



IBM Rational Asset Analyzer V6.0 enhances application asset analysis

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At a glance

Rational® Asset Analyzer V6.0 delivers the following functions:

- Functional alignment and renaming of IBM® WebSphere® Studio Asset Analyzer
- Enablement of practical Business Rule mining for application modernization projects
- Access to application knowledge through a comprehensive RESTful interface
- Expanded developer environment value through IBM Rational Developer for System z® Remote Project support
- Improved user experience through infrastructure enhancements

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

Rational Asset Analyzer V6.0 takes application asset analysis to a new level through improved performance, enhanced usability and new capabilities related to the identification of business rules embedded in existing application source. With V6.0, the IBM WebSphere Studio Asset Analyzer product, which provided z/OS-based asset analysis capabilities, is renamed to Rational Asset Analyzer for System z and brought into functional alignment with the Windows-based Rational Asset Analyzer product.

The Rational Asset Analyzer and Rational Asset Analyzer for System z products add capabilities for practical business rule modernization, in concert with WebSphere ILOG® Business Rule Management System (BRMS). Business Rule Modernization is the extraction of rules that are embedded in application code and then to be managed in ILOG JRules BRMS. Incremental application modernization with managed business rules can provide improved agility and faster time to market.

Rational Asset Analyzer V6.0 provides access to its repository of application knowledge through a comprehensive RESTful interface, which replaces the existing limited web services capabilities. For the individual developer, the Eclipse-based integration with the Rational Developer for System z product is enhanced to support Rational Developer for System z Remote z/OS® Projects in a local Rational Asset Analyzer instance.

To allow more comprehensive analysis, Rational Asset Analyzer V6.0 now offers the ability to scan for symbols in any type of file scanned with the Rational Asset Analyzer symbol scanner, incorporating the results into the Rational Asset Analyzer repository and including the information in the analysis facilities. Rational Asset Analyzer V6 delivers significant speed, memory usage, and scalability improvements in J2EE artifact analysis along with simplification of the scanning of distributed artifacts. A number of incremental customer enhancement requests are also incorporated.

Key prerequisites

For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

- December 7, 2010: Electronic availability
- December 10, 2010: Physical availability

Description

Today's business climate challenges companies to be agile, to adapt to changes in time to make a difference. For the application development teams, this translates to delivering changes and enhancements in much shorter time frames, often days rather than months, and do this with less cost, less business risk and fewer skills.

The ratio of available skills and detailed application knowledge with respect to the application inventory changes as teams shrink leaving fewer people to deal with the growing diversity and complexity of the company's business application solution. The ability to capture and work with knowledge about application structure, embedded business rules, relationships, control flows, and interdependencies with the databases, transactions and batch jobs becomes crucial.

Application development teams who use Rational Asset Analyzer and Rational Asset Analyzer for System z products can capture, maintain, and take advantage of application knowledge using a repository accessible to people via web and Eclipse interfaces and to programming via a RESTful interface.

The Rational Asset Analyzer and Rational Asset Analyzer for System z products can provide the knowledge that empowers application development teams to work more effectively and productively.

The Rational application asset analysis capabilities are delivered in two product packages:

- Rational Asset Analyzer for System z executing in the z/OS environment
- Rational Asset Analyzer executing in the Windows® environment

The previous corresponding z/OS product was named WebSphere Studio Asset Analyzer. With Version 6, this product is renamed Rational Asset Analyzer for System z. Rational Asset Analyzer for System z is functionally aligned with Rational Asset Analyzer as they share a common code base. Rational Asset Analyzer for System z offers the capability of scanning source and environmental information in place on z/OS. The Java™ scanning capabilities remain based on Windows or AIX® platforms.

IBM Rational Asset Analyzer for the Windows environment includes licenses for the WebSphere Application Server and DB2® products limited to use with Rational Asset Analyzer; consistent with the normally stand-alone nature of Windows deployments. Rational Asset Analyzer offers several pricing metrics: Authorized User Single Install, and Floating User Single Install. The Processor Value Unit pricing metric is no longer available as of V6. For details, refer to Software Withdrawal Announcement [910-259](#),

dated October 26, 2010. Rational Asset Analyzer scans z/OS source and Java assets on the Windows platform and provides the capability to access z/OS configuration and environment information of interest.

