



WSDD

The IBM Java integrated development environment for embedded systems

All our Java développement solutions are based on IBM's [Websphere Studio Device Developer](#) (WSDD). This tools provides a complete development environment for embedded devices. It is delivered in a standard configuration as a basis for our JDEs:

1. Comprehensive yet easy-to-use IDE Core:
 - o Graphical User Interface.
 - o File system.
 - o Project manager and librarian.
 - o Editors and browsers.
2. Team development environment:
 - o Facilitates managing & control of large projects carried out by single or multiple teams.
 - o Allows more effective control of the development process.
3. Version control interface:
 - o Easy-to-use interface to SCVS and other commercially available version control systems.
4. Tools for constructing, testing, and debugging bytecode executable forms of Java applications created with the IDE Core:
 - o Java-to-bytecode compiler.
 - o Tools for creating the JAR files of bytecode/native-code executables.
 - o Remote "on target" bytecode debugger.
 - o Remote "on target" micro-analyzer/profiler.
 - o Refactoring tool.
5. ANT build environment suitable for:
 - o Creation of sophisticated build scripts.
 - o Quick testing of new builds.
6. Tools for optimizing the deployment-ready bytecode forms of Java applications:
 - o "SmartLinker" - AOT (Ahead-Of-Time) optimizer of runtime footprint.
 - o AOT compiler if the corresponding JRE is compliant with the [Real-Time Specification for Java](#).
 - o JXE linker - AOT optimizer for specific features of the target hardware. (Is required for use with the AOT compiler).
7. Emulator launcher and interface:
 - o Supports the [Unified Emulator Interface](#) (UEI).
 - o Facilitates effective use of various commercially available device emulators.
 - o Can be easily adapted for the specific emulator of a given customer.
8. Fast deployment on flash memories:
 - o Packaging of deployment-ready applications for fast "execution in place" (XIP) on flash memories.
9. Language translation Java APIs:
 - o Most European languages.
 - o Japanese, Korean, Chinese, simplified Chinese, etc.