



## NETBEANS MOBILITY PACK 5.5

Enhanced Java™ ME Authoring Solution



### Highlights

- **Mobile Client to Web Application Connection Generator** – easily access Web services and other server-side data from MIDlets via servlets.
- **Support for Java ME Web Services (JSR 172)** – write applications that access Web services directly from the phone.
- **Preprocessor support for device fragmentation** – develop code for any number of devices with a single code base.
- **Create JSR-226 Applications with SVG-Tiny** – Use scalable vector graphics for creating dynamic visual applications that look great on every device.
- **Emulator support** – easily add custom emulators to the IDE.
- **J2ME Unit testing** – create JUnit tests in the IDE and run them on integrated emulators.



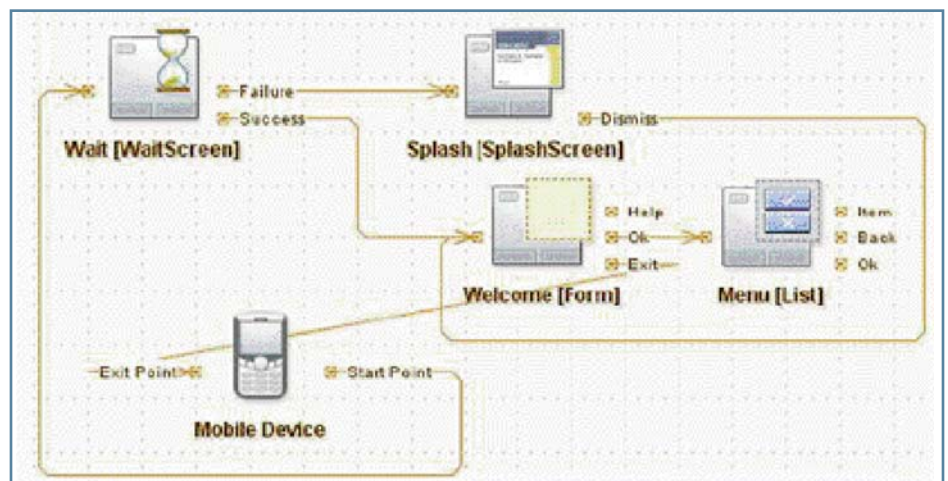
NetBeans Mobility represents the most comprehensive, free Java™ ME authoring solution on the market. Based on the award-winning NetBeans platform, NetBeans Mobility 5.5 provides an unmatched set of tools, utilities and wizards for mobile Java developers of any level.

### Drag-and-drop authoring with the Visual Designer

The most striking feature of NetBeans Mobility is the Visual Designer. Creating Java ME applications is a snap with drag-and-drop authoring, and developers can toggle between Flow Design, Screen Design and Source for a rapid, intuitive work flow. NetBeans Mobility comes stocked with useful screen design and elements out of the box, such as form elements, tables

and alerts. However, developers can add their own custom elements to further enhance their productivity.

All of the code produced by the Visual Designer is 100% Java and can be used in other authoring environments as well. The time saved on automatically generating hundreds of lines of code can significantly reduce the total project cost of a mobile application, as well as speed time to market.



Use the Visual Designer to create mobile Java applications with the ease of drag and drop.

### End-to-end application development

The sophistication demanded in mobile applications often requires client-server interaction. NetBeans Mobility makes this process much easier with two wizard-driven models.

For those application developers taking advantage of JSR-172 (the Java ME Web Services API), all you need is a valid WSDL file to use the J2ME Web Service Client feature. NetBeans Mobility will generate an entire application utilizing the Visual Designer model. Developers can decide which features of the particular Web service they want to utilize in their mobile application. From there, developers can use the Visual Designer or the source editor to polish their applications or add additional functionality.

However, for developers targeting legacy devices that do not support JSR-172, the Mobile Client to Web Application Generator creates both a Java ME client and a servlet plus related classes for an existing Web project. This method can be used to communicate with any existing Web service.

### Application Porting & Optimization

Although major strides have been made in ensuring interoperability between Java ME devices, there are still several different factors that developers must account for when targeting their applications for multiple devices. Whether it is a bug work-around, accounting for differences in display dimensions and key layout, or taking advantage of new or proprietary APIs, developers usually need multiple versions of the same applications to adequately serve their markets.

NetBeans Mobility offers a device fragmentation solution that uses basic if/then logic to allow unlimited permutations of an application, generating all of the different JAR and JAD files from the same, 100% Java source code. This solution is syntax-compatible with Antenna and J2ME Polish. It gets developers out of the business of managing multiple sources and lets them focus on building the best possible user experiences, while delivering compact and efficient applications.

This feature is also a great way to handle different branding requirements from operators and device manufacturers.

### Emulator Integration

No Java ME developer can have a productive work environment without utilizing emulators during their development process. NetBeans Mobility ships with and automatically installs the award-winning Sun Java ME Wireless Toolkit as the default configuration and emulator, giving developers an out-of-the-box develop-

ment and testing experience. Developers can also easily add other UEI-compliant device emulators, with NetBeans Mobility automatically discovering any installed emulators on the system and offering them as configuration and preview options. Users can also use the Update Center to find, download and install more emulators. Additionally, non-UEI emulators can also be added manually, such as the RIM Blackberry emulator.

During actual application development, using the emulators is simple, with a default emulator launching for each configuration, plus a "Quick Run With" option that lets a developer launch any application in any emulator with one move of the mouse.

### Ant Build System

NetBeans Mobility features native Apache Ant project support. All projects are represented by a set of Ant build.xml files and property files, while all of the complexity of Ant syntax is hidden by the tool. This allows developers to build projects outside of the IDE and easily make their projects part of complex build scripts. It is also possible to integrate additional tasks, such as resource optimization.

### Essential Utilities

In addition to its authoring capabilities, NetBeans Mobility is packed with other features that round out the mobile development experience:

- Deployment options including SCP, WebDAV, FTP and Copy allow for automatic deployment of JAR and JAD files.
- Code obfuscation to protect the intellectual property
- Create custom attributes and choose their location, whether in the JAD file, JAR manifest file, or both files.
- Support for MIDP localization enables the developer to add locale-specific components to their application.
- Integrated obfuscation and optimization support adds security, improves performance, and optimizes the size of any application.
- Over-The-Air (OTA) download testing enables the emulator to simulate the behavior of real mobile devices.

### Unmatched and Unrivaled

No other free Java ME authoring solution comes close to what NetBeans Mobility brings to the table. Whether you have been building

mobile applications for years or are just getting started, let NetBeans Mobility save you time and money while you focus on building great applications.



*Use the palette for rapid development. Simply select the elements desired.*

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#### Learn More

For more information and to download the NetBeans Mobility Pack 5.5, please visit:

<http://www.netbeans.org/products>

For more information on joining the Sun Developer Network, please visit:

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