Overview

WebSphere® Studio Site Developer V5 is IBM’s on-ramp to the WebSphere Studio experience. Based on the powerful innovations of Eclipse technology this robust, easy-to-use development environment allows developers to create, build, and maintain dynamic Web sites, applications, and Web services on Windows® and Linux. Site Developer helps you to:

- Speed the creation of your Web, Java™, or Web service applications with built-in code assist/completion and generation, improved samples and templates, a Visual Page Designer with updated Visual Custom Tags, new Web view to organize Web resources and see changes immediately to your GUI design with a new Visual Editor for Java with two-way synchronization.
- Increase productivity by streamlining application testing with a built-in unit test environment and easy-to-use Java and JavaScript debuggers.
- Build robust Java applications, attractive Web interfaces, and integrate your business applications with Web services easier than ever before with support for XHTML, JDK 1.3, JSP 1.2, Servlet 2.3, improved Web service samples and support for UDDI V2 and discovery via Web Service Inspection Language (WSIL).
- Improve time to market by customizing your development environment to suite your needs by integrating with IBM and third-party plug-ins, so you can focus on building the right applications for your business needs.
- Make application development intuitive and easy by leveraging the Struts-based Model View Controller model to map out and visually construct Web-based applications.

Site Developer V5 makes it easy to collaboratively create, assemble, publish, deploy, and maintain dynamic, interactive Web sites, applications, and Web services designed to meet the requirements of today’s open technology standards.

Note: Linux version is English only.

Key Prerequisites

- Intel® Pentium® II processor minimum (Pentium III 500 MHz, or higher, is recommended)
- Windows — Windows 2000 Professional with Service Pack 2, or later
- Windows — Windows XP Professional
- Windows — Windows NT® Workstation or Server V4.0 with Service Pack 6a, or later (refer to the Program Services section for details)
- Microsoft™ Internet Explorer V5.5, SP1®, or later
- For Linux, one of the following distributions:
  - Red Hat V7.2
  - SuSE V7.2
- Web Browser Netscape Navigator V4.6 or V6.0. Built-in server testing environment requires the use of Netscape V6.
- Web Browser Mozilla V0.7, or later

At a Glance

WebSphere Studio Site Developer V5 is IBM’s on-ramp to the WebSphere Studio experience:

- Speed the creation of your Web, Java, or Web service applications with built-in code assist/completion and generation.
- Increase productivity by streamlining application testing.
- Build robust Java applications and attractive Web interfaces.
- Make application development intuitive and easy with a struts-based Model View Controller

For ordering, contact:
Your IBM representative, an IBM Business Partner, or the Americas Call Centers at 800-IBM-CALL
Reference: SE001

Planned Availability Dates

- December 9, 2002: Electronic software delivery
- January 10, 2003: Program package
WebSphere Studio Site Developer is IBM’s on-ramp to the WebSphere Studio experience. Based on the innovations of the Eclipse technology this robust, easy-to-use development environment allows developers to create, build, and maintain dynamic Web sites, applications, and Web services.

What is new in WebSphere Studio Site Developer V5?

- Support for Servlet 2.3, and JSP 1.2 specification.
- Concurrent support for WebSphere Application Server V4 and WebSphere Application Server V5 and WebSphere Application Server — Express V5.
- Enable WebSphere Application Server V4 users to adopt the latest innovations from Eclipse V2, and enhancements from WebSphere Studio V5 without server upgrade.
- Numerous updates and new functions for Java, Web services, XML, Database, Test, and Web components.
- Struts-based Model View Controller that allows you to map out and visually construct Web-based Applications.
- Visual Editor for Java with two-way synchronization.

