Archived:Getting the current time is timezone dependent on S60 2nd Edition (Known Issue)

Archived: This article is **archived** because it is not considered relevant for third-party developers creating commercial solutions today. If you think this article is still relevant, let us know by adding the template {{ReviewForRemovalFromArchive|user=~~~~|*write your reason here*}}.

The article is believed to be still valid for the original topic scope.

Description

CLDC 1.0 specification requires the method `System.currentTimeMillis()` to return the time in UTC (GMT).

Because some earlier phone models supported only time zone UTC, MIDlet programmers did not always take the difference between UTC and local time into account. MIDlets did work correctly assuming that the returned value was in local time, without even checking time zone settings.

In the Nokia 6600 device such existing MIDlets might behave differently, using UTC instead of local time as expected in many use cases.

Solution

Use a Calendar object to get the local time.

```
Calendar calendar = Calendar.getInstance() ;  // uses default TimeZone
Calendar.setTime( new Date( System.currentTimeMillis()) ;
```

Note: The phone user can set the time zone as follows:

1. By turning the automatic time update on. This is a network service and is not supported in all networks.
2. By setting the time zone manually in the Clock application or under Settings / Date & Time.

MIDlet programmers should be aware that Java applications are just about the only application in the phone that uses the time zone. Thus, users might have incorrect time zone settings in their phone without being aware of it.

(C) Copyright Nokia 2014. All rights reserved.