

J2ME Programming

Welcome to the J2ME Programming book at wikibooks. This book not only covers the MIDP device programming; but, also the full J2ME Platform. J2ME Programming is still a "work in progress".

- Introduction

Getting Started

Here you will find tutorials, tool listings, and etc.

- Statements
- Device Databases
 - MIDP(Mobile Information Device Profile)
 - MIDP Device Databases



API(Profile) Summaries

Generally, the APIs of a family of devices is an API(Profile) or APIs(Profiles) on top of the language definition(configuration profile). The Profiles(APIs):

- MIDP1.0
- MIDP2.0

JVM Features

In J2ME small devices performance of the JVM also contributes to how the language definition is implemented. For a clear picture view this article:

- Java Virtual Machines in MIDP Devices

Consumer Platform Technologies

Often, in order to understand what optional APIs are used with specific devices we need to understand the underlying consumer platform in which our J2ME technology is in fact implemented. For example, if you know the SymbianOS version of a SymbianOS powered device than you have a clear idea what optional J2ME APIs are included on that device.

As Mobile Operating Systems and CPUs merge than it becomes important to also know what CPU is in the device or even what cellular network or network infrastructure the device is connected or interfaces with in its operation. thus, this section covers operating systems, CPUs, and network infrastructure as it relates to J2ME programming and J2ME application development.

- Operating Systems
 - The J2ME Platform on SymbianOS
 - The J2ME Platform on Qualcomm Brew
 - The J2ME Platform on PalmOS
 - The J2ME Platform on MS Windows Mobile
- JVMs by OEM

- IBM's J9 WEME
- Esmertec's Jbed
- Tao Group's Intent
- Aplx's JBlend
- Access JV-Lite2
- Aromasoft's mTea AROMA-WIPI
- Beijing ZRRT Communications Technology UniJa-VM
- Philips J-Ware
- Motorola JVMs
- Hardware
- Cellular Network Technology

Build System Design

All aspects of the J2ME Platform whether you are targeting MIDP devices or set boxes in iTV require some modifications and new tricks in build system design:

Appendices

- The J2ME Platform
- JVMs in MIDP
- MIDlet Preverify
- Connected Limited Device Configuration

See Also

- Wikibooks
 - Java

Authors and Contributors

This wikibook has been written by:

- Fred Grott (Contributions)
- DJ Clayworth ^[1] (Definition reworking/editing when this was a wikipedia set of articles)

To contribute read Contributing

References

[1] http://en.wikipedia.org/wiki/User:DJ_Clayworth

Article Sources and Contributors

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