



IBM Asset Transformation Workbench Analyzer for Eclipse V2.1 adds program analysis capabilities to WebSphere Developer for zSeries

Overview

Information is power. For mainframe analysts and programmers, information is the power to specify and make changes that give your enterprise new competitive capabilities, better implement your business strategy, or otherwise meet business requirements. But creating the knowledge necessary to make high-quality changes to existing mainframe application code is often a time consuming and expensive exercise. Analysis consumes a significant portion of any software development project. Small change requests for mainframe applications may take more time to analyze than to develop and test.

You could accelerate your time-to-market and reduce the cost of application maintenance if you could put the right information into the hands of your analysts and developers — at the time and the place they need it most. Call it just-in-time application knowledge. With the Asset Transformation Workbench Analyzer for Eclipse, you can.

Asset Transformation Workbench Analyzer for Eclipse provides additional Eclipse views to WebSphere® Developer for zSeries®. It makes it easy for developers and developer-analysts using WebSphere Developer for zSeries to quickly:

- Understand relationships within programs and between programs and data
- Visualize program structure
- Identify potential impacts of proposed changes
- Search for relevant patterns in source code

These developer-oriented analysis capabilities complement the fuller analysis and application transformation capabilities in Asset Transformation Workbench (sold separately).

Key prerequisites

Refer to the **Software requirements** and **Hardware requirements** sections.

Planned availability dates

- November 10, 2006, electronic software delivery
- December 1, 2006, media and documentation

At a glance

Asset Transformation Workbench Analyzer for Eclipse adds developer-oriented analysis views to WebSphere Developer for zSeries, arming developers and developer-analysts with application program knowledge when and where it can be most useful.

- Provides reports and visualizations of program behavior
- Assists with application-wide impact analysis
- Offers an intuitive, flexible, syntactic querying engine
- Includes a library of prebuilt queries to help developers find non-standard and dead code
- Synchronizes analysis views and source file editor

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Reference: SE001

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Description

Asset Transformation Workbench Analyzer for Eclipse adds an Asset Transformation Workbench perspective to an installation of WebSphere Developer for zSeries. This perspective includes five integrated and synchronized Eclipse views:

- Program context (this program and the objects to which it relates)
- Impact analysis (this program and other programs and data that make up an application)
- Program flow (paragraph-level flow within a program)
- Flowchart diagrams (statement level within a paragraph)
- Repository browser

Asset Transformation Workbench Analyzer for Eclipse generates multiple views of structure and flow of programs, helping developers to quickly “get up-to-speed” on the nature of their programs. These interactive views provide developers with reports on application artifact interrelationships, a “contextualized” view of how elements fit into the application as a whole, and flow charts and call maps that illustrate the behavior of the program.

In addition to understanding programs in the application, it is important that developers know how a proposed change will affect the rest of the application. The Analyzer for Eclipse impact analysis view reveals which elements will be affected by a modification to the code. Developers can ask “what-if” type questions, thereby helping to reduce the risk of disrupting critical applications as a result of incomplete changes — and helping to complete these essential analysis tasks more quickly.

Asset Transformation Workbench Analyzer for Eclipse delivers an intuitive, flexible, semantic querying engine that allows developers to locate and understand elements of interest. It includes a library of pre-built queries to help developers locate numerous common items of interest, such as non-standard code or dead code. Developers can also build and store their own queries using the intuitive query wizard. Queries can be shared with and reused by colleagues.

Asset Transformation Workbench Analyzer for Eclipse includes these key analysis capabilities:

- Find intra-and inter-program and data relationships
- Visualize programs’ structure and relationships through contextual and logical views
- Identify potential impacts of proposed changes across the programs and data in your application
- Search for relevant patterns in your source using a sophisticated syntactic search
- Take advantage of a library of prebuilt queries to find non-standard code or dead code
- Move among synchronized multiple views of the program — including the LPEX source code editor in WebSphere Developer for zSeries
- Exploit advanced functions in WebSphere Developer for zSeries, including remote and local projects and the Remote System Explorer (RSE)

Asset Transformation Workbench Analyzer for Eclipse includes support for the most common mainframe asset

types including COBOL, PL/I, Job Control Language (JCL), DB2® Data Definition Language (DDL), and EXEC commands for CICS®, IMS™ and DB2. It uses the same consistently current, standards-based repository as the Asset Transformation Workbench and in fact can be used to create a repository for use by the other components of the Asset Transformation Workbench family of products.

