



IBM Tools Base for z/OS delivers higher levels of autonomies

Table of contents

1 Overview	6 Technical information
2 Key prerequisites	9 Ordering information
2 Planned availability date	11 Terms and conditions
2 Description	15 Prices
5 Program number	16 Order now
5 Publications	

At a glance

IBM® Tools Base for z/OS®, V1.4 (5655-V93) assists IBM DB2® and IBM IMS™ tools products in delivering key strategic architectures.

For ordering, contact Your IBM representative or an IBM Business Partner.
For more information contact the Americas Call Centers at
800-IBM-CALL (426-2255).

Reference: LE001

Overview

IBM Tools Base for z/OS , V1.4 includes upgrades to existing components and adds new support to enable a higher level of autonomies. The following enhancements are offered:

- Autonomics Director component
 - Active autonomies for the separately licensed IBM IMS Database Solution Pack for z/OS , V1.2 (5655-S77)
 - User-defined groups
 - Ability to manage and coordinate reorganization of multiple IMS database groups as if reorganizing a single database
 - Changed the repository content for extendibility and consistency with other IMS Tools Knowledge Base (IMS Tools KB) component repositories
- Policy Services component
 - Extended notification services
- Administration Console component
 - Single logon support for bringing together resources from various environments across the enterprise
 - Support for running on z/OS the Administration Console Server component
 - Ability to view and update peak autonomies scheduling windows
 - Ability to manage the Autonomics Director Monitor List and initiate sensor collection and policy evaluation on demand

Key prerequisites

Tools Base for z/OS , V1.4 will operate on any System z® hardware configuration that supports the required software. Refer to the [Hardware requirements](#) and [Software requirements](#) sections for details.

Planned availability date

May 24, 2013

Description

IBM Tools Base for z/OS , V1.4 (5655-V93) is part of the Information Management Tools portfolio, providing common infrastructure used by various IBM DB2 and IMS Tools products. Tools Base for z/OS offers technologies and services that assist DB2 and IMS tools in delivering key strategic architectures. Tools Base for z/OS consists of:

- **Autonomics**

- The Autonomics Director component offers much needed automation in the area of ongoing IMS database monitoring and maintenance. Sensor-enabled IMS tools capture the state of specific database conditions and store this data in a centralized repository. The Autonomics Director component uses the Policy Services component to evaluate this data and to make recommendations, such as indicating when performing database reorganization might be desirable.
- The IMS Tools Knowledge Base (IMS Tools KB) component provides common services for storing and viewing resources, such as reports, sensor data, policies, rules, notification lists, database state (sensor) data, exceptions, recommendations, and evaluation schedules, that are generated or used by certain IBM tools.
- The Policy Services component is a core IMS Tools technology that supports certain IBM tools in providing conditional autonomic database health management functionality that may execute based on a specific IMS system status.

- **Modernization**

- The Administration Console component presents data through its web interface to help users gain additional or extended insight into the health and availability of IMS databases.
- An Eclipse-based GUI for improved usability allows the separately licensed IBM IMS Batch Terminal Simulator for z/OS , V4.1 (5655-BT4) to be used with IBM Rational® Developer for z/OS and IBM Debug Tools for z/OS for simplified and seamless development, test, and debugging of applications. The front end GUI can operate stand-alone or as a plug-in to the Rational development platform.
- The IMS Batch Terminal Simulator Resource Adapter component allows you to use a separately licensed IMS Batch Terminal Simulator for z/OS to test Java™ 2 Connector (J2C) applications that drive IMS Transactions from the Websphere Application Server environment.

- **Common services**

- The Connection Server component consolidates function access from certain IBM tools and allows you to access this function from distributed platforms.
- A Distributed Access Infrastructure enables authorized access to configured IMS tools from authenticated TCP/IP clients.
- The IMS Tools Generic Exits component offers a set of specialized utilities that can be used by separately licensed IBM IMS tools to manage various interfaces, including the managing of IMS exits and commands.

- The IMS Tools Online System Interface component is a command interface that allows separately licensed IBM IMS tools to interface with all supported versions of IMS .
- **Supplementary tools**
 - The IBM Tools Customizer for z/OS is a component of Tools Base that can be leveraged by various IBM DB2 Tools that have been enabled to allow the Tools Customizer to assist in post-installation customization by providing a process that allows you to customize and recustomize such IBM DB2 Tools and their maintenance.
 - The IMS Hardware Data (HD) Compression Extended component offers functions for compressing IMS data by using the z/OS hardware data compression (HDC) that is available on IBM processors. It allows you to create, monitor, and manage compressed databases, and to evaluate compression impact through an ISPF user interface.

