IBM DB2 SQL Performance Analyzer enhanced for managing DB2 environments; Tivoli OMEGAMON XE for DB2 Performance Expert and Tivoli OMEGAMON XE for DB2 Performance Monitor offer trade-up options

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At a glance

IBM® DB2® SQL Performance Analyzer for z/OS®, V4.1.0 (5655-W60) helps you analyze and tune your SQL queries by:

- Producing and interpreting cost reports

- Tuning queries to help achieve improved performance

- Using the Easy Explain function to better understand access path selection

- Diagnosing SQL query problems to facilitate prompt recovery

New DB2 SQL Performance Analyzer V4.1.0 delivers:

- Support for DB2 10 for z/OS, V10.1.0 (5605-DB2)

- Enhanced, user-friendly panel interface

- Improved customization via integration with the IBM Tools Customizer for z/OS feature

IBM Tivoli® OMEGAMON® XE for DB2 Performance Expert on z/OS, V5.1.0 and IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1.0 offer trade-up options.

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

Overview

IBM DB2 SQL Performance Analyzer for z/OS, V4.1.0 (5655-W60) offers functional, usability, and reporting enhancements to help you better analyze and tune your SQL queries.

New trade-up options for IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 (5655-W37) and IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 (5655-W38) provide paths for upgrading your legacy DB2 and OMEGAMON performance monitoring tools, plus paths from IBM Tivoli OMEGAMON XE for DB2 Performance Monitor to IBM Tivoli OMEGAMON XE for DB2 Performance Expert to exploit exciting new capabilities on the Performance Expert offering, including Extended Insight. Trade-up options include:

IBM Tivoli OMEGAMON XE for DB2 on z/OS, V4.0.0 (5655-CXE)
IBM DB2 Performance Expert for z/OS, V2.1.0 (5655-J49)
IBM DB2 Performance Monitor for z/OS, V8.1.0 (5655-J50)
IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4 (5655-Q08)
IBM DB2 Buffer Pool Analyzer for z/OS, V4 (5655-R98)

Key prerequisites

Refer to the Hardware requirements and Software requirements sections for key prerequisites.

Planned availability date

December 17, 2010

Description

IBM DB2 SQL Performance Analyzer for z/OS, V4.1 (5655-W60) delivers an extensive analysis of SQL queries without executing them. This analysis aids you in tuning your queries to achieve maximum performance. Functional enhancements include:

- Support for IBM DB2 10 for z/OS
  - Creation of plan tables creates the DB2 10 version (including all new fields)
  - Reading from/working with plan tables handles new values and new fields
  - Support for new temporal table syntax
  - Support for new XML syntax
  - Statistics migration handles new catalog table layouts
  - Relevant new fields and values from both plan tables and catalog tables are displayed in the reports
- Table view option available from the basic processing menu
- Reduced DB2 overhead of tables and SQL functions
- New, easy-to-read tabular report with formatted SQL
- Ability to select DBRM members from a list
- Addition of DBRM SQL statements to the EEE report
- Formatting of statements in the SQL files
- Filtering of WHERE CURRENT OF CURSOR statements
- Reduced EEE report width
- Enhanced, user-friendly interface
  - Improved usability with scrollable and initialized fields
  - Simplified, easy-to-read panel formats

An enhanced, streamlined customization process is provided via the IBM Tools Customizer for z/OS feature, which delivers:

- A new standard for post SMP/E customization of DB2 Tools products
- A more consistent, usable, and simple solution for the configuration of multiple products
- An ISPF user interface that guides you through the customization process, assisting you in the following main tasks:
  - Initial customization and re-customization of products
  - Discovers previous customization of a product

- Guides you through the steps of customization with dynamically generated ISPF product panels
- Entry of parameters values required by the products that are being customized
- Facilitates the reuse and sharing of configuration settings across products via a common XML repository
- Customization of product templates

IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1.0 (5655-W37) and IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1.0 (5655-W38) add trade-up options

Refer to the Ordering information section of this announcement for information about the trade-up options. For detailed program information and capabilities, refer to 210-345, dated October 19, 2010.

Accessibility by people with disabilities

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

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

Section 508 of the U.S. Rehabilitation Act

The products in this announcement are capable as of their general availability, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Value Unit-based pricing

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

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

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

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

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit

- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

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

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

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

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

Reference information

- Refer to Software Announcement 210-345, dated October 19, 2010.
- Refer to Software Announcement 210-380, dated October 19, 2010.

