



# WSStudio Quick Reference



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

(Updated 2004/02/08) (Newest material at <http://WebSphereCentral.com>)

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## Links

- JumpStart Now: [Tutorial Demos](#), [“How-To” Resources](#), [Presentation](#), [WS Training](#), [WS Services](#), [IBM Ed](#)
- Studio Editions Homepages: [Family](#), [WSSD](#), [WSAD](#), [WSAD-IE](#), [WSED](#) Studio Editions Features: [Family](#), [WSSD](#), [WSAD](#), [WSAD-IE](#), [WSED](#)
- Eclipse and Plugins: [Eclipse.org](#), [Eclipse WP](#), [Find Plugins at EclipsePluginCentral.com](#), [Other Plugins](#)
- Rational Zone&Resources: <http://ibm.com/websphere/developer/rational> & <http://ibm.com/developer/rational>
- 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 (WSAD plugins (2-10) go beyond the base function in Eclipse.org)

1. **Java IDE** (Eclipse IDE and Java Dev Tools (JDT) including Code-assist, incremental compile, pluggable JDK, etc.)
  2. **Hot Method Replace with Full-speed Debug** (Change code on-the-fly & and JIT fast debugging JDK1.3+)
  3. **Web App Tools** (JSF, Struts, Web Site designer, and editors for HTML, JSP, JavaScript, TagLibs, DDs, etc.)
  4. **J2EE and EJB Tools** (EJB UML Modeling, O/R mapping, EAR automation, J2EE 1.2 & 1.3, etc.)
  5. **Web Services Tools** (WSDL, SOAP, UDDI, WS-I, WS Explorer...totally automated and integrated)
  6. **XML/XSL Tools** (Editing with code-assist, wizards, tracing, debugging, mapping and more)
  7. **Database Tools** (CRUD, stored procedures, generate SQL, generate EJB CMPs O/R Mapping, etc.)
  8. **Testing and Performance Profiling** Tools (JUnit automation, Identify performance bottlenecks, etc.)
  9. **Integrated Servers** (v4, v5, etc.) dramatically streamline local/remote testing and debugging cycles
  10. **J2EE dynamic build**: Incrementally compiles, parses, packages and hot-redeploys (EARs, WARs, JARs)
- **Plus > 200 Plugins** for Best Practices, Coding, Modeling, Frameworks, Testing, Teaming, Portal, Pervasive, WBI Business Integration, EAI, messaging, workflow, etc. (Open source, ISVs and IBM sources)
    - [Third Party Plugins](#): Coding, Modeling, Frameworks, Testing, Teaming etc. (>200 from 3rd parties & open source)
    - [IBM Plugins](#) not listed above include: [Portal/Portlet Toolkit](#), [WBI Plugins](#), [Voice](#), [PvC](#) / [Wireless](#), [JCA-J2EE/CA](#), [micro-flows](#), [thick-client visual builder](#), [Stored Procedures](#), [AS/400 iSeries](#), [Cobol](#), [PL/I](#), [ASM](#), [EGL](#), [Struts Builder](#), more coming.

## Awards and Accomplishments

- [Awards](#): Best J2EE IDE, Most Innovative Product, Best Web Services, etc.
- Gets very high marks from Microsoft, JBuilder and many other diverse development communities
- Integrates multiple development roles/tooling into a single IDE, providing unequalled flexibility
- Has a unique plugin architecture (>200 vendors integrating their products as well as other IBM SW brands)
- 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 the IDE

- Combines multiple tools into one, while preserving the continuity and roles of developers including Java, JSP, EJB, Web Services, XML, Modeling, database, JavaScript, web pages, Ant, JUnit, and more...
- Dynamically change code on-the-fly and see results in seconds, without restarting applications or servers
- Debug faster than other IDEs, using IBM's unique JIT enabled fast debugging technology for WebSphere
- 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”
- Component Testing and Performance Profiling to round out your QA activities
- XML/XSL tooling with code-assist, debugging & wizards make transformations & Web Services easier