IBM Data Set Commander z/OS, V8.1 provides enhanced productivity and new automated functionality for batch and online data set operations

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At a glance

Data Set Commander for z/OS®, V8.1 delivers the following benefits:

- A batch utility component for replacing IEBCOPY with enhanced partitioned data set manipulation functions
- A monitor component to automate the refreshing of z/OS LLA-managed directory entries
- An interactive component that is a menu-driven front end to ISPF

Overview

IBM® Data Set Commander for z/OS, V8.1, the new product name for IBM ISPF Productivity Tool for z/OS, enhances and extends IBM’s interactive and batch capabilities for working with partitioned data sets (PDSs) and partitioned data sets extended (PDSEs) and their members. It delivers new batch and online functions, as well as enhancements to existing functions, for performing critical operations on PDS and PDSE members.

The batch component of Data Set Commander for z/OS consists of a fully compatible utility replacement for IEBCOPY, with significantly enhanced functionality for managing and manipulating PDS and PDSE data sets.

The monitor component of Data Set Commander for z/OS provides a fully automated facility for managing the caching of PDS and PDSE members in the Library Lookaside (LLA) and Virtual Lookaside Facility (VLF) regions of selected system nodes in a sysplex.

The interactive component of Data Set Commander for z/OS is an integrated front end to ISPF. It enhances most major ISPF functions, including browse, edit, TSO shell, and DSLIST, and provides many additional capabilities. Data Set Commander for z/OS can make any ISPF user more productive with functions such as automatic PDS compression and directory expansion, and search capabilities for volumes, data sets, members, and text within members.

Data Set Commander for z/OS boosts productivity for ISPF users across the spectrum from those who have worked with ISPF for many years and know their way around the panels quickly, to those who are new to the IBM z/OS environment and were trained in workstation tools and interfaces. Both types of users need tools...
that offer time-saving advantages, and both will find them in Data Set Commander for z/OS.

**New in Version 8.1**

- New LLA monitor component for automating cache synchronization for updated LLA managed directory entries across the sysplex
- Support for z/OS V2.1 PDSE member generations
- New command shortcuts

**Key prerequisites**

Data Set Commander for z/OS runs on any hardware configuration supported by the specified licensed z/OS programs.

For details, refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

December 6, 2013

**Description**

**Data Set Commander automatic LLA refresh monitor**

A new Data Set Commander component, which runs as a started task from an APF authorized library in one or more selected z/OS images of a sysplex. It listens for updates to LLA-managed libraries and automatically refreshes the pertinent LLA directory entries across all monitored nodes of the sysplex.

The Data Set Commander Monitor supports a comprehensive set of operator console commands to provide full control of its performance settings and operations.

**Data Set Commander Monitor menu driven control center**

A new application of the Data Set Commander interactive component that provides a comprehensive menu-driven operator interface to the operation of all Data Set Commander Monitor nodes in a sysplex.

**Member selection list (MSL) enhancements**

- Support for z/OS V2.1 PDSE member generations
- Enhanced member list display for ISPF extended statistics and PDSE member generations
- Enhanced support of data set names containing system symbols

**Object list (OLIST) enhancements**

- Support for z/OS V2.1 PDSE member generations
- Enhanced support of data set names containing system symbols

**Command shortcuts**

- A new command shortcut "DSCMON" starts the Data Set Commander LLA Monitor control center application.
- All IPTxxxx command shortcuts from ISPF Productivity Tool V7.1 are supported, as well as their corresponding DSCxxxx names.
Data Set Commander batch utility

Enables support for z/OS V2.1 PDSE member generations, which provides the ability to recover prior levels of a PDSE member. Data Set Commander support includes the ability to display, rename, delete, and restore prior levels of a PDSE member in both batch and ISPF UI modes.

IQIWIZRD customization wizard updates

Provides the ability to specify RACF® resource name and default operator authorization for using the DSC Monitor Control Center application.

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 stipulates 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 the **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](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.
Reference information

For information on IBM HourGlass V7.1, refer to Software Announcement ZP13-0545, dated October 01, 2013.

For information on IBM Problem Determination Tools V13.0, refer to Software Announcement ZP13-0482, dated October 01, 2013.

Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-ISP</td>
<td>V8.1</td>
<td>IBM Data Set Commander for z/OS</td>
</tr>
</tbody>
</table>

Subscription and Support PID number

<table>
<thead>
<tr>
<th>Program PID number</th>
<th>Support PID number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-ISP</td>
<td>5698-S89</td>
</tr>
</tbody>
</table>

Offering Information

Product information is available via the Offering Information website

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

Publications

The Program Directory (GI10-8987) and the Agreements and License Information CD (LCD4-8548) are shipped automatically with the basic machine-readable material. No other hardcopy publications are shipped with the product.

The following optional publications will be available after product availability:

- User’s Guide (SC19-4207-00)
- Installation and Customization Guide (GC18-4181-00)

IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the 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.

Technical information

Specified operating environment

Hardware requirements

Data Set Commander for z/OS runs on any hardware configuration supported by the specified required licensed programs listed in the Software requirements section.
Software requirements

Data Set Commander for z/OS runs under the control of, or in conjunction with, the following programs. For more information on the following programs that may require program temporary fixes (PTFs), refer to the program directory and Preventative Service Planning (PSP) bucket.

Required software

One of the following:

- z/OS V2.1, or later (5650-ZOS)
- z/OS V1.13 (5694-A01)

Optional software

PDSE member generations support requires z/OS V2.1 and the PTFs for the following APARs: OA42358, OA42247, and OA42248.