Program number

```
Program                  Program
number        VRM        name

5655-W60      4.1.0      IBM DB2 SQL Performance Analyzer for z/OS

5655-W37      5.1.0      IBM Tivoli OMEGAMON XE for DB2 Performance
                         Expert on z/OS - new trade-ups
5655-W38      5.1.0      IBM Tivoli OMEGAMON XE for DB2 Performance
                         Monitor on z/OS - new trade-ups
```

Product identification number

```
                         Subscription and
Program PID number       Support PID number

5655-W60                 5655-E97
5655-W37                 5655-R07
5655-W38                 5655-R08
```

Offering Information

Product information is available via the Offering Information website

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

Business Partner information

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

https://www.ibm.com/partnerworld/mem/sla.jsp?num=210-424

Publications

The IBM Publications Center portal is at

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

The Publications Center is a worldwide central repository for IBM product and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card or customer number. A large number of publications are available online in various file formats. They can all be downloaded free of charge.

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

```
Title                                         Order number

DB2 SQL Performance Analyzer for z/OS V4.1 (5655-W60)
License Information                           GC19-3239
Program Directory                             GI10-8871
IBM IPLA Booklet                              Z125-3301
```

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

http://www.ibm.com/software/data/db2imstools

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

```
Title                                         Order number

DB2 SQL Performance Analyzer for z/OS, V4.1 (5655-W60)
User's Guide                                  SC19-3240
```

The following material is available at

http://www.ibm.com/software/data/db2imstools

- Overview brochure: IBM DB2 and IMS™ Tools Overview (IMD11760-USEN)

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

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

The publications listed below can be downloaded from

http://www.ibm.com/software/tivoli/library

Technical information

Specified operating environment

Hardware requirements

The products in this announcement will operate on any System z hardware configuration that supports the required versions of DB2.

Software requirements

Mandatory operational requirements

The products in this announcement require:

- z/OS V1.10 (5694-A01), or later

The products in this announcement are designed to operate with:

- DB2 UDB for z/OS, V8.1 (5625-DB2)
- DB2 UDB for z/OS Value Unit Edition V8.1 (5697-N29)
- DB2 9 for z/OS, V9.1 (5635-DB2)
- DB2 9 for z/OS Value Unit Edition V9.1 (5697-P12)
- DB2 10 for z/OS, V10.1 (5605-DB2)
- DB2 10 for z/OS Value Unit Edition V10.1 (5697-P31)

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

Limitations

For additional information, refer to usage restrictions in the Terms and conditions section, or to the License Information document that is available on the IBM Software License Agreement website

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

User group requirements

DB2 SQL Performance Analyzer for z/OS, V4.1 (5655-W60) satisfies the following requirements:

MR0417082356	MR0417084556	MR110708331
MR1107085927	MR110708313	MR0909087448
MR0223097932	MR061809528	MR110508728
MR0618094552		

IBM Tools Customizer for z/OS satisfies the following requirements:

MR1030037410	MR0821036740	MR0620016522
MR0807021248	MR0407034837	MR0224063317
MR0523066456	MR1030037410	MR0522032021
MR060015827	MR0620016522	MR063003197
MR0821032344		

Planning information

Packaging

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

- Basic machine-readable material
- Program Directory
- IBM International Program License Agreement (IPLA)

Security, auditability, and control

The announced programs use the security and auditability features of the host operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

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

Ordering information

Charge metric

Program name	PID number	Charge metric
DB2 SQL Performance Analyzer for z/OS, V4.1	5655-W60	Value Unit
Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1	5655-W37	Value Unit
Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1	5655-W38	Value Unit

The following programs have Value Unit-Based pricing.

Program number	Program name	Value Unit exhibit
5655-W60	DB2 SQL Performance Analyzer for z/OS, V4.1	VUE007
5655-W37	Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1	VUE007
5655-W38	Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1	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 U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

