



# IBM WebSphere Portal Enable for z/OS , V8.0 delivers new capabilities for integrated social, contextual, and optimized multichannel online experiences

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## At a glance

IBM® WebSphere® Portal Enable for z/OS®, V8.0 can help you:

- Deliver targeted content that is relevant and compelling to each user
- Go where your users are by providing rich experiences for content, applications, and processes from any device
- Deliver critical social services where they make the biggest impact, in the context of your web experiences
- Quickly and easily create and manage portal pages and content, allowing you to respond to rapidly changing business needs
- Gather real-time insight into web page and channel delivery, giving you the information you need to make informed business decisions

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

Optimized for the IBM z/OS platform, IBM WebSphere Portal Enable for z/OS, V8.0 provides new and improved capabilities that help organizations create, manage, and deliver powerful online web experiences, including social services when and where it can most influence productivity. Greater mobile support helps businesses take web experiences to wherever users are, on whatever device they choose; and real-time analytics integration provides insight to web user activity, delivering the right knowledge to make the right decisions on how to improve users' web experiences.

WebSphere Portal Enable for z/OS, V8.0 has new powerful Intelligent Pages to bring together essential web experience capabilities.

New capabilities:

- **Social:** Delivers IBM Connections content and services (files and profiles) for IBM WebSphere Portal or IBM Web Content Management sites; enables social communication where and when you need it.
- **Mobile:** Helps develop and render content and applications that display perfectly on smart phones, desktops, or just about any device.

- Content-driven: Delivers content relevant to each user, in a way that is compelling to each user.
- Managed: Enables pages that can be updated, previewed, versioned, published, and rolled back.
- Insightful: Offers in-place, real-time web page and channel delivery analyses based on web analytics page overlays.
- Integrated: Enables site designers to create web portal pages using HTML and web content, feeds, portlets, iWidgets, and more.

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## Key prerequisites

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Any hardware that supports:

- z/OS V1.11, or later

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

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## Planned availability date

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May 25, 2012

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## Description

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IBM WebSphere Portal Enable for z/OS, V8.0 is an enterprise portal solution with the complete portal services necessary to deliver a single point of personalized interaction with applications, content, business processes, and people. The unified user experience can help you improve overall productivity and customer satisfaction. WebSphere Portal Enable for z/OS, V8.0 simplifies IT infrastructure by delivering a complete set of web experience platform services:

- Framework services
- Integration services
- Content services

WebSphere Portal Enable for z/OS, V8.0 includes the latest IBM WebSphere Portal V8.0 and IBM Web Content Management V8.0 features and capabilities.

### Highlights

#### Managed Pages

- Managed Pages are a simplified way to create and manage portal pages and web content using a new integrated toolbar.
- New page draft and approval process lets you preview and approve changes to pages before publishing them.

#### Mobile

- WebSphere Portal Mobile Experience:
  - Is a new theme that helps you control the look and feel, page navigation, and content navigation on a smartphone.
  - Includes rich mobile web interaction patterns such as swipe, carousel, accordion, and swap using CSS3 and HTML5 to enable a complete web experience.

#### Social

- New Community Page support lets you more readily scope and place IBM Connections portlets in the right Portal and Web Content Manager context.

- OpenID Authentication enables portal users to authenticate with public social network credentials, such as a Facebook ID.

### **Analytics support**

- Web Analytics Page Overlays deliver in-place, real-time web page and channel delivery analyses.
- You can use more flexible options to tag pages, portlets, or web content and measure their usefulness through Campaign and Custom tags.

### **Content driven**

- Create IBM Web Content Manager pages and content with point-and-click simplicity with the new Content Templating user interface.

### **Integrated**

- Integrate with enterprise content management (ECM) and other systems through Web Content Manager support for the Content Management Interoperability Support Services (CMIS) standard.

### **Cost of ownership**

- New IBM Installation Manager support provides a faster, streamlined install, uninstall, modify, and update process for administrators.
- Search enhancements provide more granular search index algorithms that optimize WebSphere Portal and Web Content Manager search results.
- New configuration wizard for administrators.

Highlights of IBM Web Content Manager V8.0:

- Content Template Catalog: Expanded set of prebuilt high value content types speeds microsite and web page creation.
- Managed Pages: New feature makes it easy to create, approve, version, publish, and syndicate web content.
- Analytics Overlays: Analyze web page and channel delivery in context and real time for insight and optimization of the web experience.
- Home Page: New authoring start page provides a customizable, friendly user interface to simplify creation of content.
- CMIS integration: New support for CMIS standard allows content authors to leverage documents and files from CMIS repositories directly from the authoring experience.
- Content templating: This function is enhanced to make creating and delivering web content faster and easier.

### **Business Partner information**

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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=212-162>

### **Accessibility by people with disabilities**

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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](http://www.ibm.com/able/product_accessibility/index.html)

### **Value Unit-based pricing**

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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.

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## Program number

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Program number	VRM	Program name
5655-Y16	V8.0.0	WebSphere Portal Enable for z/OS

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## Product identification number

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Program PID Number	Subscription and Support PID Number
5655-Y16	5655-K13

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## Offering Information

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Product information is available via the Offering Information website

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

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## Publications

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The Program Directory, GI13-2901, is available only via Custom Build Offering orders and via the WebSphere Portal documentation website

<http://www.ibm.com/websphere/portal/library>

The License Information Booklet is included with the distribution package as printed material. The document numbers are:

- License Information Booklet - GI13-2903
- Distributed License Information Booklet - GI13-2902

Additional publications are available via the WebSphere Portal documentation library website

<http://www.ibm.com/websphere/portal/library>

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## Technical information

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### **Specified operating environment**

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#### **Hardware requirements**

Any hardware that supports:

- z/OS 1.11, or later

For information about development environment hardware, refer to Software Announcement [210-259](#), dated August 31, 2010.