The single program-at-a-time focus of Asset Transformation Workbench Analyzer for Eclipse addresses many essential developer and developer-analysis activities; however most larger projects also require application-wide views and include analysis and transformation tasks that would benefit from the additional capabilities of the Asset Transformation Workbench and its two extensions, Business Rules Extension, and Application Architect Extension (all sold separately). For enterprise-wide views of application and application-to-data relationships, the Asset Transformation Workbench integrates with WebSphere Studio Asset Analyzer.

For more information on Asset Transformation Workbench V2.1, refer to Software Announcement 206-129, dated June 6, 2006, or visit the Asset Transformation Workbench Web page

<http://ibm.com/software/awdtools/atw/>

Asset Transformation Workbench Analyzer for Eclipse is powered by Relativity Technologies’ proven, sophisticated toolset for rapid application understanding and transformation.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM Web site

http://www-3.ibm.com/able/product_accessibility/index.html

Section 508 of the U.S. Rehabilitation Act

Asset Transformation Workbench Analyzer for Eclipse is capable as of December 1, 2006, when used in accordance with associated IBM 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. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM Web site at

http://www-3.ibm.com/able/product_accessibility/index.html

IPLA and subscription and support considerations

IPLA licenses can be transferred from one machine to another within, but not limited to an enterprise. You may aggregate the capacity for all the processors the product is operated on to achieve a more economic price. This will result in a single Proof of Entitlement (PoE). It is your responsibility to manage the distribution of Value Units within the limits of the entitlement of the product license.

Subscription and Support must cover the same capacity as the product license entitlement. Subscription and Support will be available in the country in which the agreement is made.

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IBM United States Announcement Supplemental Information

November 7, 2006

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http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp_search

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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Publications

No publications are shipped with this product.

The IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Technical information

Hardware requirements

- Intel® or AMD processor 2 GHz, or faster, recommended
- 2 GB RAM recommended
- 1 GB to 3 GB swap space recommended
- 200 MB disk space plus 30x size of the application source files

Software requirements

- One of the following workstation operating systems:
 - Microsoft™ Windows™ XP with Service Pack 1, or later

- Microsoft Windows 2000 Professional with Service Pack 4 +

- WebSphere® Developer for zSeries® 6.0.1.3 (Eclipse Platform 3.0.1)

Planning information

Asset Transformation Workbench Analyzer for Eclipse installs on a PC workstation on which WebSphere Developer for zSeries is already installed. The Reuse Analyzer for Asset Transformation Workbench Technical preview can read a repository created by Asset Transformation Workbench Analyzer for Eclipse V2.1.

Refer to the readme included in the product installation image for more planning information.

Customer responsibilities: Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances your productivity, with voice and electronic access into IBM support organizations.

Packaging: The Asset Transformation Workbench Analyzer for Eclipse Passport Advantage media packages are distributed with the basic machine-readable material on CDs and a hardcopy Quick Start Guide.

Security, auditability, and control

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

Software Services

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Ordering information

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Product information

Licensed function title	Product group	Product category
IBM Asset Transformation Workbench Analyzer for Eclipse	WebSphere	WebSphere Tools
Program name	PID number	Charge unit description
IBM Asset Transformation Workbench Analyzer for Eclipse	5724-R03	Authorized User
IBM Asset Transformation Workbench Analyzer for Eclipse	5724-R03	Authorized User

Charge metrics definitions

Authorized user

An authorized user is one and only one individual (named or unnamed) within or outside your enterprise. A PoE must be obtained for each individual user accessing the program in any manner. A program licensed under an authorized user PoE may be installed on a single computer or server, and accessed by multiple users, provided that a PoE has been obtained for each individual user accessing the program either directly or indirectly (via a multiplexing program, device, or application server) through any means on behalf of the user.

Part description	Part number
IBM Asset Transformation Workbench Analyzer for Eclipse (5724-R03)	
Asset Trans Wrkbench Analyzer for Eclipse zSeries Auth User(s) License & SW Maint 1 yr	D59IZLL
Asset Trans Wrkbench Analyzer for Eclipse zSeries Auth User(s) SW Maint Annual Renewal	E030HLL
Asset Trans Wrkbench Analyzer for Eclipse zSeries Auth User(s) SW Maint Reinstatement	D59JOLL
Asset Trans Wrkbench Analyzer for Eclipse Auth User(s) Lic & SW Maint 1 yr	D59ITLL
Asset Trans Wrkbench Analyzer for Eclipse Auth User(s) SW Maint Annl Renewal	E030ELL
Asset Trans Wrkbench Analyzer for Eclipse Auth User(s) SW Maint Reinstatement	D59IULL