Key functions and features included in Site Developer are:

**Java Support**

- New Java Visual Editor for developing GUI components (Swing or AWT) with two-way synchronization between source and GUI
- New JavaDoc generation
- Updated code assist and refactoring tools
- Shipped with JDK V1.3
- Pluggable run-time support for JDK switching and targeting multiple run-time environments
- Automatic incremental compilation
- Dynamic debugging
- Common debugger for both local and remote debugging
- Ability to run code with errors in methods
- Crash protection and auto-recovery
- Error reporting and correction
- Java text editor with full syntax highlighting and complete content assist
- Intelligent search, compare, and merge tools for Java source files
- Scrapbook for evaluating code snippets
- Updated template support

**Relational Database Schemas, SQL Wizard, and SQL Query Builder** — Helps you create and manipulate the data design for your project in terms of relational database schemas. Site Developer:

- Allows you to create, browse, or import database schemas (including new DDL Export capability).
- Enables exploring, importing design, and querying databases.
- Supports working with either a local copy of an already deployed design, or creating an entirely new design to meet your requirements.
- Provides a meta-data model that is used by all other tools that need relational database information including connection information, so that tools that are unaware of each other can share connections.
- Provides a visual interface for creating databases, tables, and views.
- Supports DB2®, DB2 for 400, DB2 for 390, Oracle, Sybase, MySQL, Informix™, and SQL Server. New in V5 support for Cloudscape, and Oracle9i.
- Includes a new Stored Procedure Builder and SQL view.

**Web Services Support** — Site Developer facilitates the following Web services development tasks to help you build and deploy Web services-enabled applications for your dynamic e-business across a broad range of software and hardware platforms used by today’s businesses:

- Discover — Browse the Universal Description Discovery and Integration (UDDI) business registry or a Web Services Inspection Language (WSIL) document to locate existing Web services for integration.
- Create or Transform — Create Web services from existing artifacts, such as JavaBeans, URLs that take and return data, DB2 XML Extender calls, DB2 stored procedures, and SQL queries.
- Build — Wrap existing artifacts as Simple Object Access Protocol (SOAP) and HTTP GET/POST-accessible services and describe them in Web Services Description Language (WSDL).
- Deploy — Deploy the Web service into the WebSphere Application Server or Tomcat test environments.
- Test — Test the Web service as it runs locally or remotely.
- Develop — Generate a sample application to assist you in creating your own Web service client application.
- Publish — Publish your Web services to a private or public UDDI business registry advertising your Web services so that other clients or businesses can access them.
- All Web services supported are based on open standards such as UDDI V2, SOAP, WSDL, and new support for WSIL.

**XML Support** — Site Developer provides a comprehensive visual XML development environment which allows you to:

- Debug and edit XSL with code assist (new in V5).
- Create, view, and validate DTDs, XML schemas, XMLs, and XSLs.
- Create XML documents from a DTD/XML schema and vice-versa.
- Generate Java beans from XML and vice-versa.
- Define mappings between XML documents and generates XSLT.
- Create an HTML or XML document by applying an XSL stylesheet against an XML document, using the Xalan processor.
- Debug XSL Stylesheets using the XSL Debugger.
- Create and execute your XPath using the Xpath wizard.
Compile XSL stylesheets for fast execution.
Produce XML-related artifacts from an SQL query.
Update a relational table from an XML document.
Define mappings between relational tables and DTD files.
Generate a document access definition (DAD) script, used by DB2 XML Extender, to either compose XML documents from existing DB2 data or decompose XML documents into DB2 data.
Generate XML and related artifacts from SQL statements and use these files to implement your query in other applications.

Team Development Support — The team development environment for Site Developer includes support for pluggable repositories and an optimistic concurrency model. The open support for external SCM repositories offers easier integration of your chosen Software Configuration Management tool and more flexibility in asset management and team development. Site Developer:
- Packaged with adaptors for Concurrent Versions System (CVS)

Web Development Support — The Web development environment includes the following features:
- Struts-based Model View Controller that allows you to map out and visually construct Web-based.
- Updated Page Designer with support for Visual Custom Tags.
- New support for XHTML.
- Convert HTML to XHTML.
- Web project creation, using the J2EE container structure.
- JSP and HTML file creation, editing, and debugging.
- Rich media tools to create compelling Web sites (not available in Linux).
- XML file creation and editing.
- Automatic update of links as resources are moved or renamed.
- Servlet creation by means of a wizard.
- Generation of Web applications from database queries and beans.

