

WebSphere Development Studio Client Advanced Edition for iSeries, Version 5.1.2

Highlights

- **Develop new Web applications with Java™ technology or RPG and COBOL languages using WebSphere software**
- **Web- and portal-enable existing applications quickly and cost effectively with the IBM WebFacing Tool**
- **Consolidates all of the key workstation-based iSeries development tools into one integrated package**
- **Provides enterprise-level programming with Enterprise JavaBeans and Java messaging**

Take e-business to the next level.

WebSphere Development Studio Client Advanced Edition for iSeries leverages the capabilities of WebSphere Studio Application Developer to optimize and simplify J2EE application development. This product features best practices, templates, code generation, and one of the most comprehensive development environments in its class. It includes the iSeries suite of tools for traditional, client/server and e-business development.

WebSphere Development Studio Client.

IBM created a comprehensive toolset to help you leverage the iSeries system and take advantage of business opportunities faster. The suite inherits improved Web and Java enterprise development capabilities from WebSphere Studio Application Developer, Version 5.1.2. You can create, test, debug, deploy, and maintain sophisticated e-business applications with little Java, Web, or Web Services programming.

- *Workbench-based integrated development environment*
- *IBM WebFacing Tool*
- *Remote System Explorer and iSeries development tools*
- *iSeries Java and Web development tools*

Benefits for the programmer.

As a programmer, you can now take advantage of the pools of resources created by the widespread use of the Internet. Now available to you are Web Services, which fulfill some of your fundamental programming tasks; modules exist that can be plugged right into your application development project. You don't have to settle for being a consumer of these services: there are wizards that help you create Web Services yourself, based on the application modules you've created—in Java, RPG, or COBOL.

- *Consistent interface reduces learning curve*
- *WebFacing Tool makes it easy to Web-enable or portal-enable your 5250 applications*

Upgrade from ADTS.

The improved iSeries server development capabilities of this integrated development environment (IDE) provide many compelling reasons for you to upgrade from Application Development ToolSet (ADTS) or CoOperative Development Environment (CODE).

The Remote System Explorer (RSE) allows you to leverage the capabilities of the IDE. The RSE provides iSeries system access (similar to PDM) for editing, compiling, and debugging iSeries applications.

The built-in editor in RSE provides iSeries enhanced function.

- *RPG, COBOL, CL, and DDS syntax checking and program verification*
- *Language sensitive help (F1)*
- *Ability to set and run to a debugger breakpoint*

Key enhancements for 5.1.2

In addition to all the key features found in WebSphere Studio Application Developer 5.1.2, the product has some

important new function for advanced iSeries programmers. These include:

- *IBM WebFacing Tool enhancements for Portal and system screen support*
- *iSeries Web Tools support for single signon using Enterprise Identity Mapping (EIM)*
- *Single signon for regular Web and portal applications in the IBM WebFacing Tool*
- *iSeries Java Tools support for Java Connector Architecture (JCA)*
- *Extension to Enterprise Generation Language (EGL) to generate 5250 applications in ILE COBOL*

WebSphere Studio Application Developer V5.1.2 delivers a new User Interface (UI) framework, a new Enterprise Generation Language (EGL) for generating Java applications from a procedural language, and JavaServer Faces (JSF) for developing Java 2 Enterprise Edition (J2EE) Web applications.

IBM WebFacing Tool is a source-code based application transformation development tool. Alternatively, the HATS Toolkit provides a development

environment to produce a dynamic runtime transformation of the 5250 datastream.

Remote System Explorer (RSE) provides better iSeries integration and V5R3 programming language support for syntax checking, program verifying, and help.

iSeries Web Tools deliver improved integration with the Web Diagram Editor by allowing multiple output page generation. Web Site Designer allows you to choose a page template for the generated JavaServer Pages (JSP).

iSeries Java Tools offer improved Program Call Markup Language (PCML) support and a new feature in the Program Call wizard which allows you to define authentication and library list settings in a separate configuration file with great flexibility.

iSeries integrated debugger delivers improved support for end-to-end debugging of Web applications, plus enhanced integration with RSE.

For more details, visit:

ibm.com/software/awdtools/iseries



Hardware requirements

Type	Specification
Server	iSeries models: 170, 250, 270, 7xx, 8xx, 520 or 570
Workstation minimum	for server development: Intel® Pentium® II processor; 512 MB RAM
	for Java™/Web/WebFacing development: Intel Pentium III 500 MHz recommended; 768 MB RAM recommended
	for portal toolkit: 1 GB RAM recommended
Hard disk space required	2200 MB (additional space required for your development resources)
	additional 700 MB of temporary space required during installation
	for classic tools only: 650 MB
	for portal toolkit: 3 GB
Video required	Windows® VGA graphics card (1024 x 768 or higher, 256 colors)
Media device	CD-ROM or DVD drive

Software requirements

Type	Specification
Server	for server-related development: OS/400® V5R1 or later ¹ ; additional PTFs ² required
Workstation	Windows 2000 Professional, SP2® or higher
	Windows XP Professional, SP1® or higher
	Microsoft™ Internet Explorer 5.5, SP1 or higher
	for profiling applications: JRE 1.3.0 or higher

¹ The following IBM WebFacing Tool features are supported only on OS/400 V5R2 or later:

- Single signon using EIM
- System screen support

² PTF information is available at <http://www.ibm.com/software/awdtools/iseries>

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08-04

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