IBM United States Software Announcement
209-077, dated May 19, 2009

IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, and IBM DB2 Buffer Pool Analyzer for z/OS help better manage performance in DB2 environments

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At a glance

DB2® end-to-end performance management is enhanced with the availability of three new releases.

- Tivoli® OMEGAMON® XE for DB2 Performance Expert on z/OS®, V4.2
- Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2
- DB2 Buffer Pool Analyzer for z/OS, V4.2

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

Overview

Three new releases help you manage the performance of your DB2 environments:

- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS is a single, comprehensive assessment tool. You can use it to evaluate the efficiency of and optimize performance from your DB2 database in a z/OS environment. It offers all of the capabilities of the other two products in this announcement, and more.
- IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS helps you resolve critical performance issues. It enables you to monitor, analyze, and optimize the performance of DB2 databases and DB2 on z/OS applications online in real time and with batch reports.
- IBM DB2 Buffer Pool Analyzer for z/OS optimizes database performance by helping buffer pools function with outstanding efficiency. DB2 Buffer Pool Analyzer makes it easier to tune your database and substantially boost its capacity, speed, and reliability, supporting your efforts to succeed in the information economy.

Key prerequisites

Prerequisites are listed in the Hardware requirements and Software requirements sections.
Planned availability date

May 22, 2009

Description

Integration among the monitoring agents is key to leveraging the power of the OMEGAMON XE products. Dynamic workspace linking allows you to more easily navigate between workspaces that are provided by multiple products. This feature aids problem determination and can help improve integration across the monitoring products, allowing you to more quickly determine the root cause of a problem. Predefined cross-product links, provided by the OMEGAMON XE products, allow you to obtain additional information about systems, subsystems, resources, or network components.

The product interface and documentation for OMEGAMON XE monitoring agents on IBM System z® are translated into a number of languages. The translation of the monitoring agents provides a consistency with IBM Tivoli Monitoring V6.2, which has also been globalized. These globalized products make it easier for non-English speaking people to use OMEGAMON products and should help reduce the amount of time required for problem resolution. Translation support includes:

- The Performance Expert Client interface is translated into Simplified Chinese, Traditional Chinese, Korean, and Japanese.
- The Tivoli Enterprise Portal (TEP) interface is translated into Simplified Chinese, Traditional Chinese, French, German, Italian, Japanese, Korean, Brazilian Portuguese, and Spanish.
- Refer to the Publications section for the list of translated publications.

Each of the OMEGAMON XE products includes serviceability enhancements such as IBM Support Assistance (ISA) plug-ins and a Troubleshooting Guide common to IBM Tivoli Monitoring platform products to help with the correction of problems, should one occur.

These releases continue to support agent versioning. Agent versioning allows Version 3.1 and Version 4.2 monitoring agents to coexist in your environment during an upgrade period so that you can deploy new Version 4.2 monitoring agents to z/OS systems and subsystems along with older monitoring agents. Refer to the product publications for details about this support.

These releases use the Configuration Tool V3.1 that provides easy configuration of the product, propagates environments, and applies maintenance. Enhancements to ICAT V3.1 are for Run Time Environments (RTEs), set up to run using the SMP/E target libraries. ICAT now allows activation without the requirement of running the RTE Load job during SMP/e maintenance. Configuration data does not have to change with the installation of service. When activating service, you should not have to stop all monitors to update any one of them. The Configuration Tool supports SSL and IP V6 with a current restriction to 32-byte host names.

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.2 (5655-Q07) and Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2 (5655-Q08) provide enterprise-wide integration capabilities to create cross-platform management of mission-critical relational databases.

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS (OMPE) gives you a single, comprehensive tool to help assess the efficiency and optimize performance of your DB2 on z/OS environment. It combines the sophisticated reporting, monitoring, and buffer pool analysis features of Tivoli OMEGAMON XE for DB2 Performance Monitor and DB2 Buffer Pool Analyzer. It also adds expert database analysis functions to help you maximize performance and enhance productivity.

