IBM Branch Transformation Toolkit for WebSphere Studio V5.1 supports an enhanced development and deployment environment

Overview

IBM Branch Transformation Toolkit for WebSphere® Studio (BTT) V5.1 helps you adopt the WebSphere Application Server and WebSphere Business Integration Server Foundation programming model in the context of your existing BTT base applications. BTT 5.1 enables you to leverage the new capabilities in WebSphere Application Server and WebSphere Business Integration Server Foundation while decreasing the invasiveness of the BTT product in your application run time.

With this release, you can retain your custom BTT-based logic implementation. Migration tools are provided to assist you in your transition to this new BTT platform.

Branch Transformation Toolkit V5.1 is part of the WebSphere Studio development and deployment environment for building, testing, and deploying applications for an On Demand Business.

Branch Transformation Toolkit V5.1 offers a corresponding multichannel infrastructure to support the creation of integrated retail delivery applications. While important to retail banking initiatives, Branch Transformation Toolkit V5.1 is helpful to any industry that wants to modernize enterprise applications. This program builds on the WebSphere Studio integrated development and deployment environment to maximize developer productivity and improve overall time to value.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections for information.

At a glance

Founded on open technologies and built on Eclipse, the IBM Branch Transformation Toolkit V5.1 includes:

- Struts extensions
- Process Choreographer plug-ins
- Abstraction layer for move to Enterprise JavaBeans (EJBs) and Process Choreographer
- Common Hierarchy Areas
- Formatting service reimplemented
- Startup beans for BTT component initialization and integration with WebSphere Business Integration Server Foundation administrative console
- End-to-end session management
- BTT Java™ client components

For ordering, contact:
Your IBM representative or the Americas Call Centers at 800-IBM-CALL
Reference: YE001

Planned availability dates

- July 29, 2005 (media and documentation).

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.
Branch Transformation Toolkit V5.1 helps build transactional applications for retail banking delivery channels, including branch, Internet, intranet, call center, stand-alone kiosk, automated teller machines (ATMs), and mobile access terminal solutions.

In this 5.1 platform, for the server presentation logic, Struts becomes the framework to author screen flow. This platform provides backward compatibility for BTT data context, Java Server Pages (JSP) tags (link context to form), and semantic and syntactic validation. It also offers configurable servlets targeted to performance optimization and BTT-specialized configurable Struts actions such as:

- Action using guard conditions as branching logic (that is, branching logic use declarative XML language)
- Extend switch action to enable sub-screen flow support
- Action designed to dynamically invoke WebSphere Business Integration Server Foundation

Migration assistance is provided via a tool that creates the struts-config.xml from the BTT XML. Another tool creates the WebSphere Studio Application Developer (WSAD) STRUT tool artifacts (that is, run the migration tool and you get the screen flow graph in WSAD).

From a server-side micro-flows standpoint, the 5.1 micro-flow runtime is now a Process Choreographer. Tools are provided to assist in the migration process. A tool creates the process Business Process Execution Languages (BPEL) from the BTT XML. A tool creates the WSAD-IE BP Editor artifacts (that is, run the migration tool and you get the graph in WSAD-IE). The BTT Process/Flow steps become snippets in Process Choreographer. The BTT object used for the definition of data context is set as variable to the process. BPEL Customer properties is used to link snippet code to the BPEL variable so that customer BTT snippets will reuse the same APIs. The objective is to minimize code changes to the customer.

For server-side, non-flow-based logic:

- BTT entity (that is, Specialized Java object) used to implement logic is refactored as an Enterprise JavaBeans (EJB) session
- BTT EJB (session bean) retains some of the BTT APIs used to access the BTT data context and formats, making it possible to preserve existing application logic.

Again, a migration tool is provided to assist in this migration. The tool creates the session EJB and populates some elements in the deployment descriptors that are used to link to the context and formats.

The Java client is preserved. There is no change to this technology. The same components remain:

- BTT AWT panels
- BTT client-side micro-flow
- BTT data context

In addition, a sample is provided on how Java client applications built using BTT components can execute in the context of the IBM Workplace Client Technology, Client Administrator V1.0 product environment.

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Section 508 of the U.S. Rehabilitation Act

Branch Transformation Toolkit for WebSphere Studio is capable as of July 15, 2005, when used in accordance with IBM’s associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Trademarks

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Java is a trademark of Sun Microsystems, Inc.
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http://www.ibm.com/common/ssi

Also, visit the Passport Advantage® Web site

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

Publications

No publications are shipped with this product. The complete set of product documentation, which includes release notes, installation, configuration, architecture, development, customization, and reference information, can be downloaded from the product’s Web site, as follows:


Technical information

Hardware requirements

For Microsoft® Windows® 2000 and Microsoft Windows 2003

• Intel® Pentium® processor at 500 MHz, or faster  
• Minimum 384 MB RAM; 512 MB recommended  
• Minimum 710 MB of free disk space for installation (includes SDK)

For Linux™ (Intel)

• Intel Pentium processor at 500 MHz, or faster  
• Minimum 384 MB RAM; 512 MB recommended  
• Minimum 510 MB of free disk space for installation (includes SDK)

For z/OS®

• G5, G6, or better processor  
• Minimum 256 MB RAM; 512 MB recommended  
• Minimum 672 MB of free disk space for installation

For AIX®

• 604e RS/6000 workstation at 375 MHz, or faster  
• Minimum 384 MB RAM; 512 MB recommended  
• Minimum 712 MB of free disk space for installation (includes SDK)

For Solaris

• Sparc workstation at 440 MHz, or faster  
• Minimum 384 MB RAM; 512 MB recommended  
• Minimum 732 MB of free disk space for installation (includes SDK)

Note: The memory and disk requirements are for the WebSphere® Application Server. If the user requires additional software products, for example, DB2®, IBM Communications Server, or WebSphere MQSeries® Integrator, refer to the Product documentation for additional hardware requirements.

