



IBM Business Process Manager Advanced for z/OS , V8.5 manages core business processes on z/OS with integrity and enhanced visibility

Table of contents

1 Overview	6 Technical information
2 Key prerequisites	8 Ordering information
2 Planned availability date	11 Terms and conditions
2 Description	16 Prices
5 Program number	17 Order now
5 Publications	

At a glance

IBM® Business Process Manager (IBM BPM) Advanced for z/OS® , V8.5 enhances IBM's strategic business process management platform, which delivers enhanced visibility and management of your business processes that take advantage of z/OS applications and data. IBM BPM Advanced for z/OS , V8.5:

- Delivers high scalability and transactional integrity for automated straight through processing supporting thousands of transactions per second
- Enables built-in service-oriented architecture (SOA) components
- Uses WebSphere® technology for high-speed integration and high-availability configurations
- Includes significant enhancements to the IBM BPM process performance dashboards to help improve visibility and outcomes

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: LE001).

Overview

IBM Business Process Manager (IBM BPM) Advanced for z/OS , V8.5 enhances the IBM strategic business process management platform available for IBM z/OS . IBM BPM Advanced for z/OS helps you modernize, orchestrate and manage existing mission-critical z/OS applications and services for new business opportunities. IBM BPM Advanced for z/OS expands upon the IBM BPM portfolio to unify process solutions seamlessly across your IBM System z® and distributed environments, integrating z/OS applications and data to create business services that deliver high quality of service, transactional integrity, and process visibility.

A highly integrated environment that scales smoothly and easily from initial project to enterprise-wide deployment, IBM BPM Advanced for z/OS , V8.5 supports the automation of business and system processes that orchestrate work across core business applications currently executing on z/OS , including CICS® , IMS™ , or batch applications.

IBM BPM Advanced for z/OS , V8.5 can be coupled with IBM BPM Advanced V8.5 on non-z/OS distributed platforms to create a comprehensive business process management environment that enables process owners and business users to engage directly in the improvement of their business processes. IBM BPM Advanced includes additional business-focused tooling for process design, execution,

monitoring, and optimization that extend the capabilities and power of IBM BPM Advanced for z/OS , V8.5.

IBM BPM Advanced for z/OS , V8.5 includes these benefits:

- Simplifies IBM BPM installation, configuration, migration, and administration on z/OS to help reduce the time and effort required to set up, manage, and expand IBM BPM environments
- Exploits improved sharing of IBM WebSphere MQ and IBM DB2® resources to support high-availability configurations
- Includes significant enhancements to the IBM BPM built-in dashboards to help improve business process outcomes and enable the creation of custom dashboards
- Uses built-in SOA components for extensive enterprise-wide service integration and orchestration and customizing of SAP processes
- Delivers high scalability and transactional integrity for automated straight-through processing supporting thousands of transactions per second
- Takes advantage of WebSphere Optimized Local Adapter (WOLA) technology for high-speed integration with co-located COBOL, PL/I, and assembler applications in CICS , IMS , or batch environments at in-memory transfer speeds

For more information on IBM BPM Advanced V8.5 for distributed platforms, refer to Software Announcement [213-023](#), dated April 23, 2013 .

Key prerequisites

- Any hardware that supports z/OS V1.12, or later
- z/OS V1.12, or later

Planned availability date

June 14, 2013

Description

IBM BPM Advanced for z/OS , V8.5 helps you:

- **Set up an ideal environment for automation of your most critical business processes on z/OS**
 - Complete IBM BPM Advanced runtime environment hosted on WebSphere Application Server for z/OS
 - Built-in SOA components for extensive enterprise-wide service integration and orchestration
 - Co-location with existing System z programs and services, such as CICS , IMS , and batch applications and data, to take advantage of WOLA technology for high-performance integration at in-memory transfer speeds
 - High scalability and transactional integrity for automated straight through processing, supporting thousands of transactions per second
- **Incrementally modernize your enterprise to maximize agility in System z core business applications**
 - Proven business process management principles and iterative change methodology
 - Easy-to-use business process design environment to incrementally add process orchestration to existing solutions
 - Industry-standard based tools for defining process flow and system orchestration using Business Process Modeling Notation (BPMN) and Business Process Execution Language (BPEL)