Version 4.2 includes all the functions of the prior release and adds support for consolidation and further improvements for usability, scalability, reliability, and serviceability, including:

- Introduction of a profile concept in the Installation and Customization Tool to:
– Improve management and usability in an environment with a larger number of DB2 subsystems and runtime environments (LPARs)
– Include support for migration from former OMPE customization into the new profiles methodology
• Rework and extension of the Configuration and Customization manual to map the new profile concept and for better consumability
• An enhanced navigation concept for Tivoli Enterprise Portal (TEP) workspaces aimed at improving navigation between workspaces that belong to the same category
• Consolidation of internal work processes to support improved scalability and response time, especially in larger environments
• Reporting enhanced with:
  – A new batch estimation option
  – CPU versus DASD resource balancing option
  – Additional DB2 performance metrics
  – Ongoing currency support of new DB2 features and functions
• ITM capabilities: OMPE V4.2 is built upon ITM 6.2.1, which includes:
  – High Availability Hub Tivoli Enterprise Monitor Server on z/OS
  – 64-bit field support in agent Tivoli Enterprise Monitor Server

The following enhancements were added via the service stream to Version 4.1 and are included in Version 4.2:
• DB2 V9 exploitation
• Support for DB2 V8 and V9 design changes
• Data sharing group support for threads in the Classic 3270 user interface (UI)
• DB2 virtual and real storage metrics in Classic 3270 and TEP UIs
• New Classic 3270 UI thread displays to further distinguish active and inactive threads
• TEP and Classic 3270 UI support for System z9® Integrated Information Processor (zIIP)
• Extensions to TEP UI:
  – DB2 message monitoring (based on IFCID 197) with product-provided situations
  – Numerous new high watermark statistics attributes along with product-provided situations
  – Dynamic Workspace Linking (DWL) on the TEP provided to:
    -- OMEGAMON XE for Mainframe Networks
    -- OMEGAMON XE for IMS™
    -- OMEGAMON XE for zNetview
• Extensions to Near-term History in Classic 3270
  – Near-term History (VSAMSEQ) to feed the batch reporting processes, including the Performance Warehouse
  – New Thread History filter by CORRID
  – Introduction of a new “sub-interval” parameter to enable visibility to extremely large workloads; for example, distributed
  – Workstation (distributed) information for Near-term Historical display
• Facility to run Collect Report Data in batch
• Extensions to Application Trace (ATF) for:
  – Multiple plan names and authids
  – Long-running traces, greater than 60 minutes
  – User-controlled VSAM flush interval, providing “instantaneous” availability of application trace data
• Ability to launch Optimization Service Center/Optimization Expert from OMPE Client
DB2 Buffer Pool Analyzer for z/OS, V4.2 (5655-R98) makes it easy to tune your database and substantially boost its capacity, speed, and reliability, which helps you succeed in the information economy. This release removes the 2 GB limitation in simulation.

Accessibility by people with disabilities

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


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 Web site

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.
Product identification number

<table>
<thead>
<tr>
<th>Program PID Number</th>
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<tr>
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<tr>
<td>5655-Q08</td>
<td>5655-R08</td>
</tr>
<tr>
<td>5655-R98</td>
<td>5655-E55</td>
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Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
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<tbody>
<tr>
<td>5655-Q07</td>
<td>420 Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS</td>
</tr>
<tr>
<td>5655-Q08</td>
<td>420 Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS</td>
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<tr>
<td>5655-R98</td>
<td>420 DB2 Buffer Pool Analyzer for z/OS</td>
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</table>

Offering Information

Product information is available via the Offering Information Web site

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).


Publications

The 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 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 the following publications is supplied automatically with the basic machine-readable material.