Client hardware requirements:

For Windows 2000 or Windows XP

• Minimum 64 MB RAM  
• Minimum 50 MB of free disk space for installation  
• Minimum display 800 x 600; 1024 x 768 recommended

For Linux (Intel)

• Minimum 64 MB RAM  
• Minimum 50 MB of free disk space for installation  
• Minimum display 1024 x 768

For development

For Windows 2000 or Windows XP

• Intel Pentium processor at 500 MHz, or faster  
• Minimum 512 MB RAM; 768 MB recommended  
• Minimum 940 MB of free disk space for installation  
• Minimum display 800 x 600; 1024 x 768 recommended

For Linux (Intel)

• Intel Pentium processor at 500 MHz, or faster  
• Minimum 512 MB RAM; 768 MB recommended  
• Minimum 940 MB of free disk space for installation  
• Minimum display 1024 x 768

Note: The memory and disk requirements are for the WebSphere Studio Application Developer. If the development environment requires additional software products, for example, DB2, IBM Communications Server, or WebSphere MQSeries Integrator, refer to the specific product documentation for additional hardware requirements.

For the latest hardware requirements, refer to the documentation on the Web site

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

Software requirements:

Supported operating systems development and run time

• AIX 5.1 with Recommended Maintenance Package 5100-05  
• AIX 5.2 + APAR IY44183 or Recommended Maintenance Package 5200-0 3  
• AIX 5.3  
• Windows 2000 Server and Advanced Server with Service Pack 4  
• Windows Server 2003, Enterprise and Standard
- Windows XP Professional with Service Pack 1a (Client and Development)
- Windows 2000 Professional with SP4 (Client and Development)
- Red Hat Linux 8.0 (Client)
- Red Hat Linux 9.0 (Client)
- Red Hat Enterprise Linux WS 3.0 Update 1 or 3 (Client)
- Red Hat Enterprise Linux ES 3.0 Update 1 or 3
- Red Hat Enterprise Linux AS 3.0 Update 1 or 3
- Red Hat Linux v7.2, or later (Development)
- Solaris 8 with the Recommended Patch Cluster of Nov. 2003
- Solaris 9 with the Recommended Patch Cluster of Nov. 2003
- z/OS V1.4

Supported servers
For Windows 2000, Windows 2003, Solaris, Linux (Intel), z/OS, and AIX
- WebSphere Application Server V5.1.1
- WebSphere Application Server Network Deployment V5.1.1
- WebSphere Business Integration Server Foundation V5.1.1

For development
- WebSphere Studio Application Developer V5.1.1 (Developer V5.1.2) for Linux and Windows
- WebSphere Studio Application Developer Integration Edition V5.1.1 for Linux and Windows

Supported browsers
- Netscape Communicator 7.02, or later, with Java™ Plug-in 1.3.1, or later
- Internet Explorer 6.0 SP1®

Optional software
- DB2 UDB Enterprise Server Edition V8.2
- Oracle 8i Standard/Enterprise Release R3 V8.1.7.4
- Oracle 9i Standard/Enterprise Release R2 V9.2.0.5
- Microsoft SQL Server 2000 Enterprise SP3
- Microsoft SQL Server 2000 Standard Edition
- WebSphere MQ V5.3 CSD 7
- Communications Server V6.1.2
- WebSphere Portal for Multiplatforms V5.1
- IBM Workplace Client Technology, Client Administrator V1.0

For the latest supported software, refer to the documentation on the Web site
http://www.ibm.com/software/components

Planning information

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

Packaging: Packaging for this product consists of one CD.

Security, auditability, and control

Branch Transformation Toolkit for WebSphere Studio uses the security and auditability features of the operating system that the product runs on.

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

Ordering information

Product information

| Licensed function title | Product group category | Product
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Passport Advantage program licenses

Description

Branch Transformation Toolkit for WebSphere Studio

Processor Lic/SW Maint 12 Months
Processor SW Maint Annual Rnwl
Processor SW Maint Reinstate

Branch Transformation Toolkit for WebSphere Studio Workgroup Edition

User Lic/SW Maint 12 Months
User SW Maint Annual Rnwl
User SW Maint Reinstate

Passport Advantage supply

Program name/description

Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V5.1.0

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the following products are entitled to receive the corresponding media pack.
BTT for WebSphere Studio V5.1.0

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**On/Off Capacity on Demand**

**Branch Transformation Toolkit for WebSphere Studio Enterprise Edition**

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<td>BTT for WS Studio Ent Ed Processor Day Per Use-DAY, On Off Capacity on Demand</td>
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**License information form number**

Program name | Program number | Form number |
-------------|----------------|-------------|
Branch Transformation Toolkit for WS Studio | 5724-H82 | L-DOCA-5VPMLD |

**Limited warranty**

**Limited warranty applies:** Yes

**Warranty:** This program has warranty for a minimum of one year from acquisition from IBM or authorized IBM Business Partner. The warranty provided to the customer, for at least one year from acquisition, is access to databases (read Web sites) for program information and FAQs, including any known fixes to defects, which the customer can download or obtain otherwise and install at leisure.

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**Passport Advantage applies:** Yes, and through the Passport Advantage Web site at http://www.ibm.com/software/passportadvantage

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