



IBM DB2 : New tools help you better manage your environment

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At a glance

Enhanced DB2® tools deliver:

- Database administration
 - IBM® DB2 Administration Tool for z/OS®, V10.1
 - IBM DB2 Object Comparison Tool for z/OS, V10.1
- Utilities management
 - IBM DB2 Accessories Suite for z/OS, V2.1
 - IBM DB2 High Performance Unload for z/OS, V4.1
 - IBM DB2 Utilities Suite for z/OS, V10.1
- Performance management
 - IBM DB2 Buffer Pool Analyzer for z/OS, V5.1
 - IBM Tivoli® OMEGAMON® XE for DB2 Performance Expert on z/OS, V5.1
 - IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1

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

Overview

Enhanced DB2 tools help you use and manage your DB2 environments:

- IBM DB2 Accessories Suite for z/OS, V2.1 (5697-Q02) is a bundle of components that is designed to enhance your use of DB2 for z/OS.
- IBM DB2 Administration Tool for z/OS, V10.1 (5655-W34) enables the day-to-day tasks that are associated with managing a DB2 database. It simplifies the complex tasks associated with safely managing DB2 objects and schema throughout the application life cycle, while limiting impacts to availability.
- IBM DB2 Buffer Pool Analyzer for z/OS, V5.1 (5655-W35) can help optimize database performance by helping buffer pools function at high efficiency. DB2 Buffer Pool Analyzer makes it easier to tune your database and substantially boost its capacity, speed, and reliability, which can help you succeed in the information economy.
- IBM DB2 High Performance Unload for z/OS, V4.1 (5655-AA1) reads table spaces sequentially and provides quick access to DB2 data. DB2 High Performance Unload is a flexible, easy-to-use product that provides a fast and efficient tool to unload and extract data for movement across enterprise systems or for in-place reorganizations.

- IBM DB2 Object Comparison Tool for z/OS, V10.1 (5655-W36) makes it easier to compare and synchronize objects from different sources. DB2 Object Comparison Tool helps you compare and synchronize different DB2 objects while maintaining system availability and object integrity.
- IBM DB2 Utilities Suite for z/OS, V10.1 (5655-V41) is a comprehensive set of tools for managing DB2 data maintenance tasks. DB2 Utilities Suite helps you to minimize downtime associated with routine DB2 data maintenance while ensuring a high degree of data integrity.
- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 (5655-W37) introduces an end-to-end response time measurement capability surfacing DB2 for z/OS SQL metrics, making it IBM's most comprehensive DB2 application performance assessment tool. Use it to evaluate the efficiency of, and optimize performance of, your DB2 for z/OS database across your heterogeneous application environment. It offers all of the capabilities of IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS and IBM DB2 Buffer Pool Analyzer for z/OS, in addition to its own unique capabilities.
- IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 (5655-W38) helps you resolve critical performance issues. It enables you to monitor, analyze, and optimize the performance of DB2 for z/OS in real time displays, as well as in batch reports.

To view a complete list of the DB2 and IMS™ tools, visit

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

Key prerequisites

Refer to the [Hardware requirements](#) and [Software requirements](#) sections for key prerequisites.

Planned availability date

October 22, 2010

Description

IBM DB2 Accessories Suite for z/OS, V2.1 (5697-Q02) consists of several independent components designed to enhance your use of the DB2 for z/OS data server. In this release of the suite, three components deliver innovative new capabilities for your DB2 for z/OS environment. It includes support for spatial data, as well as Unicode and internationalization support for IBM Text Search Server.

