

Getting Cell ID in Java ME

Overview

This code snippet demonstrates how to get the mobile cell ID by using Nokia system properties in Series 40 and S60 devices. Note that a different system property is used to get the cell ID in Series 40 and S60 devices:

Platform Version	Security Domain	System property
Series 40 3rd Edition, FP1 up to Series 40 5th Edition	Manufacturer / Operator	<code>System.getProperty("Cell-ID")</code>
Series 40 5th Edition, FP1 up to Series 40 6th Edition FP1	Manufacturer / Operator	<code>System.getProperty("com.nokia.mid.cellid")</code>
S60 3rd Edition, FP2 (or newer)	Untrusted 3rd party	<code>System.getProperty("com.nokia.mid.cellid")</code>
Series 40 Developer Platform 1.0 (or newer)	Untrusted 3rd party	<code>System.getProperty("com.nokia.mid.cellid")</code>

 Note: Signing in the manufacturer domain practically means that the property is inaccessible to 3rd party developers. Please ensure that your device belongs to a platform where the system property is available in the untrusted 3rd party domain

Source

```
import javax.microedition.midlet.*;
import javax.microedition.lcdui.*;

public class CellIDMIDlet extends MIDlet implements CommandListener {
    private Form form;
    private Command exitCommand;
    private String old_cell_id; // Old cell id property for some Series 40 devices
    private String new_cell_id; // New cell id property for the latest Series 40 and
    Symbian devices

    public void startApp() {
        form = new Form("Getting Cell ID");
        old_cell_id = System.getProperty("Cell-ID");
        new_cell_id = System.getProperty("com.nokia.mid.cellid");
        form.append("Old System Property: " + old_cell_id + "\n");
        form.append("New System Property: " + new_cell_id);
        exitCommand = new Command("Exit", Command.EXIT, 1);
        form.setCommandListener(this);
        form.addCommand(exitCommand);
        Display.getDisplay(this).setCurrent(form);
    }

    public void pauseApp() {
    }
}
```

```
public void destroyApp(boolean unconditional) {  
}  
  
public void commandAction(Command c, Displayable d) {  
    if (c == exitCommand) this.notifyDestroyed();  
}  
}
```

Postconditions

When the MIDlet is run in either a Series 40 or S60 device, a cell ID should be shown on the Form (one will have a numeric value and another will have 'null').

See also

[Java ME System properties](#)