To ensure a company is viable in the marketplace, it has to quickly adapt the rules that govern business decisions to changes in the marketplace. In most situations, business decisions are made using rules encoded in the application source and its databases. Being able to identify how decisions are made using what rules and where in the source those rules reside is key to being able to adapt.

The Rational Asset Analyzer and Rational Asset Analyzer for System z V6, working in collaboration with WebSphere ILOG Business Rule Management System (BRMS), make business rule identification projects more practical. Accessible through enhanced web interface technologies, the Rational Asset Analyzer V6 products support a new set of business rule assets and a business rule vocabulary, one that is consistent with or even imported from the ILOG BRMS vocabulary. The Rational Asset Analyzer and Rational Asset Analyzer for System z support for business rule identification is implemented as a natural extension to the assets the software already analyzes. Rational Asset Analyzer and Rational Asset Analyzer for System z provide facilities to map the business terms used in rules to the terms the developers used in the code. With Rational Asset Analyzer and Rational Asset Analyzer for System z facilities, the user can identify the source statements that implement the rules and capture those rules with ILOG rules editors for validation and management. The business rules related UI in Rational Asset Analyzer takes advantage of web 2.0 technologies in the web browser-based environment only.

As a result of the source and environment scanning processes, Rational Asset Analyzer and Rational Asset Analyzer for System z accumulate a wealth of application knowledge captured, organized and persisted in relational database (DB2) repository. While Rational Asset Analyzer and Rational Asset Analyzer for System z provide a great deal of in-depth analysis complete with web and Eclipse-based displays, there is always more to learn, and more ways to use the persisted knowledge. The power of this knowledge extends far beyond the interfaces provided out of the box in the product. To that end, the repository data schema is documented and access to the repository, as of V6, is provided through a comprehensive RESTful interface. The RESTful interface replaces the existing web services facilities, which are being deprecated in this version. Users can also customize and enhance the existing user interface using custom queries, user-defined relationships and user-defined metrics.

Starting with Rational Asset Analyzer V5.5.1, a Rational Asset Analyzer integration Eclipse plug-in for Rational Developer for System z allows the Rational Developer for System z user to access Rational Asset Analyzer knowledge and analysis within the Rational Developer for System z working environment. This includes accessing a locally installed Rational Asset Analyzer instance to scan source in the Rational Developer for System z local project workspace as well as accessing remote instances of Rational Asset Analyzer and WebSphere Studio Asset Analyzer. With V6, the Rational Asset Analyzer integration plug-in is enhanced to provide scanning capabilities for source in the Rational Developer for System z remote as well as local project workspaces. Additionally, the Rational Asset Analyzer integration plug-in is packaged both with Rational Asset Analyzer and Rational Asset Analyzer for System z.

A lot of useful information about applications can be derived from unstructured data, especially when placed in the context of semantically annotated, structured data. Rational Asset Analyzer and Rational Asset Analyzer for System z V6 distributed scanning introduce an unstructured symbol scan capability. This allows symbols, essentially character sequences that are not common words, to be added to the inventory. The symbol search, custom query and relationship analysis functions broadens the application knowledge and enhances the usefulness of the analysis to language agnostic shallow coverage of any file.

The J2EE artifact analysis capabilities in the Rational Asset Analyzer products are simplified in V6. The manual steps to invoke the distributed scanner and identify the scan root are eliminated. The Java artifacts can now be queued for analysis through the same Inventory wizard used for MVS™ artifacts and the scan process starts

without the need for user intervention. Additionally, the analysis times for Java artifacts are massively reduced. In IBM test environments, reductions were greater than 80% when performing local scans and as high as 95% when performing remote scans, for example, scanning Java artifacts on a Windows server from Rational Asset Analyzer for System z. Memory consumption is improved.

To support Windows 7, Rational Asset Analyzer V6 includes components required for compiler-based scanning of COBOL and PL/I. This removes the dependency on having Rational Developer for System z installed for compiler-based scanning.

The user experience is crucial when working with the amount and diversity of knowledge available with Rational Asset Analyzer and Rational Asset Analyzer for System z. Version 6 is part of an on-going effort to improve the usability and thus the effectiveness of the web user interface of Rational Asset Analyzer and Rational Asset Analyzer for System z. The new Business-Rules-related dialogs take advantage of web 2.0 technologies to make the interactions more intuitive. The user will notice additional user interface enhancements throughout Version 6 designed for improved usability and addressing client enhancement requests.

