact time in a given location.

In the absence of a single international body to keep track of the different timezones and the DST rules applied in each of them, the most widely used and respected body is the TZ Database, also known as the Olson Timezone Database. The Olson Timezone Database provides regular distributions of its data to reflect any recent changes in the timezone boundaries or DST rules that are applied in different countries or regions throughout the world.

<http://java.sun.com/javase/timezones/>

Problem with DST:

If you are using a Java technology-based application, then its knowledge of DST and timezones will be valid and current at the time of implementation. If your country/location has more recently changed when DST will be applied, then your Java technology-based application will not know about this recent change.

Solution to DST changes:

The Java technology-based application needs to be updated with the latest DST and timezone information contained in the in the Olson Timezone Database using the TZUpdater tool. http://java.sun.com/javase/tzupdater_README.html

Step1:

Download the tool from the Temp^oTrack™ support web site:

<http://www.temptrack.com.au/Support.htm>

Create a TZUpdater folder in your TempTrack directory and store the TZUpdater.jar file in this directory.

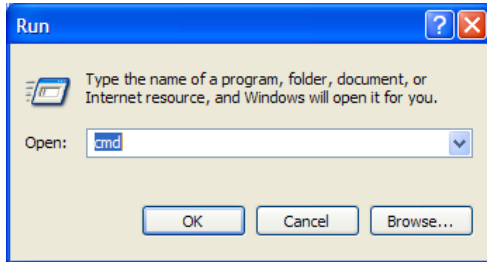
In later releases of the Temp^oTrack™ software (V 4.0 onwards), the download files are stored within the tools subdirectory on your Temp^oTrack™ installation CD provided.

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Step2:

Open a DOS shell and run the TZupdater tool.

Click on **Start**, select the **Run** icon, type in **cmd** and click **OK**. A DOS Shell will be started.



Type in the command

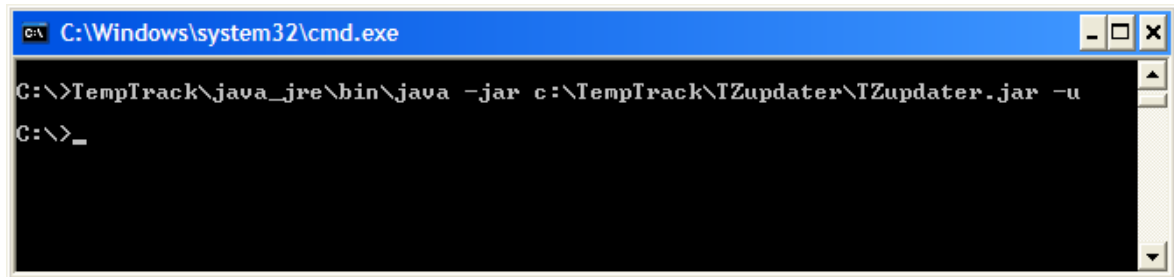
```
<install dir>\ java_jre\bin\java -jar <tzupdater>\TZupdater.jar -u
```

where

<install dir> - the directory where the TEMPTrack software application is installed.

<tzupdater> - the path to where you have stored the TZupdater.jar file –
eg. C:\TempTrack\TZupdater

Example:



where

<install dir> is TempTrack

<tzupdater> is the path c:\TempTrack\TZupdater

The Olson Time zone database will be updated with the latest DST information.