Tools Base for z/OS , V1.4 includes upgrades to existing components and adds new support to enable a higher level of autonomics. The following enhancements are offered:

- Autonomics Director component
 - Active autonomics for the separately licensed IBM IMS Database Solution Pack for z/OS , V1.2 (5655-S77)
 - User-defined groups
 - Ability to manage and coordinate reorganization of multiple IMS database groups as if reorganizing a single database
 - Changed the repository content for extensibility and consistency with other IMS Tools KB component repositories
- Policy Services component
 - Extended notification services
- Administration Console component
 - Single logon support for bringing together resources from various environments across the enterprise
 - Support for running on z/OS the Administration Console Server component
 - Ability to view and update peak autonomics scheduling windows
 - Ability to manage the Autonomics Director Monitor List and initiate sensor collection and policy evaluation on demand

Autonomics Director

By using the Autonomics Director component of the Tools Base for z/OS , V1.4 program, IBM IMS Database Solution Pack for z/OS , V1.2 (5655-S77) and IBM IMS Fast Path Solution Pack for z/OS , V1.2 (5655-W14) (both separately licensed) can implement automation of tools execution, using detailed understanding of the current state of the IMS databases.

The Autonomics Director component offers valuable automation in the area of ongoing IMS database monitoring and maintenance.

What is new:

- Active autonomics for IMS Database Solution Pack for z/OS , V1.2: The active autonomics functionality builds on passive autonomics, but takes a recommended action to the next step by allowing you to have it automatically act on the recommended action. For example, the Autonomics Director component can not only recommend reorganization, but allows you to have it optionally initiate the reorganization job stream and tracks it through to completion.
- User-defined groups: The Autonomics Director component now contains a generic user grouping facility. This facility is used by the Autonomics Director component and tools included in IMS Database Solution Pack for z/OS , V1.2 and IMS Fast Path Solution Pack for z/OS , V1.2 to allow you to group databases and attributes for activities related to the entire group. This facility is the basis for

the group managed reorganization mentioned below. The Autonomics Director component's user interface allows the creation of groups from a list of database resources defined in the your DBDLIB or DBRC groups. Autonomics Director grouping provides you with the flexibility to include a given database in one or more groups while DBRC grouping does not.

- The IMS Database Group Managed Reorganization functionality helps you define a database group to be reorganized as a single unit. This is especially advantageous when the group contains databases with external logical relationships. It also extends the power of grouping using the Autonomics Director component's functionality beyond definitional convenience and into the operational environment. The ability to initiate and control reorganization by group adds convenience and parallelism to the reorganization process. This can aid you by helping to reduce the amount of time and manual intervention required to maintain and optimize the databases.
- A batch client interface allows for closer integration with your external job schedulers for simplified operations.
- The notification services functionality is also broadened to include other system notification types such as REORG/PREGMR/POSTREORG/POSTGMR.

IMS Tools Knowledge Base

- The IMS Tools KB component is enhanced to support the Rename RECON function.

Policy Services

- The Policy Services component is enhanced to support the Autonomics Director component by extending its user notification services, which are used to notify you of successful completion or failure of Autonomics Director's scheduled processes.

Administration Console

The Administration Console component provides a single consolidated web interface through which a DBA can gather information to provide added insight into the health and availability of IMS databases. The Administration Console component is capable of communicating with various IBM IMS tools running throughout the enterprise in order to bring together distributed information into a dashboard style interface that assists both experienced and new IMS DBAs in investigating, troubleshooting, and predicting future database health.