Value Unit-based pricing

Value Unit pricing for eligible IBM System z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool website

<http://ibm.com/zseries/swprice/vuctool>

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Product positioning

Rational Asset Analyzer and Rational Asset Analyzer for System z V6 contain major enhancements which promote more integrated business solutions.

The support for Business Rule identification and capture is designed in concert with the WebSphere ILOG Business Rule Management System products and integrates with them through business vocabulary and business rule interchanges. These capabilities are ideal for clients using the Rational Transformation Workbench offerings for which IBM announced the end of support. For details, refer to Software Withdrawal Announcement [910-097](#), dated April 13, 2010.

Rational Asset Analyzer and Rational Asset Analyzer for System z include an Eclipse plug-in to integrate asset analysis capabilities into the integrated development environment provided by Rational Developer for System z. This plug-in, referred to as Rational Asset Analyzer integration, is focused on helping a developer by showing the impact of the changes being made across the source code base.

The Rational Asset Analyzer and Rational Asset Analyzer for System z products can enable teams to capture, maintain and take advantage of application knowledge using a repository accessible to people via web and Eclipse interfaces and to programming via a RESTful interface. The RESTful interface along with the published data schema allows this information to be part of reporting and dashboard offerings such as Rational Insight as well as broader analysis efforts such as those provided by Cognos®.

Program number

Program number	VRM	Program name
5724-V27	6.0	IBM Rational Asset Analyzer
5655-W57	6.0	IBM Rational Asset Analyzer for System z

Product identification number

Program PID number	Subscription and Support PID number
5655-W57	5655-G49

Offering Information

Product information is available via the Offering Information website

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

Publications

No publications are shipped with this program.

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, free of charge.

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=210-362>

Technical information

Specified operating environment

Hardware requirements

Hardware requirements for Windows

- Processor: 1 GHz MHz Intel® Pentium® 32- or 64-bit, or higher
- Memory minimum: 2 GB RAM, 3 GB recommended
- Disk space: Minimum 2 GB of disk space is required to install the product
- Additional disk space is required for data
- Display: 1024 x 768 display minimum using 256 colors

Hardware requirements for z/OS

- z/OS 1.8 or later

Software requirements

Windows

Compatible Microsoft® Windows operating systems include:

- Windows XP Professional SP3 x86, 32- or 64-bit
- Windows Server 2003 x86, 32 and 64 editions
- Windows Server 2008 x86, 32 and 64 editions
- Windows 7 x86, 32 and 64 editions, and Professional and Ultimate editions

The machine on which you are installing Rational Asset Analyzer V6, must have supported versions of DB2, WebSphere Application Server, and Open Object Rexx installed and all must be verified to be working properly.

Rational Asset Analyzer ships with DB2 V9.7 and WebSphere Application Server V7.0 with licenses limited to use with Rational Asset Analyzer on Windows.

One of the following DB2 versions:

- DB2 V9.5 or above
- DB2 Enterprise Server Edition V9.5, 32- or 64-bit

One of the following WebSphere Application Server versions:

- WebSphere Application Server V6.1 Enterprise or WebSphere Application Server V7 (no Express® editions)
- WebSphere Application Server V6.1 with latest fix packs, 32- or 64-bit
- WebSphere Application Server V7, 32- or 64-bit

Open Object REXX™ 3.2, a no-charge product available at

<http://www.oorexx.org/download.html>

Microsoft Internet Explorer V8.0

An Eclipse plug-in is provided for use with Rational Developer for System z.

z/OS

One of the following DB2 editions:

- DB2 UDB for z/OS V8.1 (5625-DB2), Service Level UK00265, or later, and IBM DB2 Utilities Suite for z/OS V8.1 (5655-K61)
- DB2 for z/OS V9.1 (5635-DB2), and IBM DB2 Utilities Suite for z/OS V9.1 (5655-N97)

Note: RUNSTATS in IBM DB2 Utilities Suite for z/OS is required for tuning the Rational Asset Analyzer repository.

One of the following WebSphere Application Servers:

- WebSphere Application Server for z/OS V6.1 (5655-N01), or later installed on the host with Rational Asset Analyzer is a minimum requirement
- WebSphere Application Server V7

For Rational Asset Analyzer for System z scanning of distributed assets on Windows or AIX, you need to provide Java runtime 1.5 or later and install REXX 3.2.