- Spatial Support for DB2 for z/OS (hereafter referred to as *Spatial Support*) provides a set of spatial data types that you can use to model real-world entities, such as the locations of customers, the boundaries of parks, and the path of cable lines. You can manipulate spatial data by using spatial functions, which you can invoke from within an SQL statement. Also, you can create indexes on spatial data, which can be used by DB2 to optimize spatial query performance.
- The International Components for Unicode for DB2 for z/OS (hereafter referred to as *ICU for DB2 for z/OS* or *ICU*) is a set of C/C++ and Java libraries for Unicode support and software internationalization. ICU is an open source project sponsored by IBM and provides full-fledged Unicode services on a wide variety of platforms and is called by selected features of DB2 for z/OS and the Accessories Suite, such as Spatial Support, that requires these Unicode and internationalization functions.
- IBM OmniFind™ Text Search Server for DB2 for z/OS introduces the availability of Linux® on System z® server support. It delivers a complete System z solution for the IBM Text Search for DB2 for z/OS feature. The IBM Text Search for DB2 for z/OS feature allows users to issue SQL statements to satisfy familiar text search queries on data that is stored in a DB2 for z/OS database. The IBM Text

Search for DB2 for z/OS feature is powered by an IBM OmniFind Text Search Server for DB2 for z/OS.

IBM DB2 Administration Tool for z/OS, V10.1 (5655-W34) and **IBM DB2 Object Comparison Tool for z/OS, V10.1 (5655-W36)**, when used together, provide a function-rich object management solution. Both tools are designed with an easy-to-use Interactive System Productivity Facility (ISPF) interface that lets you:

- Manage and process DB2 objects
- Organize DB2 objects for better system throughput

DB2 Administration Tool for z/OS, V10.1 allows you to manage the tasks that keep DB2 performing at peak levels. It provides a comprehensive set of functions that helps your DB2 personnel manage their DB2 environments efficiently and effectively, including:

- Providing in-depth catalog navigation by:
 - Displaying and interpreting objects in the DB2 catalog
 - Executing dynamic SQL statements
- Integration with other DB2 tools to simplify the task process flow:
 - Table editing
 - SQL cost analysis
- Providing summary reports to provide an overview on complex data changes and migrations

DB2 Object Comparison Tool for z/OS, V10.1 helps maximize system availability by keeping production and testing database environments running in parallel. It:

- Simplifies the process of comparing objects and their dependents from different sources
- Synchronizes sources
- Consistently keeps production databases in step with those for testing and development

Enhancements of the new releases of DB2 Administration Tool and DB2 Object Comparison Tool focus on support for DB2 10 for z/OS, including GEN and Catalog navigation support for DB2 10 for z/OS and support for many new DB2 10 for z/OS object types and attributes. The new releases also include the following features:

- Support for new DB2 V10 features, such as schema evolution, temporal support, hash access to data, member cluster for universal table space (UTS), inline LOB columns, greater timestamp precision, timestamp with time zone, and new security levels
- A new ALT facility for performing simple-to-complex changes for databases, table spaces, tables, indexes, and views that consolidates and simplifies the flow of major DB2 Admin Tool functions (ALC, Redefine Tablespace, Redefine Index, and Rename Database)
- Support for the NOPAD unload option in the ALT facility,
- The ability to drop an explicitly created LOB table space
- Automatic detection of SQLCODE +610 by running an appropriate REORG or REBUILD utility
- Support to add an index column in RANDOM order
- Enhanced catalog copy to allow the user to specify who gets SELECT access on their copy of catalog tables
- Enhanced restart capabilities for Work Statement Lists to help handle unanticipated events

IBM DB2 Buffer Pool Analyzer for z/OS, V5.1 (5655-W35) makes it easy to tune your database and substantially boost its capacity, speed, and reliability, which can help you succeed in the information economy.

IBM High Performance Unload for z/OS, V4.1 (5655-AA1) is a high-speed utility for unloading DB2 tables. Enhancements delivered in this release include:

- Support for DB2 for z/OS, V10.1 (5605-DB2).
- New TAPEUNIT, TAPEREPOR, and STACK options to allow you to allocate output data sets on tape devices with stacking.
- Native support for the WITH UR clause of the SELECT statement has been added.
- A new COPYDDN_STRICT parameter and the modified DB2 parameter help to avoid the discrepancy between unloading the current data in the table space and unloading from an image copy.
- New INTERNAL output format.
- Support for native unloads of XML data into a LOB file reference.
- Support for options for the PATH keyword and support for the USS batch pipe data set type have been added to the TEMPLATE statement.