Debugger — Site Developer has a debugger that enables you to detect and diagnose errors in your program running either locally or remotely. The debugger lets you control the execution of your program by setting breakpoints, suspending execution, stepping through your code, and examining the contents of variables. You can debug live server-side code as well as programs running locally on your workstation.

For analyzing performance
- Logging services/agents
- Workbench internal logging hooks
- Log view/analysis
- Time-based code analysis views
- IBM Agent Controller: prerequisite for any profiling or remote launch/deploy support
- Distributed support (sequence-based views)

Additional Contents
WebSphere Studio Site Developer includes a copy of:
- DB2 V7.2
- Macromedia Web Publishing Trial CD
- WebSphere Application Server for Developers V5

Accessibility by People with Disabilities
WebSphere Studio Site Developer:
- Supports interfaces commonly used by screen readers
- Can be operated using only the keyboard
- Allows the user to request more time to complete timed responses
- Supports customization of display attributes such as color, contrast, and font size
- Communicates all information independently of color
- Supports interfaces commonly used by screen magnifiers

Note: This feature applies to applications on Windows platforms only.

- Supports the attachment of alternative output devices
- Provides keys which can be distinguished by touch without activating them
- Provides documentation in an accessible format
- Requires minimal reach and manual dexterity
- Supports the attachment of alternative input and output devices
- Supports alternatives to audio information
- Supports adjustable volume control
- Does not flash the screen at rates that could induce epileptic seizures.
- Some accessibility features may not be available in the following bundled product:
  - DB2 Connect® Personal Edition, V7.2 FP7 or the Windows Operating Environments CD
  - DB2 Universal Database® Personal Edition, V7.2 FP7 for Linux for Intel CD

Product Positioning
WebSphere Studio is available in several configurations, each designed for a specific need:

WebSphere Studio Homepage Builder is an entry level Web authoring tool. You can create and publish Web sites with ease by using the intuitive WYSIWYG user interface, easy-to-use wizards, templates, and support for JavaScript, Dynamic HTML, and CSS.

WebSphere Studio Site Developer is the on-ramp to the WebSphere Studio experience. This robust, easy-to-use development environment helps you to create, build, and maintain dynamic Web sites, applications, and Web services.

WebSphere Studio Application Developer is the core application development environment from IBM. It helps to optimize and simplify J2EE application development...
with best practices, templates, code generation, and the most comprehensive development environment in its class.

**WebSphere Studio Application Developer Integration Edition** is the complex application development and integration environment. It is the “Build to Integrate” solution for accelerated development and integration of complex applications.

**WebSphere Studio Enterprise Developer** is the Web and traditional development environment for the Enterprise. It brings the power of J2EE, rapid application development and team support to diverse enterprise application development organizations.

**Trademarks**

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Windows and Windows NT are registered trademarks of Microsoft Corporation.

Java is a trademark of Sun Microsystems, Inc.

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Education Support

At the present time, education and classes in support of WebSphere® Studio Site Developer for Linux and Windows®, V5 are being developed. When they are ready, an announcement will be made through the appropriate channels.

Offering Information

Product information is available through Offering Information (OITOOL) at:

http://www.ibm.com/common/ssi

Publications

No publications are shipped with this program. The Publication Notification System (PNS) is available by order number/product number. Customers currently subscribing to PNS will automatically receive notifications by e-mail. Customers who wish to subscribe, can visit the PNS Web site at:


The IBM Publications Center Portal:

http://www.ibm.com/shop/publications/order

Note that PNS subscribers most often order their publications via the Publications Center.

