







• Why should you use NetBeans?

- An Open Source Java IDE, written in Java
- Supported by a large community of developers
 Multi-Platform, Extensible, and Distributed
- It is built entirely on top of Ant
- Award Winning

DOWNLOAD

• Prerequisites:

- A JDK
 - J2SE 1.4.2 and/or J2SE 5.0(Tiger)
- J2EE 1.4
- J2ME 2.0 (With the NetBeans Mobility Pack)
- An Application Server (For J2EE Development)
 - Sun One Application Server
 - JBoss
 - IBM WebSphre
 - BEA WebLogic

INSTALLATION AND SETUP

• NetBeans IDE 4.1:

Standalone

• http://www.netbeans.org/downloads/index.html

- Bundled with 1DK

- J2SE 1.4.2
- http://iava.sun.com/i2se/1.4.2/download.html • J2SE 5.0(Tiger)
- http://java.sun.com/j2se/1.5.0/download.jsp
- 12FF 1.4
 - http://java.sun.com/j2ee/1.4/download.html#sdk

FEATURES

Project System

- In the IDE, you always work inside of a project.
- The Project System is based on Apache ANT
- An IDE project is a group of Java source files and _ associated information about what belongs on the classpath, how to build and run the project, etc.
- 2 Types of Projects Supported Yypes of Projects Supported
 Standard projects that use an IDE-generated Ant script to
 build the project. (Demo)
 Free-form projects that are based on existing Ant scripts.
 Provide more Power and freedom but are harder to maintain
 Requires Binding of ant targets to IDE commands

FEATURES • Code Editor Capabilities - Code Completion with JavaDoc Preview(Demo) type a few characters and then choose from a list of possible classes methods, variables, etc to auto-complete the expression Word Matching(Demo) Type a few characters and press Ctrl-L then have the Source Editor generate the next matching word or Ctrl-K to generate the previous matching word automatically. Abbreviations(Demo) short groups of characters that expand into a full word or phrase when you press the space bar.

- Refactoring(Demo)
- The restructuring of code, using small transformations, in which the result does not change any program behavior.

FEATURES

• Building Applications

- The IDE uses an Ant build script to build your applications.

• In standard projects (Demo) The IDE generates the build script based on the options you enter in the New Project wizard and the project's Project Properties dialog box.

• In free-form projects The IDE relies on your existing Ant script to provide targets for IDE actions, such as building, running, and debugging.

FEATURES

• Running Applications

- The IDE uses an Ant script to run your applications.

• In standard projects (Demo)

- The IDE generates the build script based on the options you enter in the New Project wizard and the project's Project Properties dialog box. For Java applications, you can set the project's main class, runtime
- arguments, VM arguments, and working directory in the Project Properties dialog box.

• In free-form projects

- The IDE uses your existing Ant script to run the application.

FEATURES

• Debugging Applications

- Debugging is the process of examining your application for errors

- In standard projects (Demo)

 You debug by setting breakpoints and watches in the code and running it in the debugger.

 - debugger. Code can be executed one line at a time and examine the state of your application in order to discover any problems. The IDE uses the Sun Microsystems JPDA debugger to debug programs.
 - Users can start a debugging session, step through the code manually, and monitor variables and method calls.

In free-form projects
 An ANT target has to be written for the Debug Project command.
 Targets can also be written to debug specific files and map these targets to the project's commands.

SUMMARY

- Great Tool for Java programmers
 - Open Source
 - Free-Form Project System Based on ANT
 - Web Applications, Services support
 - Awarded Winning Development Platform
 - Tightly integrated with the Java 2 Platform
 J2ME 2.0, J2SE 5.0, J2EE 1.4 support built in
 Automatic Deployment to Major Application Servers
 Faster and Easier Development

Questions and Answers

• Thank you! • Q/A