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS

<table>
<thead>
<tr>
<th>Publications title</th>
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</tr>
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<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert</td>
<td>GI10-8721</td>
</tr>
<tr>
<td>on z/OS Program Directory</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert</td>
<td>GI10-8722</td>
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<tr>
<td>on z/OS Japanese Program Directory</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert</td>
<td>LCD4-8226</td>
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<td>Expert/Monitor Language Pack</td>
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<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert</td>
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<td>on z/OS Documentation CD-ROM</td>
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IBM Tivoli OMEGAMON Data Files for z/OS V4.2.0 DVD  LCD7-3580
IBM Tivoli OMEGAMON Documentation CD  SCD7-0968
IBM Tivoli OMEGAMON XE Monitoring Agents on z/OS Quick Start Guide  GI11-8918
IBM Tivoli OMEGAMON XE and Tivoli Management Services on z/OS: Upgrade Guide  SC23-9745
International Program License Agreement  Z125-3301

Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS

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<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS Japanese Program Directory</td>
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<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert/Monitor Language Pack on z/OS Documentation CD-ROM</td>
<td>LCD4-8226</td>
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<tr>
<td>IBM Tivoli OMEGAMON Data Files for z/OS V4.2.0 DVD (z/OS common seeding CD)</td>
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<td>IBM Tivoli OMEGAMON Documentation CD</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE Monitoring Agents on z/OS Quick Start Guide</td>
<td>GI11-8918</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE and Tivoli Management Services on z/OS: Upgrade Guide</td>
<td>SC23-9745</td>
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<td>International Program License Agreement</td>
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DB2 Buffer Pool Analyzer for z/OS

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<tr>
<td>IBM DB2 Buffer Pool Analyzer for z/OS Program Directory</td>
<td>GI10-8725</td>
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<td>International Program License Agreement</td>
<td>Z125-3301</td>
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</table>

The publications listed below can be downloaded from the following Web site after the planned availability date.


Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS

<table>
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<th>Publications title</th>
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<tr>
<td>Configuration and Customization</td>
<td>GC19-2511</td>
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<td>Messages</td>
<td>GC19-2506</td>
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<tr>
<td>Monitoring Performance from ISPF</td>
<td>SC19-2509</td>
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<tr>
<td>Monitoring Performance from Performance Expert Client</td>
<td>SC19-2508</td>
</tr>
<tr>
<td>Reporting Users Guide</td>
<td>SC19-2510</td>
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<td>Report Reference</td>
<td>SC19-2504</td>
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<td>Report Command Reference</td>
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<td>Information Roadmap</td>
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<td>IBM DB2 Buffer Pool Analyzer User's Guide</td>
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<td>IBM Tivoli Monitoring Services</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE Monitoring Agents on z/OS Quick Start Guide</td>
<td>GI11-8918</td>
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<td>IBM Tivoli OMEGAMON XE and IBM Tivoli Management Services on z/OS: Upgrade Guide</td>
<td>SC23-9745</td>
</tr>
<tr>
<td>Monitoring Performance from the OMEGAMON Classic Interface</td>
<td>SC19-2507</td>
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<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS Program Directory</td>
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<tr>
<td>IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS Japanese Program Directory</td>
<td>GI10-8722</td>
</tr>
</tbody>
</table>
Specified operating environment

Hardware requirements
The products in this announcement will operate on any S/390® hardware configuration that supports the required versions of DB2.

Software requirements
The products in this announcement:

- Require:
  - z/OS V1.8 (5694-A01), or later
  - Tivoli Monitoring V6.2.1 (5698-A79) as an installation prerequisite and for Dynamic Workspace Linking
- Are designed to operate with:
  - DB2 V8.1 (5625-DB2)
  - DB2 Value Unit Edition V8.1 (5697-N29)
  - DB2 V9.1 (5635-DB2)
  - DB2 Value Unit Edition V9.1 (5697-P12)

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.2 and Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2 require DFSMS™, which is included with z/OS. Other supported subsystems are:

- CICS® Transaction Server V2.3, or later
- IMS V9.1, or later

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.

Customer requirements
Customer requirements are used extensively to determine how database tools evolve.