Data Set Commander for z/OS in this announcement is tested and supported for use only with the announced and currently supported levels of IBM software and hardware specified in the Software requirements and Hardware requirements sections of this announcement. IBM knows of no reason Data Set Commander for z/OS in this announcement will not work with certain earlier, unsupported IBM software products, specifically z/OS V1.11 or V1.12 (5694-A01).

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.

Planning information

Packaging

The Data Set Commander for z/OS, V8.1 package includes:

- Basic machine-readable material on the customer-selected distribution medium
- Program Directory (G110-8987)
- Agreements and License Information CD (LCD4-8548)

Global Technology Services®

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, or integration of this product.

Ordering information

Consult your IBM representative.

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

### Charge metric

<table>
<thead>
<tr>
<th>Program name</th>
<th>Program number</th>
<th>Charge metric</th>
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</thead>
<tbody>
<tr>
<td>Data Set Commander</td>
<td>5635-ISP</td>
<td>Value Units</td>
</tr>
<tr>
<td>for z/OS, V8.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Set Commander</td>
<td>5698-S89</td>
<td>Value Units</td>
</tr>
<tr>
<td>for z/OS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subscription & Support

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

#### Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Value Unit Exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-ISP</td>
<td>Data Set Commander for z/OS</td>
<td>VUE007</td>
</tr>
<tr>
<td>5698-S89</td>
<td>Data Set Commander for z/OS</td>
<td>VUE007</td>
</tr>
</tbody>
</table>

Subscription & Support

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

<table>
<thead>
<tr>
<th>MSUs</th>
<th>MSUs</th>
<th>Value Units/MSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>minimum</td>
<td>maximum</td>
<td></td>
</tr>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tier A</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46</td>
<td>125</td>
</tr>
<tr>
<td>Tier C</td>
<td>176</td>
<td>315</td>
</tr>
<tr>
<td>Tier D</td>
<td>316</td>
<td>+</td>
</tr>
</tbody>
</table>

Value Units for mainframes without MSU ratings:

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Value Units/machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP3000 H30</td>
<td>6</td>
</tr>
<tr>
<td>MP3000 H50</td>
<td>8</td>
</tr>
<tr>
<td>MP3000 H70</td>
<td>12</td>
</tr>
<tr>
<td>ESL models</td>
<td>2</td>
</tr>
</tbody>
</table>

**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

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

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

**Basic license**

**On/Off Capacity on Demand**

IBM Data Set Commander for z/OS, V8.1 is eligible for On/Off Capacity on Demand (On/Off CoD) with a Temporary Use Charge calculated based on MSUs-per-day usage.

<table>
<thead>
<tr>
<th>Program name</th>
<th>IBM Data Set Commander for z/OS, V8.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program PID</td>
<td>5635-ISP</td>
</tr>
</tbody>
</table>

**Entitlement**

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option / Pricing metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>S017CF6</td>
<td>Data Set Commander for z/OS, V8.1</td>
<td>Basic OTC, Per MSU-day TUC</td>
</tr>
</tbody>
</table>

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

**Program name**

IBM Data Set Commander for z/OS, V8.1

**Program PID**

5635-ISP

**Entitlement**

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option / Pricing metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>S017CF6</td>
<td>Data Set Commander for z/OS, V8.1</td>
<td>Basic OTC, Per Value Unit</td>
</tr>
</tbody>
</table>

**Orderable supply ID**

S017CF5

**Language**

English

**Distribution medium**

3590 Tape cartridge

**Note:** Additional media type selections are offered during Custom Build Offering ordering.

**Subscription and Support PID**

5698-S89

**Entitlement**

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option / Pricing metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>S01212X</td>
<td>Data Set Commander for z/OS</td>
<td>Basic MSC, per Value Unit SW</td>
</tr>
<tr>
<td></td>
<td>Subscription &amp; Support</td>
<td>S&amp;S No Charge, decline SW S&amp;S</td>
</tr>
</tbody>
</table>

**Orderable supply ID**

S01216K

**Language**

English

**Distribution medium**

Hardcopy publication
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.

Delivery services - Custom QuickShip Program

This product is eligible for the IBM Custom QuickShip Program.

Custom QuickShip combines flexible configurations with fast delivery. Customers and Business Partners are able to create product configuration of their choice by using a combination or stand-alone selection of hardware, software, and a menu of additional features, including the option for software preload. The inclusion of feature number 1748 will ensure Custom QuickShip delivery of the complete product configuration or stand-alone order.

The committed response time under Custom QuickShip is six business days from order acceptance by IBM to customer delivery.

Customized Offerings

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

All of 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, SystemPac, FunctionPac, and ProductPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO,
ServerPac, and SystemPac 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 CFS 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


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, FunctionPac, and ProductPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

**Terms and conditions**

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

GC19-4191

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


**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

**Other support**
SoftwareXcel

**System i® Software Maintenance applies**
No
Variable charges apply
No

Educational allowance available
Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

ESAP available
Yes, to qualified 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.

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Terms</th>
<th>Parent, if applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>5635-ISP</td>
<td>IBM Data Set Commander</td>
<td>z/OS-based for z/OS, V8.1</td>
<td></td>
</tr>
</tbody>
</table>

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


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 reference-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 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.

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.

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**Corrections**

(正确ed on January 13, 2014)

In the "Publications" section, a form number was corrected.