Together with the extensions provided by IMS Database Solution Pack for z/OS , V1.2 and IMS Fast Path Solution Pack for z/OS , V1.2, the Administration Console component offers:

- A comprehensive dashboard, providing information specific to the selected database or database group
- Simplified web access so that reports can be stored within the IMS Tools KB component; such as, for example, reports generated by the tools within the IMS Database Solution Pack for z/OS or the IMS Fast Path Solution Pack for z/OS
- Ability to provide graphical visualization and charting of database sensor data gathered by any of the tools in the IMS Database Solution Pack for z/OS or the IMS Fast Path Solution Pack for z/OS
- Listings of exceptions generated by the evaluation of policies and their corresponding recommendations offered by the Autonomics Director component
- The ability to easily examine database free space, database fragmentation, and index optimization, and to show trends in database growth, rate of fragmentation, and more

Additionally, new functionality enables you to do the following:

- View databases from across the enterprise from a single logged in session.
- Run the server of the Administration Console component on z/OS , allowing for easier deployment and maintenance in your environments.

- View and update peak scheduling windows for specifying when sensor data collection and policy evaluation can take place.
- Update the monitor list of the Autonomics Director component by specifying which databases should be actively monitored.
- Initiate® sensor collection and policy evaluation on demand.
- Obtain comprehensive guidance for setting up, configuring, and performing key database administration tasks through the embedded user assistance.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

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

Section 508 of the US Rehabilitation Act

The products in this announcement are capable as of their general availability, 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.

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=213-154>

Reference information

Refer to Software Announcement t [211-384](#), dated October 11, 2011 .

Program number

Program number	VRM	Program name
5655-v93	1.4.0	IBM Tools Base for z/OS

Product identification number

Program PID number	Subscription and Support PID number
5655-v93	5655-v94

Offering Information

Product information is available via the Offering Information website

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

Publications

The IBM Publications Center portal is at

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

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 US) 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.

One copy of each of the following publications is supplied automatically with the material:

Title	Order number
IBM Tools Base for z/OS, V1.4 (5655-V93):	
License Information (1)	GC19-2899
Program Directory	GI10-8819
IBM Installation Manager for z/OS (5655-W65):	
Program Directory	GI11-9852

((1) Included with this publication order number are the Base License Agreements: (a) IBM International Program License Agreement (form Z125-3301) and (b) IBM Agreement for Acquisition of Software Maintenance (form Z125-6011).)

The publications for products in this announcement cannot be ordered in hardcopy. All the publications in this announcement are available at:

- For DB2 Tools
<http://www.ibm.com/support/docview.wss?uid=swg27020910>
- For IMS Tools
<http://www.ibm.com/support/docview.wss?uid=swg27020942>

Publications are available in PDF or BookManager® formats on the next release of the software product libraries, z/OS and Software Products DVD Collection (SK3T-4271), which requires a DVD drive in DVD-9 (single-sided, dual-layer) format.

Title	Order number
IBM Tools Base IMS Tools Common Services for z/OS User's Guide	SC19-3767
IBM Tools Base IMS Tools Knowledge Base for z/OS User's Guide	SC19-3768
IBM Tools Base IMS Hardware Data Compression Extended for z/OS User's Guide	SC19-3769
IBM Tools Base Policy Services for z/OS User's Guide	SC19-3770
IBM Tools Base Distributed Access Infrastructure for z/OS User's Guide	SC19-3771
IBM Tools Base Administration Console for z/OS User's Guide	SC19-3764
IBM Tools Base Autonomics Director for z/OS User's Guide	SC19-3765
IBM Tools Base Connection Server for z/OS User's Guide	SC19-3766

Specification sheets, user's guides, and white papers are also available on CD. This CD-ROM can be ordered from the IBM Publications Center Portal at

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

Technical information

Specified operating environment

Hardware requirements

Tools Base for z/OS , V1.4 operates on any System z hardware configuration that supports the required software.

IBM Tools Base Administration Console for z/OS (a component of Tools Base) requires:

- Server installed on z/OS : Any System z hardware configuration that supports the required version of z/OS
- Server installed on Microsoft™ Windows™ : Any hardware that is capable of running Microsoft Windows 7 (32 bit) or Microsoft Windows 7 (64 bit) with a minimum of:
 - 1 GB of memory
 - 500 MB free disk space

IBM Tools Base Connection Server for z/OS (a component of Tools Base) requires:

- Server: Any System z hardware configuration that supports the required version of z/OS
- Client: Any workstation that is capable of running Windows with a minimum of:
 - 1.5 GB of memory (Microsoft Windows Vista or Windows 7)
 - 1 GB free disk space