For Rational Asset Analyzer for System z deploying the Rational Asset Analyzer web applications on Windows or AIX, you must have the following installed on Windows or AIX:

- One of the following:
 - WebSphere Application Server V6.1, installed on a server or workstation running Windows Server 2003 Datacenter/Enterprise/Standard (SP1, or later) or AIX 5L™ 5.2 or 5.3
 - WebSphere Application Server V7
- DB2 Connect™ Enterprise Edition V9.5

To access Rational Asset Analyzer from a client workstation, use Microsoft Internet Explorer 8.0, or later. Rational Asset Analyzer takes advantage of Adobe® technology to render graphics in scalable vector graphics (SVG) format. Currently, the Adobe web browser plug-in for SVG exists in its most robust form only for Internet Explorer.

To access Rational Asset Analyzer programmatically

- Use Rational Asset Analyzer REST interface
- If accessing DB2 directly, use any supported DB2 client or other method of issuing SQL commands against the Rational Asset Analyzer repository in DB2
- If doing mash-ups or launching the user interface of Rational Asset Analyzer from another program, use the API website.

The following software is required if you plan to scan related source or runtime assets in Rational Asset Analyzer.

- If you plan to scan DB2 catalog information, any of the following:
 - DB2 UDB for z/OS V8.0.1 (5625-DB2) with PTF UK00265, or later
 - DB2 for z/OS V9 (5635-DB2), or later
- If you plan to scan IMS™ database information in Rational Asset Analyzer, any one of the following is required:

- IMS V6 (5655-158)
- IMS V7 (5655-B01)
- IMS V8 (5655-C56)
- IMS V9 (5655-J38)
- IMS V10 (5635-A01)
- If you plan to do IMS DBD and PSB control block analysis, IMS Library Integrity Utilities for z/OS V1 (5655-I42) is required.
- If you plan to do CICS® region scanning in Rational Asset Analyzer, any one of the following is required:
 - CICS Transaction Server V2.2 or V2.3 (5697-E93)
 - CICS Transaction Server V3.1 (5655-M15)
- If you plan to use the COBOL and/or PLI compiler-based scanning support:
 - Enterprise COBOL for z/OS V3.3, with PTF UQ97019 or V3.4 with PTF UK17513 (5655-G53)
 - Enterprise PL/I for z/OS V3.3, with PTF UK06462 or V3.4 or V3.5 or V3.6 (5655-H31)
- If you plan to scan Assembler, High Level Assembler for MVS and VM and VSE V1.4 or V1.5, or later (5694-234) is required.
- If you plan to scan from Serena ChangeMan ZMF, Serena Changeman ZMF V5.3 is required.
- If you plan to scan from CVS, CVS client 1.11.1.2 (Build 41) is required.
- If you plan to scan from PVCS (Windows only), PVCS 6.8.0.0 is required.
- If you plan to scan from ClearCase®, ClearCase 2003 is required.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Limitations

For additional information, refer to [Usage restriction](#) topic in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

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

Planning information

Packaging

Rational Asset Analyzer V6.0 (5724-V27)

- Rational Asset Analyzer V6.0
- WebSphere Application Server V7.0
- IBM DB2 Enterprise Server Edition V9.7
- Rational Asset Analyzer Quick Start Guide V6.0
- Rational Asset Analyzer Quick Start CD V6.0
- Rational Asset Analyzer for System z License Information V6.0

Rational Asset Analyzer for System z V6.0 (5655-W57)

- Rational Asset Analyzer for System z V6.0
- Rational Asset Analyzer for System z License Information V6.0
- Rational Asset Analyzer for System z Program Directory V6.0

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

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

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

Ordering information

License function title	Product group	Product category
IBM Rational Asset Analyzer	Rational for System z Tools	Rational for System z Tools
Charge metric		
Program name	Part number or PID number	Charge metric
Rational Asset Analyzer	5724-V27	Authorized User Single Install Authorized User Single Install for System z Fixed term license per Authorized User Single Install Fixed term license per Authorized User Single Install for System z Floating User Single Install

		Floating User Single Install for System z
		Fixed term license per Floating User Single Install
		Fixed term license per Floating User Single Install for System z
Rational Asset Analyzer for System z	5655-w57	Value Unit
		On off Capacity on demand Temporary Use Charge