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.2 (5655-Q07) satisfies the following requirements:

- MR0302071310
- MR0306083532
- MR050808645
- MR0605082134
- MR0605084024
- MR080405665
- MR081308178
- MR0823075918
- MR1004074527
- MR101007439
- MR110906604 (for thread data only)
- MR1118082746
- MR112205575
- MR1130065316
- MR1211062130

Of the above requirements, the following were previously satisfied by Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.1 (5655-Q07) via the service stream:

- MR0302071310
- MR0306083532
- MR050808645
- MR0605082134
- MR0605084024
- MR081308178
- MR0823075918
- MR1004074527
- MR110906604 (for thread data only)
- MR1118082746
- MR112205575
- MR1211062130

Planning information

Packaging
The products in this announcement are distributed with:

- International Program License Agreement (Z125-3301)
• License Information documents
• One or more tape cartridges
• Publications (refer to the Publications section)

These programs when downloaded from a Web site, contain the applicable IBM license agreement, and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. The license and License Information will be stored in a directory such as LICENSE.TXT for future reference. This program, when downloaded from a Web site, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

The products in this announcement use the security and auditability features of the operating system software. You are responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities. 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

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<th>Program name</th>
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<tr>
<td>Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.2</td>
<td>5655-Q07</td>
<td>Value Unit</td>
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<tr>
<td>Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2</td>
<td>5655-Q08</td>
<td>Value Unit</td>
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<tr>
<td>DB2 Buffer Pool Analyzer for z/OS, V4.2</td>
<td>5655-R98</td>
<td>Value Unit</td>
</tr>
</tbody>
</table>

VU Value Unit

VU Value Unit is the unit of measure by which this program is licensed. VU Value Unit entitlements are based on the quantity of a specific designated measurement, either users or resources, for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of VU Value Units required for your environment as defined by the specific program terms. The VU Value Unit entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with VU Value Unit entitlements of another program. To understand these benefits of VU Value Unit licensing and to determine how many VU Value Units to obtain for the program, contact your IBM representative.

The programs in this announcement all have Value Unit-based pricing.
For each IBM eServer™ zSeries® 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 zSeries 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 minimum</th>
<th>MSUs maximum</th>
<th>Value Units/MSU</th>
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<tbody>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tier A</td>
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<tr>
<td>Tier B</td>
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<td>175</td>
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<tr>
<td>Tier C</td>
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<tr>
<td>Tier D</td>
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<td>+</td>
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**Value Units for mainframes without MSU ratings:**

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<td>MP3000 H50</td>
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<tr>
<td>ESL models</td>
<td>2</td>
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</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 = Value Units</th>
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<tbody>
<tr>
<td>Base</td>
<td>3 * 1.00 = 3.00</td>
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<tr>
<td>Tier A</td>
<td>42 * .45 = 18.90</td>
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<tr>
<td>Tier B</td>
<td>130 * .36 = 46.80</td>
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<tr>
<td>Tier C</td>
<td>140 * .27 = 37.80</td>
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<tr>
<td>Tier D</td>
<td>1,185 * .20 = 237.00</td>
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</table>

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 Web site at

**Basic license**

**On/Off CoD**

The products in this announcement are eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage. The On/Off CoD ordering information for each of the releases in this announcement is the same as for the prior releases. Refer to Software Announcement 206-251, dated October 10, 2006. Therefore, On/Off CoD ordering information is not included in this announcement.

**Translation from MSUs to Value Units**

<table>
<thead>
<tr>
<th>Tier</th>
<th>MSUs</th>
<th>Value Units/MSU</th>
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<td>Base</td>
<td>1-3</td>
<td>1.00</td>
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<tr>
<td>Tier A</td>
<td>4-45</td>
<td>.45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46-175</td>
<td>.36</td>
</tr>
<tr>
<td>Tier C</td>
<td>176-315</td>
<td>.27</td>
</tr>
<tr>
<td>Tier D</td>
<td>316+</td>
<td>.20</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.

