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Overview

Difference in SMS and PushRegistry behavior in Series 40 and S60

Description

When a MIDlet registers SMS connections with PushRegistry, the behavior is different in Series 40 and S60. The problem can be reproduced by using the Forum Nokia example MIDP 2.0: Wireless Messaging API Example.

It is possible to initiate a MIDlet ([WMAExample.zip](#) in this case) with an SMS and retrieve its contents in many phone models, such as the Nokia 6101 (Series 40) and many other MIDP 2.0 models, but the same application cannot retrieve the SMS content if you try to run it on an S60 device (such as the Nokia 6600 and the Nokia N90).

Using `PushRegistry.listConnections()` prior to the call to the `listen()` method solves the problem. This should be the correct behavior, as this kind of code is the standard method for all types of PushRegistry-activated MIDlets to check the way they were started.

Series 40 may have a different implementation behavior as it is a different operating system; some significant differences are known, especially for the PushRegistry.

In Series 40, `notifyIncomingMessage` method is called when the MIDlet starts up, so the developer can retrieve the content of the message within this method. In S60, this method is not called, and the MIDlet has to use `PushRegistry.listConnections(true)` within `startApp()` method in order to perform the same operation. [WMAExample.zip](#) is an Eclipse project with an updated `WMAExample.java`, adding to the `startApp()` method the needed check for connections and messages that may be pending in the PushRegistry.