Displayable Softcopy Publications

A PDF version of the following:

- WebSphere Studio Site Developer Getting Started
- WebSphere Studio Site Developer Installation Guide
- WebSphere Studio Site Developer Migration Guide
- WebSphere Studio Site Developer “YourCo” Scenario: Intranet Site Using WebTools, JSP, and Servlets
- WebSphere Studio Site Developer “Hospital” Scenario: B2B Database Query Using Web Services, JSP, Servlets, and XML Tools are available

The help system, scenario documents, and other product documentation are available in HTML. These require a Web browser that supports HTML 3.2, and Cascading Style Sheet (CSS). Microsoft® Internet Explorer V5.5, Service Pack 1, or later, is required.

Technical Information

Specified Operating Environment

Hardware Requirements: Minimum System Requirements For WebSphere Studio Site Developer for Linux and Windows, V5:

- Intel® Pentium® II processor minimum (Pentium III 500 MHz, or higher, is recommended)
- 512 MB RAM minimum (768 MB RAM is recommended)
- Display Space:
  - 920 MB minimum disk space for installing WebSphere Studio Site Developer and additional disk space for your development resources.
  - Note: Minimum disk space can be reduced if optional features and runtimes are not installed.
- You will also require additional disk space if you download the electronic image to install WebSphere Studio Site Developer.

- Display Resolution:
  - Windows — VGA (800 x 600) display minimum (1024 x 768 recommended)
  - Linux — SVGA (1024 x 768) display minimum

Software Requirements: WebSphere Studio Site Developer has the following software prerequisites:

- One of the following operating systems:
  - Windows — Windows 2000 Professional with Service Pack 2, or later
  - Windows — Windows XP Professional
  - Windows — Windows NT® Workstation or Server V4.0 with Service Pack 6a, or later
  - Linux — Red Hat, V7.2
  - Linux — SuSE, V7.2

- Web Browser:
  - Windows — Microsoft Internet Explorer 5.5 with Service Pack 1, or later, or Netscape Navigator V4.76, or later
  - Linux — Web browser Netscape Navigator V4.6 or V6
  - Windows — The Universal Test Client and Web Services Explorer require the use of Netscape V6, or later, or Microsoft Internet Explorer 5, or later
  - Linux — The Universal Test Client and Web Services Explorer require the use of Netscape V4.6, or Mozilla V0.7, or later

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
While the supplied DB2® Personal Edition, V7.2 is not required to install WebSphere Studio Site Developer, it is required to work with certain WebSphere Studio Site Developer applications and samples.

If you want to profile your applications, ensure that JRE V1.3.0, or later, is installed.

Planning Information

Direct Customer Support: Direct customer support is provided by IBM Operational Support Services — Support Line at 800-IBM-SERV. This fee service enhances customers’ productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services — Support Line will help answer questions pertaining to usage, and suspected software defects for eligible products.

Packaging: The WebSphere Studio Site Developer program package (45P8910) contains the following items packaged as a single unit:

Multi-Platform Media:
- WebSphere Studio Site Developer for Linux and Windows, V5 CDs.
- WebSphere Application Server for Developers V5 CDs. This bundled WebSphere Application Server product is subject to the terms of the license agreement which accompanies it.
- DB2 Universal Database® XML Extender V7.2 FP7 CD.

Linux only media:
- DB2 Connect® Personal Edition, V7.2 FP7 for Linux for Intel CD
- DB2 Universal Database Personal Edition, V7.2 FP7 for Linux for Intel CD

Windows only media:
- DB2 Connect Personal Edition, V7.2 FP7, or the Windows Operating Environments CDs
- DB2 Universal Database Personal Edition, V7.2 FP7 for the Windows Operating Environments CDs
- DB2 Universal Database Image, Audio, and Video Extenders and Text Extender V7.1 CD
- Macromedia Web Publishing Trial CD

This program when downloaded from a Web site, contains the applicable IBM license agreement, and License Information (LI), if appropriate and will be presented for acceptance at the time of installation of the program. The license and LI will be stored in a directory such as LICENSE.TXT for future reference.