IBM DB2 Utilities Suite for z/OS, V10.1 (5655-V41) supports new functions and structural changes in the DB2 10 for z/OS product. Specifically, DB2 Utilities Suite supports the following functions and enhancements:

REORG utility enhancements for improved availability, performance, and usability:

- REORG LOB with SHRLEVEL CHANGE (now allows update access)
- REORG SHRLEVEL CHANGE of all catalog and directory objects
- Support disparate partition ranges
- Ability for REORG to cancel blocking threads
- Allow SHRLEVEL REFERENCE or CHANGE when table space is re-org pending
- Support SHRLEVEL CHANGE with REBALANCE
- Improved support for LOB during REORG of the base table space
- Allow movement of base rows between partitions (LOB data will follow)
- Support REBALANCE
- Support ALTER of limitkey
- Support DISCARD of base rows (LOB values are deleted)

The LOAD and UNLOAD utilities enhancements:

- Build a single dictionary that is used for all partitions
- Support of spanned records for UNLOAD of LOB and XML data
- Elapsed time reduction for LOAD of LOB and XML

Data set level FlashCopy® exploitation for backups by utilities:

- COPY: ability to create consistent backups
- REORG
- LOAD: ability to create consistent backups
- REBUILD INDEX
- COPYTOCOPY
- RECOVER

COPY utility enhancements:

- Allocate image copy data sets for CHANGELIMIT and incremental changes only if a copy will be taken
- Use RTS for CHANGELIMIT processing when deciding between full and incremental changes
 - Ability to do point-in-time recovery by backing out application work
 - Ability to enforce base plus auxiliary objects for point-in-time recovery

- CHECK DATA utility enhancements
 - Verify integrity of XML data
 - Validate XML schema
 - Resolve inconsistencies in XML data in some cases
- Overall utility enhancements
 - Improvements to utility concurrency due to removal of UTESERIAL lock
 - 64-bit BSAM buffer exploitation
 - UTSORIAL default changed to YES
- LISTDEF utility enhancements
 - Support added for CHECK DATA
 - Supports disparate part ranges
 - Added filtering by DEFINE YES or NO attribute
- REPORT RECOVERY utility shows system-level backup information
- MODIFY RECOVERY utility enhancements
 - Extended RETAIN® option to support multiple Generation Data Groups (GDGs)
- RUNSTATS utility enhancements
 - Support generation, use, and deletion of statistics profiles
 - Support auto sample rates
 - Support deletion of history information
 - Ability to gather statistics on views
 - New default of SHRLEVEL CHANGE

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 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.

Each new Version 5.1 includes all the functions of the prior release and continues collector and user interface consolidation long with improvements for usability, scalability, reliability, and serviceability. Key functionality in this release of each product includes:

- Support for IBM DB2 for z/OS, V10.1 (5605-DB2) and IBM DB2 for z/OS Value Unit Edition, V10.1 (5697-P31)
- End-to-end SQL monitoring capability extended to the z/OS platform (5655-W37 only)
- Further extensions to data-sharing group support
- IBM Tivoli Monitoring (ITM) capabilities: OMPE V5.1 is built upon ITM 6.2.1, which includes:
 - High Availability Hub Tivoli Enterprise Monitor Server on z/OS
 - 64-bit integer support in ITM components

The following enhancements were added via the service stream to each of the products in Version 4.2 and are included in each Version 5.1 offering:

- New "situations" defined to manage:
 - Available DB2 z/OS log space
 - Number of remote connections as a percentage of maximum connections allowed
- Numerous new SQL counters at both the thread and subsystem level surfaced to the Tivoli Enterprise Portal for use in custom situations