Software requirements

Mandatory installation and operational requirements

- IBM z/OS , V1.12 (5694-A01), or later
- IBM SMP/E for z/OS V3.5 (5655-G44), or later
- IBM Installation Manager for z/OS , V1.6.2 (1) (5655-W65), or later
 - (1) IBM Installation Manager for z/OS , V1.6.2 is required. Installation Manager for z/OS , V1.4.3 is delivered with IBM Tools Base for z/OS , V1.4. PTF UK91935 must be applied to Installation Manager for z/OS V1.4.3 to upgrade to V1.6.2.
- One of the following:
 - IBM 31-bit SDK for z/OS , Java 2 Technology Edition V7.0 (5655-W43)
 - IBM 64-bit SDK for z/OS , Java 2 Technology Edition V7.0 (5655-W44)

Conditional operational requirements

IBM Tools Base for z/OS , V1.4 requires one of the following supported IMS versions in support of the Tools Base IMS Hardware Data Compression Extended for z/OS , Tools Base IMS Tools Generic Exits for z/OS , Tools Base IMS Tools Online System Interface for z/OS , Tools Base Autonomics Director for z/OS (auto-discovery), and Tools Base Administration Console for z/OS components:

- IMS V11 (5635-A02)
- IMS V12 (5635-A03)
- IMS V13 (5635-A04) (2)
 - (2) Refer to the IMS V13 Software Announcement [212-373](#), dated October 03, 2012 , for more information or talk to your IBM representative.

For the post-SMP/E product customization of enabled DB2 and IMS Tools products, IBM Tools Customizer for z/OS is required. Tools Customizer for z/OS (FMID HTCZ110) is delivered as part of Tools Base for z/OS , V1.4.

IBM Tools Base Administration Console for z/OS on Windows requires:

- Windows 7 (32 bit) or Windows 7 (64 bit)

IBM Tools Base Administration Console for z/OS on z/OS requires one of the following:

- IBM 31-bit SDK for z/OS , Java 2 Technology Edition V7.0 (5655-W43)

- IBM 64-bit SDK for z/OS , Java 2 technology Edition V7.0 (5655-W44)

Any one of the following browsers can be used for the web interface:

- Mozilla Firefox 17, or later
- Google Chrome 24, or later

IBM IMS Database Solution Pack for z/OS , V1.2 (5655-S77) or IBM IMS Fast Path Solution Pack for z/OS , V1.2 (5655-W14) is required for graphical visualization and charting of database sensor data.

IBM Tools Connection Server for z/OS (a component of Tools Base) requires:

- Windows Vista (32 bit) or Windows 7 (32 bit) or Windows 7 (64 bit)

The IMS Batch Terminal Simulator plug-in for Eclipse (delivered with Tools Base) requires:

- IBM Rational Developer for System z 8.0.1 and its prerequisites or the Eclipse 3.6.2 environment or greater with the WTP plug-in available from <http://www.eclipse.org>

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.

User group requirements

This announcement satisfies or partially satisfies requirements from one or more of the worldwide user group communities. Groups include COMMON, COMMON Europe, Guide Share Europe (GSE), InterAction (Australia/New Zealand), Japan Guide Share (JGS), and SHARE Inc.

Tools Base for z/OS , V1.4 (5655-V93) satisfies the following requirements: MR0617106617 and MR0615092648

Planning information

Packaging

The programs in this announcement are distributed with the following content:

- Basic machine-readable material
- Program Directory
- IBM International Program License Agreement (IPLA)
- IBM Agreement for Acquisition of Software Maintenance (IAASM)

Security, auditability, and control

The announced program uses the security and auditability features of the host operating system software. 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

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 US 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.

Tools Base for z/OS (5655-V93) has two deliverables in the DBS group in ShopzSeries. One for IMS and one for DB2 . To order select product ID 5655-V93 with description:

- Tools Base for z/OS , IMS for IMS
- Tools Base for z/OS , DB2 for DB2

For more details and availability, visit the ShopzSeries website at

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

Charge metric

Program name	PID number	Charge metric
IBM Tools Base for z/OS, v1.4	5655-V93	Unlimited installs

Basic license

The program is no charge. Licensee may install and use an unlimited number of copies on any number of machines of any capacity.

