JAVAWORKSHOP

Java WorkShop 1.0 is the first complete, integrated development environment for creating Internet applications and Web pages. Now you can design, test, deploy, and maintain Java applications--from dynamic, animated home pages to sophisticated, interactive business applications--with speed and simplicity. Java WorkShop 1.0 provides all the tools you need in one convenient, easy-to-use package, for one low price. The product includes:

- An easy-to-use Web browser user interface
- Integrated graphical development and debugging tools for Java applications
- Publication tools for Java applications on the Internet or intranets
- Multi-platform support for Solaris™, Windows95™, & Windows NT™ systems

Intuitive Web Browser User Interface

Java WorkShop is a Web-centric development environment written entirely in Java. If you use a Web browser you will automatically understand the user interface. When you run the product you see a Web page with a toolbar containing icons for the WorkShop components. Each icon on the toolbar represents a Java applet. "Flyover help" identifies each tool as the cursor passes over its icon. Clicking on a tool runs it on a new browser page. Switching between tools is as easy as browsing Web pages--just point and click.

Integrated Toolset for Fast, Efficient Development

The product provides a complete toolset that works together to make development fast and easy. The toolset includes:

- Project Manager, which organizes all the files you need to create your project
- Source Editor for writing and viewing Java source code
- Build Manager, easy-to-use make and compile facility

- Debugger, for debugging HTML pages, Java applets or standalone Java classes
- SourceBrowser, to view your code's structure e.g. methods and constructors
- Applet Viewer, for running Java applets
- Portfolio Manager, for creating, customizing and publishing your Java projects including applets
- On-line Documentation

The integrated toolset speeds up the edit-compile-test-debug cycle. You start a project using the Project Manager, create and save Java source files using the Source Editor, and then build a project using the Build Manager. Compile errors pop up a browser window with errors highlighted in color. Clicking on an error links to the Source Editor at the appropriate line in the appropriate source file. Once your applet compiles successfully, run it using the Applet Viewer. Find and fix using the Debugger. Running under the Debugger brings up the applet in its own viewer: source and class files are automatically loaded for manipulation: setting breakpoints, tracing, evaluation, and stepping. For convenience, Java WorkShop works with existing version control systems, including SunSoft TeamWare, SCCS, RCS, and PVCS.

Fast, Efficient Web Publishing Tools

Once an application or applet executes as planned, you can incorporate it into a portfolio for publishing on the Web. Portfolio Manager allows you to combine an unlimited number of programs. You can search a portfolio to select a set of applets meeting your criteria, and you can share your portfolio with others on the Web--with your team, across the enterprise, or for commercial distribution.

Multi-Platform Support

Java WorkShop is written entirely in Java, so it is very portable. SunSoft currently supports the product on Solaris, Windows95, and Windows NT platforms. In addition, code written with Java WorkShop is portable. Java applications run on virtually any client--from PCs and workstations to Web browsers--without requiring any code changes.

SunSoft Java WorkShop Version 1.0 Includes:

- Workshop Components
- Documentation
- Compatible Applications
- System Requirements

WorkShop Components

- Project Manager
  - Organize all files needed to create a project
  - Ready your project for publication on the Web via Portfolio Manager
  - Customize your build, debug, and test enviroment for your project
- Source Editor
  - Point and click to edit

- Edit one or many source files concurrently
- Works with code management system: TeamWare, SCCS, RCS, PUCS
- Build Manager
  - Compile only files that need updating, saving time
  - Automatically manage build process
  - Creates hypertext list of error found during compilation for easy access
  - Integrated with Source Editor
- Debugger
  - Debug applets on HTML pages or a standalone Java application
  - Debug an applet running locally or remotely
  - Precise control
  - Step into, over, and out of code
  - Set breakpoints graphically
  - Integrated with Applet Viewer
  - Evaluate data values
  - Change data values: variable or expression
  - Navigate the Call Stack
  - Control threads
  - Suspend thread
  - Examine current thread
  - Examine other threads
  - Resume operation
- Source Browser
  - Includes
    - Class Browser
      - Displays class hierarch tree
      - Displays construtors and methods
      - Automatically creates hypertext link to source code
      - String search to easily locate target strings
    - Applet Viewer
      - Scan your applet code
      - Animate applets
      - Run the application
    - Portfolio Manager
      - Create and customize personal portfolios of applets
      - Organize your portfolios
      - Share portfolios
        - For internal use
        - For commercial use

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Documentation

- CD-based online help
- Hardcopy installation guide

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Compatible Applications

- SunSoft Visual WorkShop for C++
- All Java applets (based on JDK 1.0 or later)
- Version Control Systems Supported
  - ○ SunSoft TeamWare
  - ○ SCCS
  - ○ RCS
  - ○ PVCS

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System Requirements

- Platforms
  - ○ SPARC processor systems
  - ○ Intel 486 or Pentium systems
- Operating System
  - ○ Solaris 2.4 or higher (SPARC or x86 version)
  - ○ Microsoft Windows 95 or Windows NT 3.5
- Window System
  - ○ OSF/Motif 1.2.3 compliant system
  - ○ Microsoft Windows 95 or Windows NT 3.5
- Disk Space
  - ○ 30 MB for installation
- Memory
  - ○ 32 MB recommended for Solaris 2.4
  - ○ 16 MB recommended for Windows 95 or Windows NT

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Specifications are subject to change without notice.

Questions or comments regarding this service? *webmaster@sun.com*