Order the zSeries part numbers when there is an intention to acquire this cross-platform product as part of a purchase that includes software products for zSeries. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

Passport Advantage supply

Program name/description	Part number
Asset TransWkbch AnalEclps V2.1.0 Media Pack Multilingual (Korean, Japanese, English) Windows 2000, Windows XP, Windows Server 2003 CD-ROM Digital Disk — ISO 9660 Standard V2.1.0	BA0LCML

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

Asset TransWkbch AnalEclps V2.1.0

Entitled maintenance offerings description	Media packs description	Part number
Asset Transform Wrkbnch Analyzer for Eclipse Authorized User	Asset TransWkbch AnalEclps Multilingual (Korean, Japanese, English) Windows 2000, Windows XP, Windows Server 2003 CD ROM Digital Disk — ISO 9660 Standard	BA0LCML
Asset Transfrm Wrkbnch Analyzer for Eclipse zSer Auth User	Asset TransWkbch AnalEclps Multilingual (Korean, Japanese, English) Windows 2000, Windows XP, Windows Server 2003 CD ROM Digital Disk — ISO 9660 Standard	BA0LCML

Asset Transformation Workbench family of products

Asset Transformation Workbench Analyzer for Eclipse is part of the Asset Transformation Workbench family of offerings. Below is a list of all part numbers for the other members of the Asset Transformation Workbench family.

Part description	Part number
IBM Asset Transformation Workbench (5724-L54)	
Asset Transformation Wkbench zSeries Auth User(s) License & SW Maintenance 1 yr	D54VZLL
Asset Transformation Wkbench zSeries Auth User(s) SW Maintenance Annual Renewal	E01QGLL
Asset Transformation Wkbench zSeries Auth User(s) SW Maintenance Reinstatement	D54WOLL
Asset Transformation Wkbench zSeries Media Pack	BA0DWML
Asset Transformation Wkbench Authorized User(s) License & SW Maintenance 1 yr	D54VXLL
Asset Transformation Wkbench Authorized User(s) SW Maintenance Annual Renewal	E01QFLL
Asset Transformation Wkbench Authorized User(s) SW Maintenance Reinstatement	D54VYLL
Asset Transformation Wkbench Media Pack	BA0DWML
IBM Asset Transformation Workbench Business Rules Extension (5724-L54)	
ATW Business Rules Extension zSeries Auth User(s) License & SW Maintenance 1 yr	D54W8LL
ATW Business Rules Extension zSeries Auth User(s) SW Maintenance Annual Renewal	E01QKLL
ATW Business Rules Extension zSeries Auth User(s) SW Maintenance Reinstatement	D54W9LL
ATW Business Rules Extension zSeries Media Pack	BA0DXML
ATW Business Rules Extension Authorized User(s) License & SW Maintenance 1 yr	D54W1LL
ATW Business Rules Extension Authorized User(s) SW Maintenance Annual Renewal	E01QHLL
ATW Business Rules Extension Authorized User(s) SW Maintenance Reinstatement	D54W2LL
ATW Business Rules Extension Media Pack	BA0DXML

IBM Asset Transformation Workbench Architect Extension (5724-L54)	D54WCLL
ATW Architect Extension zSeries Auth User(s) License & SW Maintenance 1 yr	E01QMLL
ATW Architect Extension zSeries Auth User(s) SW Maintenance Annual Renewal	D54WDLL
ATW Architect Extension zSeries Media Pack	BA0DYML
ATW Architect Extension Authorized User(s) License & SW Maintenance 1 yr	D54WALL
ATW Architect Extension Authorized User(s) SW Maintenance Annual Renewal	E01QLLL
ATW Architect Extension Authorized User(s) SW Maintenance Reinstatement	D54WBLL
ATW Architect Extension Media Pack	BA0DYML

Order the zSeries part numbers when there is an intention to acquire this cross-platform product as part of a purchase that includes software products for zSeries. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

The Business Rules Extension and the Application Architect Extension require the base Asset Transformation Workbench product (sold separately) to be installed first.

For more information on Asset Transformation Workbench V2.1, refer to Software Announcement 206-129, dated June 6, 2006.

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Agreement: IPLA including the License Information (LI) document and PoE govern your use of the program. PoEs are required for all authorized use.

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This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

LI form number

Program name	Program number	Form number
Asset Transformation Wkbnch Analyzr for Eclipse	5724-R03	L-JDEE-6RPV3S

The program LI will be available for review on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

Limited warranty: Yes

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Volume orders (IVO): No

iSeries™ Software Maintenance applies: No

Educational allowance available: Not applicable

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