

# ESWT

This article provides an overview about eSWT, an open source widget toolkit for Java used to construct portable user interfaces.



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ESWT is a deprecated UI framework. It is not present on Series 40 and on Symbian there are better maintained UI frameworks for most functionality (e.g. LWUIT).

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## Overview



eSWT stands for Embedded Standard Widget Toolkit. It is an open source widget toolkit for Java designed to provide efficient, portable access to the user-interface facilities of the devices on which it is implemented. It is co-developed by Nokia, IBM and others in the [eRCP Eclipse foundation project](#).

Its [API](#) is a subset of desktop SWT API developed also in Eclipse. Additionally eSWT also contains **Mobile Extensions for SWT** package containing new APIs specially designed for mobile UIs in mind.

For [Java ME](#) eSWT provides rich UI functionality:

- rich component set,
- flexible layouts, freely positionable components,
- rich UI events, and
- rich access to native UI functionality on-par with smartphone UI frameworks.

**eSWT** is designed so that it can both be implemented in [CLDC](#) and [CDC](#). It is thus possible to implement that in any Java MIDP device. S60 3rd Edition FP2 will have eSWT accessible in S60 Java for normal MIDlets. In this case it is a complementary UI toolkit for MIDP's LCDUI toolkit.

eSWT is also integral part eRCP (Embedded Rich Client Platform), a new rich application model being currently developed in Eclipse. In other words eSWT can be a standalone UI toolkit or provided as part of eRCP.

Javadoc for the eSWT API can be downloaded from the [eRCP](#) page.

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## Resources

- [How to use eSWT with MIDlets from eRCP Wiki](#)
- [S60 3rd Edition FP2 SDK \(includes eSWT\)](#)
- [S60 eSWT announcement](#)
- [Taking S60 Java Platform user interface capabilities to the next level](#)
- [eSWT Widget Gallery](#)

