



Java Development With Java WorkShop™ 2.0

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Development Tools for the Enterprise

Intranet

Internet

Information

Transaction

Internal
Communication
and
Collaboration

2

External
Marketing

1

Applications
and
Services

3

Inter-
Networked
Marketplace

4

EXTRANET



New Web Developers

Software
Developer



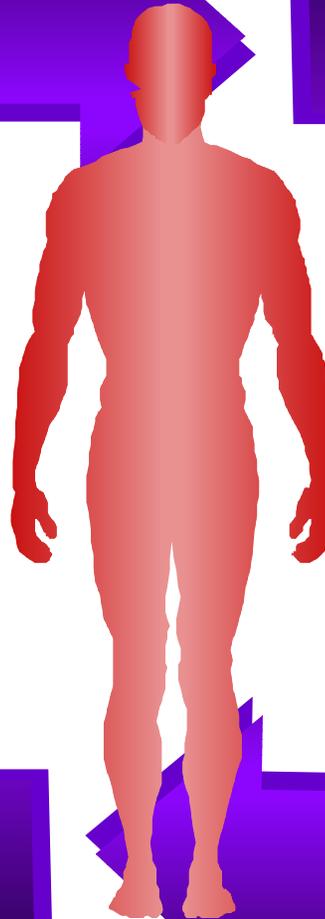
Graphic
Artist



Web
Author



Web
Master



Tools for the Software Development Cycle

→	→	
1. Design	2. Develop	3. Reuse
JavaPlan™	Java WorkShop™	Java Studio™
Analysis, Design and Generation OMT and UML Forward/Reverse Document Creation Browser Navigation	Java Development MultiPlatform GUI Builder Compiler Debugger Source Browser Profiler Editor	Codeless Java Development Visual Assembly DnD WYSIWYG Editor HTML 3.2 JavaBeans Components



Java WorkShop Software

- ◆ Portfolio manager
- ◆ Visual GUI builder
- ◆ Project manager
- ◆ Source editor
- ◆ Build manager
- ◆ Source browser
- ◆ Debugger
- ◆ Project tester
- ◆ On-line help



Current Status

- ◆ Shipping Java WorkShop 1.0
 - ◆ Based on JDKTM 1.02
 - ◆ Available on Solaris and Windows
- ◆ Listening to customer feedback
 - ◆ Integrating feedback from usability studies
 - ◆ Integrating customer feedback

Java WorkShop 2.0 Goals

- ◆ Address usability issues
- ◆ Improve stability and robustness
- ◆ Improve performance
- ◆ Support for JDK 1.1.1



What's New in JWS 2.0

- ◆ Enhanced user model
 - ◆ Improved navigation/web browser interface
 - ◆ Open, scalable menus and toolbars
 - ◆ Support of project wizards
- ◆ Localization/internationalization



What's New in JWS 2.0

- ◆ Fast, flexible build manager
 - ◆ Very fast javac compiler
 - ◆ Command line mode option
- ◆ Debugger
 - ◆ Remote debugging
 - ◆ Expression evaluation
 - ◆ Conditional breakpoints
 - ◆ Counted breakpoints

What's New in JWS 2.0

- ◆ Improved point and click text editor
 - ◆ Key bindings
 - ◆ Color syntax highlighting
 - ◆ Auto-indent, control of tab sizes
 - ◆ Font selection
 - ◆ Horizontal scrollbar
 - ◆ Tool tips

What's New in JWS 2.0

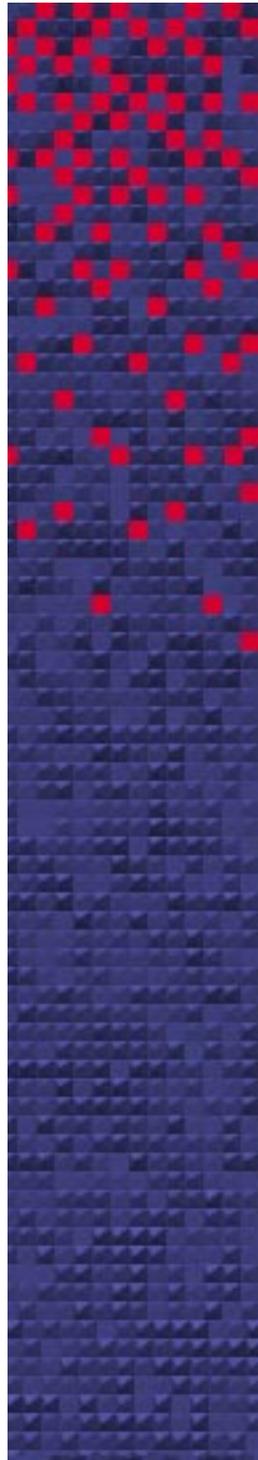
- ◆ Enhanced GUI builder
 - ◆ Improved user model
 - ◆ Availability of JavaBeans™ components to palette
 - ◆ Ability to import JavaBeans to the component palette
 - ◆ Illustrated documentation with examples



What's New in JWS 2.0

- ◆ Just In Time (JIT) compiler for applications
- ◆ Fast javac for development
- ◆ Integration with profiling tools for analysis





Demo Java WorkShop 2.0

Availability

- ◆ Java WorkShop 2.0
 - ◆ Early access version available now
 - ◆ Shipping Q3
 - ◆ JIT's available now on the Web
- ◆ Host and deploy on JDK 1.1
 - ◆ JavaBeans
 - ◆ Internationalization and localization
 - ◆ Printing
 - ◆ Etc.



Product Configuration

- ◆ Platforms supported
 - ◆ Win95, NT 3.51, NT 4.0
 - ◆ Solaris SPARC and Solaris Intel
- ◆ Localization
 - ◆ French, German, Spanish, Italian, Japanese, Chinese, Korean



Future Directions

- ◆ Project Speedway
 - ◆ Native Java compilers
 - ◆ Next generation VM
- ◆ Project Studio
 - ◆ Next generation JavaBeans components
- ◆ Next Generation Java Development Tools