The ordering information for each of the releases in this announcement is the same as for the prior releases. Refer to Software Announcement 206-251, dated October 10, 2006. Therefore, ordering information is not included in this announcement.

**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 Customized Offerings (for example, CBPDO, ServerPac, SystemPac®).
CBPDO and ServerPac are offered for Internet delivery, where ShopzSeries product ordering is available. Internet delivery of ServerPac may help improve automation and software delivery time. For more details on Internet delivery, refer to the ShopzSeries help information at http://www.software.ibm.com/ShopzSeries

Media type for this software product is chosen during the Customized Offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:

- CBPDOs - 3480, 3480 Compressed, 3490E, 3590, 3592
- ServerPacs - 3480, 3480 Compressed, 3490E, 3590, 3592
- SystemPacs - 3480, 3480 Compressed, 3490E, 3590, 3592

1 3592 is highest density media. Selecting 3592 will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next ServerPac and SystemPac monthly update.

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 inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac 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

<table>
<thead>
<tr>
<th>Program name</th>
<th>Program number</th>
<th>License Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V4.2</td>
<td>5655-Q07</td>
<td>GC18-9992</td>
</tr>
<tr>
<td>Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2</td>
<td>5655-Q08</td>
<td>GC18-9993</td>
</tr>
</tbody>
</table>
The programs' License Information will be available for review on the IBM Software License Agreement Web site


**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.

**Authorization for use on home/portable computer**

You may not copy and use this program on another computer without paying additional license fees.

**Volume orders (IVO)**

No

**Passport Advantage applies**

No

**Software Subscription and Support (Software Maintenance) applies**

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.
This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

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

**IBM Operational Support Services -- SoftwareXcel**

Yes

**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

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

**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 description</th>
<th>Terms</th>
<th>Parents - any of the following</th>
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</thead>
<tbody>
<tr>
<td>5655-Q07</td>
<td>Tivoli OMEGAMON XE for DB2 Performance Expert based on z/OS, V4.2</td>
<td>Reference</td>
<td>DB2 V8 (5625-DB2) DB2 V9 (5635-DB2) DB2 VUE V8 (5697-N29) DB2 VUE V9 (5697-P12)</td>
</tr>
<tr>
<td>5655-Q08</td>
<td>Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V4.2</td>
<td>Reference</td>
<td>DB2 V8 (5625-DB2) DB2 V9 (5635-DB2) DB2 VUE V8 (5697-N29) DB2 VUE V9 (5697-P12)</td>
</tr>
<tr>
<td>5655-R98</td>
<td>DB2 Buffer Pool Analyzer for z/OS, V4.2</td>
<td>Reference</td>
<td>DB2 V8 (5625-DB2) DB2 V9 (5635-DB2) DB2 VUE V8 (5697-N29) DB2 VUE V9 (5697-P12)</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 (and z/OS.e) 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 sub-capacity System z IPLA terms and conditions, refer to Software Announcement 204-184, dated August 10, 2004.

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms 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:

- That meets the criteria defined in Hardware Announcement 198-001, dated January 13, 1998.
- 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 (or z/OS.e) operating systems.
- Any licenses for the OS/390 operating system must be discontinued.
- All instances of the z/OS operating (or z/OS.e) systems must be running in z/Architecture® (64-bit) mode.
For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing Web site http://ibm.com/zseries/swprice

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM eServer System z 890 and 800 License Charges (Z125-6587).

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

Sub-capacity utilization determination

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

On/Off 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 Customer Initiated Upgrade and IBM eServer On/Off Capacity on Demand - Software (Z125-6611) must be signed prior to use.

Prices

The ordering and price information for each of the releases in this announcement is the same as for the prior releases. Refer to Software Announcement 206-251, dated October 10, 2006. Therefore, ordering and price information is not included in this announcement.

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Fax: 800-2IBM-FAX (242-6329)
Internet: callserv@ca.ibm.com
Mail: IBM Teleweb Customer Support
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Markham, Ontario
Canada
L3R 2Z1

Reference: LE001

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