Security, Auditability, and Control

WebSphere Studio Site Developer for Linux and Windows, V5 uses the security and auditability features of the respective operating systems.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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Valid license holders of VisualAge® for Java™ Professional and WebSphere Studio Homepage Builder are eligible for the tradeup to WebSphere Studio Site Developer V5 by providing one of the following documents:

A copy of purchase invoice/bill of sale for one of the products, or the original Proof of Entitlement (PoE) for one of the products listed, or the original front cover page of the Getting Started publication for one of the products listed.

IBM and Competitive Trade-ups for part number: D51ZGLL
- MS Visual Studio.Net Professional
- MS Visual InterDev
- MM DreamWeaver UltraDev
- MM DreamWeaver
- MM DreamWeaver MX
- Borland JBuilder Professional
- Borland JBuilder SE
- Kylix Professional

IBM and Competitive Trade-ups for part number: D51ZHLL
- All versions of VisualAge for Java Professional users (PPA and non PPA)
- Home Page Builder all versions
- MS VB.Net
- MS C# .Net
Passport Advantage Customer: Media Pack Entitlement Details

Customers with active subscription on the products listed below are entitled to receive the corresponding media pack.

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Terms and Conditions

**Licensing:** IBM International Program License Agreement. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, when applicable, are license only and do not include Software Maintenance.

**LI Form Number:** Softcopy only

**Limited Warranty Applies:** Yes

**Program Services:** Available until November 30, 2005, for WebSphere Studio Site Developer for Linux and Windows, V5

Windows NT will be supported to June 30, 2003. For customers using Windows NT, refer to the Microsoft Web site for Windows NT:


**Money-Back Guarantee:** If for any reason you are dissatisfied with the program, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund. This applies only to your first acquisition of the program.

**Copy and Use on Home/Portable Computer:** Yes

**Volume Orders (IVO):** No

**Passport Advantage Applies:** Yes, and through the Passport Advantage Web site at:

http://www.ibm.com/software/passportadvantage

**Usage Restriction:** Yes. For Usage Requirements, refer to the license that accompanies the product. Specifically, the Program-unique Terms (PUTs). Part of the license records the restrictions on the use of the product and/or the software associated with the product.

**Software Maintenance Applies:** Yes

Software Maintenance, previously referred to as Subscription and Technical Support, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this letter are provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice and electronic access into the IBM support organizations.

IBM includes Software Maintenance with each program acquired during the coverage period. The coverage period means the period commencing on the date you acquire the program up to the first or second anniversary date, depending on whether you acquired coverage for one or two anniversaries. The coverage period for Software Maintenance acquired in the two months preceding an anniversary date will be extended to the next applicable anniversary date.

While your Software Maintenance is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions; and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your IS technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. This assistance is not available to your end users. IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Guide at:

http://techsupport.services.ibm.com/guides/handbook.html

Software Maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information, about the Passport Advantage Agreement, refer to the IBM International Passport Advantage Agreement Software Announcement 201-202, dated July 10, 2001, or visit the Passport Advantage Web site at:

http://www.ibm.com/software/passportadvantage

**IBM Operational Support Services — Support Line:** No

**AIX/UNIX Upgrade Protection Applies:** No

**Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees:** No

**iSeries™ Software Subscription Applies:** No

**Variable Charges Apply:** No

**Educational Allowance Available:** Not applicable
Prices

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^10 IBM one-time charge

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For Passport Advantage and charges, contact your authorized Lotus® Business Partner. Additional information is also available on the Passport Advantage Web site:

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http://www.ibm.com/financing

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To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

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Reference: SE001

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Note: Shipments will begin after the planned availability date.

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