WSStudio Quick Reference

(Eclipse, WebSphere Studio, WSSD, WSAD, WSAD-IE, WSED)

(Updated 2003/01/12) (Newest material at http://WebSphereCentral.com)
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Links

- JumpStart Now: Tutorial Demos, "How-To" Resources, WS Training, WS Services, IBM Ed
- V5: Technical Brief, About V5 Web Page, V5 Presentation, Migrating to V5 (WSStudio, WAS and VAJ)
- Technical Overviews: Tech Overview Homepage, Tech Overview WhitePaper, Tech RedBook
- Homepages & Plugins: WSAD Homepage, WSStudio Family Homepage, Plugins Directories
- Eclipse open source (created by IBM): Eclipse WhitePaper, http://Eclipse.org
- Microsoft Comparisons: Platform-wide and tooling specific comparison white papers and articles
- Other WebSphere Servers, Middleware and Tools: WebSphere Quick Reference, A-Z WebSphere products, Wireless
- Your opinions and ideas count! Request a new feature and/or VOTE on existing feature requests

Top 10 Components (WSStudio/Eclipse plugins that go beyond the base function in Eclipse.org)

- Java IDE (Eclipse Java Dev Tools (JDT) and infrastructure: Code-assist, pluggable JDK, incremental compile, etc.)
- Web App Tooling (Struts, HTML, JSP, JavaScript, TagLibs, etc.)
- J2EE EJB Tooling with O/R mapping (J2EE 1.2 and 1.3, including EJB2.0 - MDB, Local Interfaces, etc.)
- Web Services Tooling (WSDL, SOAP and UDDI totally automated and integrated)
- XML/XSL Tooling (Editing with code-assist, wizards, tracing, debugging and more)
- Database Tooling
- Testing and Performance Profile Tooling
- Integrated Servers (v4, v5, etc.) dramatically streamline local/remote testing and debugging cycles
- J2EE automatic build: Incrementally compiles, parses, packages and tests (auto-deploys EAR, WAR, JAR)
- Plus > 100 Plugins for Best Practices, Coding, Modeling, Frameworks, Testing, Teaming, Portal, Pervasive, Business Integration, EAI, messaging, workflow, etc. (From open source, ISVs and IBM sources)
  - Third Party Plugins: Coding, Modeling, Frameworks, Testing, Teaming etc. (>100 from 3rd parties & open source)
  - IBM Plugins not listed above include: Portal / Portlets, Voice, PvC / Wireless, JCA-J2EE/CA, micro-flows, thick-client visual builder, Stored Procedures, AS/400 iSeries, Cobol, PL/I, ASM, EGL, Struts "Visual Builder", and more coming.

Awards and Accomplishments

- Awards: Best J2EE IDE, Most Innovative Product, Best Web Services, etc. including: JDJ 2002 Readers Choice Awards (Details), JavaOne/JavaPro awards, InfoWorld 2002 Readers Choice, Web Services Journal (WSJ) 2002
- Gets very high marks from Microsoft, JBuilder, Visual Café, TogetherSoft AND VAJava developers alike
- Integrates multiple development roles/tooling into a single IDE, providing unequalled flexibility
- Has a unique plugin architecture (>200 vendors integrating their products) (IBM cross-brand tooling)
- IBM created the Eclipse.org open source project, based on the WSStudio core

Capabilities

At-a-glance: WSStudio is an IDE written in Java, entirely J2EE Web Services based, the genesis of Eclipse.org, JDK pluggable per project, file based, drag/drops with Explorer and runs MS Win apps inside IDE using ActiveX

- Combines multiple tools into one, while preserving the continuity and roles of developers including Java, Servlet, JSP, EJB, database, JavaScript, web page design, XML, Web Services, Ant, JUnit and more…
- Web Services built faster in WSStudio than any other development environment
- Plugin architecture is multi-layered to loosely and tightly integrate with 3rd party vendor software
- Plugins include Coding, Modeling, Frameworks, Testing, Teaming, Portal and Best Practices to name a few
- Teaming support for optimistic/pessimistic versioning (i.e. CVS and ClearCase respectively, and others)
- Builds, tests and deploys J2EE applications. Automatic/incremental builds of EAR, WAR, JAR & DD files
- JCA: Builds code to connect to backend systems like CICS, IMS and SAP. Other J2C backends as well.
- Integrates J2EE test servers, controllable locally and remotely, with auto-incremental "Smart Publishing"
- Uses same debugger for local and remote debugging (JDI based for JVM/AppServer agnostic debugging)
- Component Testing and Performance Profiling to round out your QA activites
- XML/XSL tooling with code-assist, debugging & wizards make transformations & Web Services easier