- **Unify your enterprise operations with increased collaboration, visibility, and consistency of processes across platforms**
 - Easy-to-use tools for process designers and integration developers to create, analyze, and optimize process solutions for the System z environment
 - Greater visibility into mission-critical business processes that span systems
 - Centralized lifecycle governance using IBM BPM Process Center for managing process application deployments across multiple platforms
- **Reduce the time and effort required to set up, manage, and expand IBM BPM environments on z/OS**
 - Simplified WebSphere Customization Tool (WCT) and improved user guide for installation and configuration
 - Optimized configuration and tuning of DB2 V10 for z/OS indexes and table spaces
- **Visualize process performance issues more easily, in real time, to help you improve business process outcomes**
 - Built-in dashboards are completely revamped to help make it easier for you to recognize performance issues in real time and take corrective action.
 - New dashboards help you visualize performance of operational teams, performance of activities in in-flight process instances, and hot spots and critical paths in process flows.
 - Dashboards include the same social collaboration capabilities found in the Process Portal, such as activity streams, real-time links to experts, and so on.

IBM BPM Advanced for z/OS , V8.5 includes WebSphere Application Server Network Deployment V8.5, which enables near-continuous availability, advanced management, and automated performance optimization. IBM BPM inherits these capabilities and gives you a high-availability and highly scalable environment for your process applications.

IBM BPM Advanced for z/OS , V8.5 requires database support from DB2 for z/OS , V9.1 or V10.

Accessibility by people with disabilities

Features of the products that support use by people with disabilities include:

- Using assistive technologies such as screen readers and screen magnifier software
- Customizing display attributes such as color, contrast, and font size
- Operating the system using only the keyboard

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

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** . 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.

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=213-140>

Reference information

For information on IBM BPM V8.5, refer to Software Announcement [213-023](#), dated April 23, 2013 .

For information on IBM BPM Advanced for z/OS , V8.0.1 and IBM Business Monitor for z/OS , V8.0.1, refer to Software Announcement [212-391](#), dated October 2, 2012 .

For information on IBM BPM Advanced Pattern V8.0.1 for Red Hat Enterprise Linux™ and AIX® , refer to Software Announcement [213-071](#), dated February 5, 2013 ,

For information on IBM Integration Bus for z/OS , V9.0 refer to Software Announcement [213-136](#), dated April 23, 2013 .

Availability of national languages

Description	Language	Availability date
IBM Business Process Manager Advanced for z/OS, V8.5	Multilingual	June 14, 2013

Program number

Program number	VRM	Program name
5655-Y02	8.5.0	IBM Business Process Manager Advanced for z/OS

Product identification number

Program PID number	Subscription and Support PID number
5655-Y02	5655-P27

Education support

IBM delivers a comprehensive portfolio of education services to help customers successfully deploy and integrate WebSphere Application and Integration middleware products to their maximum potential.

Education is a key component to ensuring software success. The IBM education team is committed to providing the highest quality education available to help your company prosper in today's competitive marketplace. We deliver successful education programs that provide your people with the skills necessary to help make your business profitable using IBM software.

The IBM education team works closely with IBM product developers and IBM services organizations to ensure that the courses we offer provide the most up-to-the-minute technical and product information. Our courses place an emphasis on the advanced knowledge and insight that only these sources can provide. We draw from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students.

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are available at the IBM training website

<http://www.ibm.com/services/learning/>

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

Offering Information

Product information is available via the Offering Information website

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

Publications

IBM BPM Advanced for z/OS , V8.5 documentation is shipped in an information center, which can be viewed from a web browser with Internet access.

On June 14, 2013, the online version of the IBM BPM Advanced for z/OS , V8.5 information center will be available at

<http://pic.dhe.ibm.com/infocenter/dmndhelp/v8r5m0/index.jsp>

Portions of the documentation for IBM Business Process Manager will be translated and available within 30 days of product availability.

The following softcopy publication is available in .pdf format to download from the Publications Center.

Title	Order number
IBM Business Process Manager Advanced for z/OS, V8.5 Program Directory	GI13-0596

The IBM Publications Center available at

<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.

Technical information

Specified operating environment

Hardware requirements

Any hardware that supports z/OS V1.12, or later

Software requirements

IBM BPM Advanced for z/OS

- Operating systems: z/OS V1.12 or V1.13
- Database servers: DB2 for z/OS , V9.1 or V10
- Browser:
 - Microsoft™ Internet Explorer 9 and 10
 - Mozilla Firefox 10 (minimum)
 - Mozilla Firefox ESR 10 (minimum)
 - Google Chrome 20 (minimum)

For the most current hardware and software requirements for IBM BPM Advanced for z/OS , visit

<http://www.ibm.com/support/docview.wss?uid=swg27023006>

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.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track

problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement, at no additional charge.