Program name: Tools Base for z/OS, v1.4
Program PID: 5655-V93

Entitlement identifier	Description	License option/ Pricing metric
S015TXP	Tools Base for z/OS	No Charge, Unlimited installs
Orderable supply ID	Language	Distribution medium
S015TXN	US English	3590 Tape cartridge
S015WZD	US English	3590 Tape cartridge

Subscription and Support PID: 5655-V94

Entitlement identifier	Description	License option/ Pricing metric
------------------------	-------------	-----------------------------------

S015TXR	Tools Base for z/OS, S&S	No charge, unlimited installs SW S&S registration
Orderable supply ID	Language	Distribution medium
S015TXT	US English	Hardcopy pub

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.

Withdrawal from marketing information

A new product release within a version supersedes the release level that precedes it. Accordingly, the following product release will be withdrawn from marketing, effective on the date the new release becomes available.

Release to be withdrawn from marketing effective May 24, 2013

Name of product being withdrawn	Ver	Rel	Mod	Product number
IBM Tools Base for z/OS	1	3	0	5655-V93

Replacement information

IBM Tools Base for z/OS , V1.3.0 (5655-V93) is replaced by IBM Tools Base for z/OS , V1.4.0 (5655-V93) as announced in Software Announcement [213-154](#), dated May 07, 2013 .

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 and ServerPac. These customized offerings 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 Shopz 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 include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and, ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, visit the Help section on the Shopz website at

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

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.

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.

Agreement for Acquisition of Software Maintenance

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

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

Program name	Program number	License Information
Tools Base for z/OS, v1.4	5655-v93	GC19-2899

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

There is no charge for this program. Therefore, the Money Back Guarantee section of the International Program License Agreement does not apply to this program.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

No

Software Subscription and Support applies

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/sl/products>

IBM Operational Support Services - SoftwareXcel

Yes

System i Software Maintenance applies

No

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		Replacement program	
Program number	Program name	Program number	Program name
5655-085	IMS Hardware Data Compression Extended, v1	5655-v93	IBM Tools Base for z/OS, v1.4

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.

Program Number	Program Name	Terms	Parents - any of the following
5655-v93	Tools Base for z/OS	Full machine based	NA

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 System/370, System/390®*, and *System z Machine Exhibit (Z125-3901)*, or visit the Mainframes section of the System z Exhibits Web site

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

For more information on sub-capacity System z IPLA terms and conditions, refer to Software Announcement [204-184](#), dated August 10, 2004

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms add 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 might 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 the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

1. That meets the criteria defined in Hardware Announcement [198-001](#), dated January 13, 1998
2. 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 Web site

<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 eServer™ 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 eServer zSeries® 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.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered destroyed or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

The program is no charge. Licensee may install and use an unlimited number of copies on any number of machines of any capacity.

Program name: Tools Base for z/OS, v1.4
 Program PID: 5655-v93

Entitlement identifier	Description	License option/ Pricing metric
S015TXP	Tools Base for z/OS	No Charge, Unlimited installs
Orderable supply ID	Language	Distribution medium
S015TXN	US English	3590 Tape cartridge
S015WZD	US English	3590 Tape cartridge

Subscription and Support PID: 5655-v94

Entitlement identifier	Description	License option/ Pricing metric
S015TXR	Tools Base for z/OS, S&S	No charge, unlimited installs SW S&S registration

Orderable supply ID	Language	Distribution medium
S015TXT	US English	Hardcopy pub

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

<http://www.ibm.com/financing>

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

For more financing information, visit

<http://www.ibm.com/financing>

Order now

To order, contact your local IBM representative or your IBM Business Partner.

To identify your local IBM Business Partner or IBM representative, call 800-IBM-4YOU (426-4968). For more information, contact the Americas Call Centers.

Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)

For IBM representative: callserv@ca.ibm.com

For IBM Business Partner: pwswna@us.ibm.com

Mail: IBM Teleweb Customer Support
ibm.com® Sales Execution Center, Americas North
3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada L3R 2Z1

Reference: LE001

The Americas Call Centers, IBM's national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

Trademarks

IMS and eServer are trademarks of IBM Corporation in the United States, other countries, or both.

IBM, z/OS, DB2, System z, Rational, Initiate, BookManager, S/390, Passport Advantage, System/390, Parallel Sysplex, OS/390, z/Architecture, System z9, zSeries and ibm.com are registered trademarks of IBM Corporation in the United States, other countries, or both.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only. Additional terms of use are located at

<http://www.ibm.com/legal/us/en/>

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

<http://www.ibm.com/planetwide/us/>