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

Basic license

On/Off CoD

The products in this announcement are eligible for On/Off Capacity on Demand (CoD) with a temporary use charge calculated based on MSUs per-day usage.

```
Translation from MSUs to Value Units

            MSUs        Value Units/MSU
  Base       1-3            1.00
  Tier A     4-45            .45
  Tier B    46-175           .36
  Tier C   176-315           .27
  Tier D   316+              .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: DB2 SQL Performance Analyzer for z/OS, V4.1
Program PID: 5655-W60

Entitlement                            License Option /
Identifier    Description              Pricing Metric

S0163DJ       DB2 SQL Perform Analyzer V4    Basic OTC, Value Units
                                             Basic OTC, Per MSU-day
                                             TUC


Orderable Supply ID    Language         Distribution medium

S0163DK                US English       3590 Tape Cartridge


Program Name: Tivoli OMEGAMON XE for DB2 Performance Expert on
z/OS, V5.1.0
Program PID: 5655-W37

Entitlement                            License Option /
Identifier    Description              Pricing Metric

S016K5T       OMEGAMON XE for DB2 PE V5      Basic OTC, Value Units
              Trade-up from 5655-CXE         Basic OTC, Per MSU-day
              Trade-up from 5655-J49         TUC
              Trade-up from 5655-CXE and
              5655-J49
              Trade-up from 5655-J50
              Trade-up from 5655-CXE and
              5655-J50
              Trade-up from 5655-Q08
              Trade-up from 5655-Q08 and
              5655-R98


Orderable Supply ID    Language         Distribution medium

S016K5L                Japanese         3590 Tape Cartridge
S016K5K                US English       3590 Tape Cartridge


Program name: Tivoli OMEGAMON XE for DB2 Performance Monitor on
z/OS, V5.1.0
Program PID: 5655-W38

Identifier    Description              Pricing Metric

S016K5X       OMEGAMON XE for DB2 PM V5      Basic OTC, Value Units
              Trade-up from 5655-CXE         Basic OTC, Per MSU-day
              Trade-up from 5655-J50         TUC
              Trade-up from 5655-CXE and
              5655-J50


Orderable Supply ID    Language         Distribution medium



S016K5P                US English       3590 Tape Cartridge



Subscription and Support PID: 5655-E97

Entitlement
Identifier     Description           License Options/Pricing Metrics

S00V74X        DB2 SQL Perf          Basic ASC, per Value Unit SW S&S
               Analyzer S&S          No charge, decline SW S&S
                                     Per MSU SW S&S registration
```

```
Orderable Supply ID     Language        Distribution medium

S00TH6W                 English         Hardcopy publication


Subscription and Support PID: 5655-R07

Entitlement
Identifier      Description             License Options/Pricing Metrics

S0122MR         OMEGAMON XE for         Basic ASC, per Value Unit SW S&S
                DB2 PE S&S              No charge, decline SW S&S
                                        Per MSU SW S&S registration


Orderable Supply ID     Language        Distribution medium

S0122MS                 English         Hardcopy publication
S012BNK                 Japanese        Hardcopy publication


Subscription and Support PID: 5655-R08

Entitlement
Identifier      Description             License Options/Pricing Metrics

S0122MV         OMEGAMON XE for         Basic ASC, per Value Unit SW S&S
                DB2 PM S&S              No charge, decline SW S&S
                                        Per MSU SW S&S registration


Orderable Supply ID     Language        Distribution medium

S0122MW                 English         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 (IAASM). This offering:

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

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

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

Single version charging

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

Customized Offerings

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

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

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

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

- 3590
- 3592

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

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

Terms and conditions

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

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

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

```
                                       Program    License
Program name                           number     Information

DB2 SQL Performance Analyzer for z/OS, V4.1    5655-W60   GC19-3239
```

The programs' 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

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associated products that are not available with the Software Subscription and
Support (Software Maintenance) offering.

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

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

IBM Operational Support Services -- SoftwareXcel

Yes

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

Products eligible for single version charging

Single version charging does not apply.

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                                    Parents -
number   Program name          Terms       any of the following

5655-W60 DB2 SQL Performance   Reference-  DB2 V8 (5625-DB2)
         Analyzer for z/OS, V4.1 based     DB2 V8 VUE (5697-N29)
                               Reference-  DB2 V9 (5635-DB2)
                               based       DB2 V9 VUE (5697-P12)
                                           DB2 V10 (5605-DB2)
                                           DB2 V10 VUE (5697-P31)

5655-W37 Tivoli OMEGAMON XE for Reference- DB2 V8 (5625-DB2)
         DB2 Performance Expert based      DB2 V8 VUE (5697-N29)
         on z/OS, V5.1                     DB2 V9 (5635-DB2)
                                           DB2 V9 VUE (5697-P12)
                                           DB2 V10 (5605-DB2)
                                           DB2 V10 VUE (5697-P31)

5655-W38 Tivoli OMEGAMON XE for Reference- DB2 V8 (5625-DB2)
         DB2 Performance Monitor based     DB2 V8 VUE (5697-N29)
         on z/OS, V5.1                     DB2 V9 (5635-DB2)
                                           DB2 V9 VUE (5697-P12)
                                           DB2 V10 (5605-DB2)
```