Read about the Electronic Support portfolio of tools: <http://ibm.com/electronicssupport>

Access the IBM Support Portal: <http://ibm.com/support>

Access the online Service Request tool: <http://ibm.com/support/servicerequest>

Planning information

Direct customer support

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative, your IBM Business Partner, or visit

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

Packaging

IBM Business Process Manager for z/OS , V8.5 includes:

- License information CD (GC34-2895), in multiple languages
- WebSphere Application Server for z/OS , V8.5 Supplemental Materials (LK4T-4941)
- WebSphere Application Server for z/OS , V8.5 Related Programs (LK4T-4942)

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

IBM BPM uses the security and auditability features of the host hardware or 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

Shopz 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). Shopz is available in the US and several countries in Europe. In countries where Shopz 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 Shopz website at

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

Charge metric

Program name	Part number or PID number	Charge metric
IBM Business Process Manager Advanced for z/OS, v8.5	5655-Y02	Value Unit

The programs in this announcement all have Value Unit-based pricing.

Program number	Program name	Value unit exhibit
5655-Y02	IBM Business Process Manager Advanced for z/OS, v8.5	VUE007

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

Value Unit exhibit VUE007

	MSUs minimum	MSUs maximum	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

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

Ordering example

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUs to value Units

	MSUs	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

Basic license

On/Off CoD

IBM Business Process Manager Advanced for z/OS , V8.5 Temporary Use Charge

Program name: IBM Business Process Manager Advanced for z/OS , V8.5

Program PID: 5655-Y02

Entitlement identifier	Description	License option/ Pricing metric
S016V2X	IBM Process Server Advanced for z/OS	Basic OTC, per MSU-day TUC

Program name: IBM Business Process Manager Advanced for z/OS , V8.5

Program PID: 5655-Y02

Entitlement identifier	Description	License option/ Pricing metric
S016V2X	IBM Process Server Advanced for z/OS	Basic OTC, per value Unit

Orderable supply ID	Language	Distribution medium
S0177V9	MUL	3590 Tape Cartridge

Translation from MSUs to value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.20

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

Subscription and Support PID: 5655-P27

Entitlement identifier	Description	License option/ Pricing metric
S0124HZ	IBM Process Server Advanced for z/OS S&S v1.1.0	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
Orderable supply ID	Language	Distribution medium
S012HBK	English	Hardcopy pubs

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. These offerings:

- Include and extends the support services provided in the base support to include technical support via telephone.
- Entitle 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.

Customized Offerings

Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where Shopz 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>

For additional information on the Product ServerPac option, refer to Software Announcement [212-272](#), dated July 31, 2012 .

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.

License Information form number

License ID	Document Name
L-APIG-947EV6	IBM Process Server Advanced for z/OS v8.5

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 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

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

Other support

SoftwareXcel

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

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	Parent, if applicable
5655-Y02	IBM Business Process Manager Advanced for z/OS, v8.5	Execution-based	

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 one:

- 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.

IBM Getting Started Sub-capacity Pricing for z/OS IPLA Software applies.

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the product's own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

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.

IBM Electronic Services

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support all at no additional cost to you.

Now integrated into the base operating system of AIX 5.3, AIX 6.1, and AIX 7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type "smitty esa_main", and select "Configure Electronic Service Agent ." In addition, ESA now includes a powerful Web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, refer to

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

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

Benefits

Increased uptime: The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the "symptoms," diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

Security: The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM . The Electronic Service Agent tool securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM . The customer's business applications or business data is never transmitted to IBM .

More accurate reporting: Since system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, customers are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM , problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support: Using the IBM ID entered during activation, customers can view system and support information in the "My Systems" and "Premium Search" sections of the Electronic Support Web site at

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

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent . Reports are available for any system associated with the customer's IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, customers are able to see search results that apply specifically to their systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

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

Prices

Price information will be available through the IBMLink website. Registered external customers and IBM Business Partners can access IBMLink for product information. Authorization is required.

To view pricing information, visit

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

For software prices, select "Look up IBM System z software prices (ESWPrice)" under "Prices." Specify "Price type," "Search type," and "Search value," then click "Search."

Note: Enter program number in the "Search value."

Program name: IBM Business Process Manager Advanced for z/OS , V8.5

Program PID: 5655-Y02

Entitlement identifier	Description	License option/ Pricing metric
S016V2X	IBM Process Server Advanced for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-P27

Entitlement identifier	Description	License option/ Pricing metric
S0124HZ	IBM Process Server Advanced for z/OS S&S v1.1.0	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration

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 the Americas Call Centers or your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

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

Internet: callserv@ca.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, our 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 Electronic Service Agent are trademarks of IBM Corporation in the United States, other countries, or both.

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

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft is a trademark 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/>