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Passport Advantage®

Program name/Description	Part number
Rational Asset Analyzer	
Rat1 Asset Analyzer per Float User Single Install Lic + SW S&S 12 Mo	D0GKYLL
Rat1 Asset Analyzer per Float User Single Install Annual Annual SW S&S Rnw1	E0APELL
Rat1 Asset Analyzer per Float User Single Install SW S&S Reinstate 12 Mo	D0GKZLL
Rat1 Asset Analyzer per Flt User Single Inst1 sys z Lic + SW S&S 12 Mo	D0GL1LL
Rat1 Asset Analyzer per Flt User Single Inst1 sys z Annual SW S&S Rnw1	E0APFLL
Rat1 Asset Analyzer per Flt User Single Inst1 sys z SW S&S Reinstate 12 Mo	D0GL2LL
Rat1 Asset Analyzer per Float User Single Install Init1 FT Lic+S&S 12 Mo	D0GM5LL
Rat1 Asset Analyzer per Float User Single Install SubSq FT Lic+S&S 12 Mo	E0APULL
Rat1 Asset Analyzer per Flt User Single Inst1 sys z Init1 FT Lic+S&S 12 Mo	D0GM6LL
Rat1 Asset Analyzer per Flt User Single Inst1 sys z SubSq FT Lic+S&S 12 Mo	E0APVLL

Passport Advantage trade up

Below is a list of precursor products for which you must have already acquired a license, in order to be eligible to acquire equivalent licenses using the trade-up part numbers.

Precursor product	Trade-up product	Trade-up part number
RAA AUSI Lic + SW S&S 12 Mo	RAA® per Float User Single Install Lic + SW S&S 12 Mo	D0GL0LL
RAA AUSI z Lic + SW S&S 12 Mo	RAA per Float User Single Install z Lic + SW S&S 12 Mo	D0GL3LL

Consult your IBM representative if you have any questions.

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.

Media pack description	Part number
Rational Asset Analyzer V6.0	BT0D9ML

Basic license

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.2

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: IBM Rational Asset Analyzer for System z V6.0
Program PID: 5655-W57

Entitlement identifier	Description	License option/Pricing metric
S016GZX	IBM Rational Asset Analyzer for System z V6.0	Basic OTC, Per Value Unit Basic OTC, Per MSU-Day TUC
Orderable supply ID	Language	Distribution medium
S016GZZ	English	3480 Tape
S016H00	Japanese	3480 Tape
S016H01	Korean	3480 Tape
S016H02	English	3590 Tape
S016H03	Japanese	3590 Tape
S016H04	Korean	3590 Tape

Subscription and Support PID: 5655-G49

Entitlement identifier	Description	License option/Pricing metric
S00V941	Rational Asset Analyzer for System z Subscription and Support	Basic ASC, Per Value Unit SW S&S Per MSU SW S&S Registration No Charge, Decline S&S

Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance. This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390® and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, SystemPac®.

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac, include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability
- SystemPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

Agreement for Acquisition of Software Maintenance

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

L-DLIU-893S3B

The program's License Information will be available for review on the IBM Software License Agreement website

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the *IBM Software Support Handbook* found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program support

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Usage restriction

Yes

For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

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

Software Subscription and Support (Software Maintenance) applies

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

IBM includes one year of Software Subscription and Support (Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option.

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<http://www.ibm.com/support/handbook>

Software Subscription and Support (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 additional information about the Passport Advantage Agreement, visit the Passport Advantage Web site at

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

All distributed software licenses include Software Subscription and Support (Software Maintenance) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage, for a total of three years from date of acquisition, may be elected. For additional information, refer to Changes to Distributed Software Products Model for Products Outside Passport Advantage Software Announcement [201-201](#), dated July 10, 2001.

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Products eligible for single version charging

Replaced program Program number	Program name	Replacement program Program number	Program name
5655-R10	IBM webSphere studio Asset Analyzer	5655-W57	IBM Rational Asset Analyzer for System z

Sub-capacity terms and conditions

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution-based, z/OS-based, full-machine-based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

Execution-based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Full-machine-based: The required license capacity of a System z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit*, Z125-3901, or visit the Mainframes section of the System z Exhibits website

<http://ibm.com/zseries/library/swpriceinfo/>

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to where MLC pricing is aggregated across the sysplex.

Sub-capacity eligibility

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems.
- Any licenses for the OS/390 operating system must be discontinued
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode.

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing website

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing* (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

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The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

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Corrections

(Corrected on January 5, 2011)

The Software requirements section is revised.