#### **Software requirements**

- z/OS 1.11, or later

Additional software:

- DB2 Universal Database™ for z/OS V9.1 - PUT level 0912 with APAR UK50740 or V10.1, or later service level
- WebSphere Application Server for z/OS, V8.0.0.3

For the installation of remote components running on a distributed (non-z/OS) platform, refer to Software Announcement [210-259](#), dated August 31, 2010

For the latest software requirements, visit

<http://www.ibm.com/websphere/portal/library>

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.

#### **Performance considerations**

A tuning guide for WebSphere Portal Enable for z/OS, V8.0 is available after program general availability at

<http://www-01.ibm.com/software/genservers/portal/support/>  
Enter search word "tuning"

## Planning information

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### **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 or visit

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

### **Packaging**

WebSphere Portal Enable for z/OS, V8.0 is distributed with the following components:

- Basic machine-readable material on 3480 tape cartridge uncompressed. Note: Additional media type selections (3480 compressed, 3490E, 3590, 3592) are available through Custom Build Offering orders. Included in the package are additional components on CD-ROM that complete the WebSphere Portal offering and are not intended for use on z/OS. Softcopy publications are also included.
- Program Directory (GI13-2901).
- License Information Booklet (GI13-2903).
- Distributed License Information Booklet (GI13-2902).
- WebSphere Portal Enable for Windows™ and Linux™ x86 CDs (LK4T-4946).

WebSphere Portal Enable for z/OS, V8.0 media is only shipped via Customization Offerings (ServerPac, CBPDO). CFSW configurator and order entry for the Customization Offerings will be available beginning May 22, 2012.

### **Security, auditability, and control**

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WebSphere Portal Enable for z/OS, V8.0 uses the security and auditability features of z/OS. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Software Services

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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/>

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## Ordering information

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### Charge metric

Program name	Part number or PID number	Charge metric
webSphere Portal Enable for z/OS, v8.0	5655-Y16	Value Unit

If a customer desires additional licenses of Web Experience Factory Designer, the additional licenses must be ordered via Passport Advantage®, part number DOCTBLL for Linux for system z or part number DOCTDLL for other supported platforms.

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

Program number	Program name	Value Unit Exhibit
5655-Y16	webSphere Portal Enable for z/OS, v8.0	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.

### 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. For more details and availability, visit the ShopzSeries website at

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

### Basic license

#### On/Off CoD

WebSphere Portal Enable for z/OS, V8.0 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name WebSphere Portal Enable for z/OS, V8.0  
Program PID 5655-Y16

Entitlement identifier	Description	License option/ Pricing metric
S016Z3P	WebSphere Portal Enable for z/OS, V8.0	Basic OTC, per MSU-day TUC

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.

Program name: WebSphere Portal Enable for z/OS, V8.0  
Program PID: 5655-Y16

Entitlement identifier	Description	License option/ Pricing metric
S016Z3P	WebSphere Portal Enable for z/OS	Basic OTC, per Value Unit

Orderable supply ID	Language	Distribution medium
S016Z3N	Multiple	3590 Tape

Subscription and Support PID: 5655-K13

Entitlement identifier	Description	License option/ Pricing metric
S00XCZS	WebSphere Portal Enable	Basic ASC, per Value Unit SW S&S

for z/OS

No charge, decline SW S&S  
Per MSU SW S&S registration

Orderable supply ID	Language	Distribution medium
S00XD01		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.

### **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**

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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.

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## **Terms and conditions**

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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***

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.

### ***Other terms***

#### ***Volume orders (IVO)***

No

#### ***IBM International Passport Advantage Agreement***

#### ***Passport Advantage applies***

No

#### ***Usage restriction***

Yes. WebSphere Portal Enable for z/OS, V8.0 is accompanied by a full copy of WebSphere Portal Enable V8.0, with limited usage rights. The Portal Enable for z/OS license entitles you to use Portal Enable V8.0 in order to run non-z/OS components that belong to a WebSphere Portal Enable for z/OS installation, and to develop portlets for the Portal for z/OS system on a non-z/OS platform. License terms do not allow you to use Portal Enable V8.0 to set up a separate Portal on another platform (other than z/OS) accessed directly by multiple end users.

If you wish to set up a Portal on another platform other than IBM System z for access by multiple end users, you must purchase one or more licenses of WebSphere Portal Enable V8.0.

If you purchase a Service and Support agreement for WebSphere Portal Enable for z/OS, you will also be entitled to register for support for the WebSphere Portal Enable component that is included in the WebSphere Portal Enable for z/OS, V8.0 package (refer to your IBM representative or IBM Business Partner for details). However, WebSphere Portal Enable V8.0 support is limited to the level of support provided to WebSphere Portal Enable for z/OS, V8.0 and does not include how to support nor does it include subscription to separately purchasable or subsequent versions of WebSphere Portal Enable V8.0 unless provided via a new release of WebSphere Portal Enable for z/OS.

If you have purchased a separate Support Line contract, you will be entitled to how to support for the program and all components.

#### ***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**

No

**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**

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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-Y16	WebSphere Portal Enable for z/OS, v8.0	Execution-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 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.

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### **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.

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### **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.

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## **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.

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## **IBM Electronic Services**

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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Choose the option entitled Purchase/upgrade tools.

Program name: WebSphere Portal Enable for z/OS, v8.0  
Program PID: 5655-Y16

Entitlement identifier	Description	License option/ Pricing metric
S016Z3P	WebSphere Portal Enable for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-K13

Entitlement identifier	Description	License option/ Pricing metric
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