Full-capacity mainframes

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

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

For more information on mainframe MSU-rated capacities, visit

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

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

Sub-capacity mainframes

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

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

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

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

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

For more information on mainframe MSU-rated capacities, refer to *The System/370™, System/390®, and System z Machine Exhibit* (Z125-3901), or visit the Mainframes section of the System z Exhibits 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 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 eServer™ System z 890 and 800 License Charges (Z125-6587).

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

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the utilization of a sub-capacity eligible reference product and machine.

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.

Prices

For additional information and current prices, contact your local IBM representative.

```
Translation from MSUs to Value Units

            MSUs        Value Units/MSU
   Base      1-3             1.00
   Tier A    4-45             .45
   Tier B    46-175           .36
   Tier C    176-315          .27
   Tier D    316+             .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: DB2 SQL Performance Analyzer for z/OS, V4.1
Program PID: 5655-W60

Entitlement                              License Option /
Identifier    Description                Pricing Metric

S0163DJ       DB2 SQL Perform Analyzer V4   Basic OTC, Value Units
                                            Basic OTC, Per MSU-day
                                            TUC


Orderable Supply ID    Language        Distribution medium

S0163DK                US English      3590 Tape Cartridge


Program Name: Tivoli OMEGAMON XE for DB2 Performance Expert on
z/OS, V5.1.0
Program PID: 5655-W37

Entitlement                              License Option /
Identifier    Description                Pricing Metric

S016K5T       OMEGAMON XE for DB2 PE V5    Basic OTC, Value Units
              Trade-up from 5655-CXE       Basic OTC, Per MSU-day
              Trade-up from 5655-J49       TUC
              Trade-up from 5655-CXE and
              5655-J49
              Trade-up from 5655-J50
              Trade-up from 5655-CXE and
              5655-J50
              Trade-up from 5655-Q08
              Trade-up from 5655-Q08 and
              5655-R98

Orderable Supply ID    Language        Distribution medium

S016K5L                Japanese        3590 Tape Cartridge
S016K5K                US English      3590 Tape Cartridge


Program Name: Tivoli OMEGAMON XE for DB2 Performance Monitor on
z/OS, V5.1.0
Program PID: 5655-W38

Identifier    Description                Pricing Metric

S016K5X       OMEGAMON XE for DB2 PM V5    Basic OTC, Value Units
              Trade-up from 5655-CXE       Basic OTC, Per MSU-day
              Trade-up from 5655-J50       TUC
              Trade-up from 5655-CXE and
              5655-J50

Orderable Supply ID    Language        Distribution medium


S016K5P                US English      3590 Tape Cartridge

Subscription and Support PID: 5655-E97

Entitlement
Identifier        Description          License Options/Pricing Metrics

S00V74X           DB2 SQL Perf         Basic ASC, per Value Unit SW S&S
                  Analyzer S&S         No charge, decline SW S&S
                                       Per MSU SW S&S registration

Orderable Supply ID    Language        Distribution medium

S00TH6W                English         Hardcopy publication


Subscription and Support PID: 5655-R07
```

```
Entitlement
Identifier        Description           License Options/Pricing Metrics

S0122MR           OMEGAMON XE for       Basic ASC, per Value Unit SW S&S
                  DB2 PE S&S            No charge, decline SW S&S
                                        Per MSU SW S&S registration


Orderable Supply ID    Language         Distribution medium

S0122MS                English          Hardcopy publication
S012BNK                Japanese         Hardcopy publication


Subscription and Support PID: 5655-R08

Entitlement
Identifier        Description           License Options/Pricing Metrics

S0122MV           OMEGAMON XE for       Basic ASC, per Value Unit SW S&S
                  DB2 PM S&S            No charge, decline SW S&S
                                        Per MSU SW S&S registration


Orderable Supply ID    Language         Distribution medium

S0122MW                English          Hardcopy publication
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Subscription and Support

To receive voice technical support via telephone and future releases and versions
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The combined effect of the IPLA license and the Agreement for Acquisition of
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