- Enable the "Cancel Thread" command for the "All threads" Tivoli Enterprise Portal attribute group in addition to the previously available "DB2 Thread Exceptions" attribute group
- Ability to launch IBM Optim™ Query Workload Tuner (5655-V81) and Optim Query Tuner (5655-V91)

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 [210-380](#), dated October 19, 2010
- Refer to Software Announcement [210-381](#), dated October 19, 2010

Program number

| Program number | VRM | Program name |
|----------------|--------|--|
| 5697-Q02 | 2.1.0 | IBM DB2 Accessories Suite for z/OS |
| 5655-W34 | 10.1.0 | IBM DB2 Administration Tool for z/OS |
| 5655-W35 | 5.1.0 | IBM DB2 Buffer Pool Analyzer for z/OS |
| 5655-AA1 | 4.1.0 | IBM DB2 High Performance Unload for z/OS |
| 5655-W36 | 10.1.0 | IBM DB2 Object Comparison Tool for z/OS |
| 5655-V41 | 10.1.0 | IBM DB2 Utilities Suite for z/OS |
| 5655-W37 | 5.1.0 | IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS |
| 5655-W38 | 5.1.0 | IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS |

Product identification number

| Program PID number | Subscription and Support PID number |
|--------------------|-------------------------------------|
| 5697-Q02 | 5655-R30 |
| 5655-W34 | 5655-E90 |
| 5655-W35 | 5655-E55 |
| 5655-AA1 | 5655-E89 |
| 5655-W36 | 5655-E40 |
| 5655-V41 | 5648-D68 |
| 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=210-345>

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 Accessories Suite for DB2 10 for z/OS (5697-Q02) | |
| License Information | GC19-3029 |
| Program Directory | GI10-8842 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| Omni/Txt Srch CD Linus | LCD4-8375 |
| Omni/Txt Srch CD Win | LCD4-8374 |
| Omni/Txt Srch CD zinus | LCD4-8376 |
| DB2 Accessories Suite for DB2 9 for z/OS (5697-Q02) | |
| License Information | GC19-3029 |
| Program Directory | GI10-8841 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| Omni/Txt Srch CD Linus | LCD4-8231 |
| Omni/Txt Srch CD Win | LCD4-8233 |
| Omni/Txt Srch CD zinus | LCD4-8349 |
| DB2 Administration Tool for z/OS, V10.1 (5655-W34) | |
| License Information | GC19-3034 |
| Program Directory | GI10-8844 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| DB2 Buffer Pool Analyzer for z/OS (5655-W35) | |
| License Information | GH12-6931 |
| Program Directory | GI19-0049 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| DB2 High Performance Unload for z/OS, V4.1 (5655-AA1) | |
| License Information | GC19-3170 |
| Program Directory | GI10-8859 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| DB2 Object Comparison Tool for z/OS (5655-W36) | |
| License Information | GC19-3038 |
| Program Directory | GI10-8846 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| DB2 Utilities Suite for z/OS, V4.1 (5655-V41) | |
| License Information | GC19-3184 |
| Program Directory | GI10-8840 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 (5655-W37) | |
| License Information | GH12-6929 |
| Program Directory | GI19-0046 |
| IPLA Agreement (IPLA-warranted) | Z125-3301 |
| Program Directory (Japanese) | GI19-0047 |
| Quick Start Guide for the end-to-end SQL monitoring function | GH12-6952 |
| Language Packs DVD | LCD7-2597 |
| Data files for Tivoli OMEGAMON XE for DB2 Performance Expert and Performance Monitor on z/OS DVD | LCD7-2600 |
| Activation Kit for End-to-End SQL monitoring DVD | LCD7-2599 |
| Optim Performance Manager V4.1 for LUW, Server AIX+Solaris DVD | LCD7-2601 |
| Optim Performance Manager V4.1 for LUW, Server WIN DVD | LCD7-2602 |
| Optim Performance Manager V4.1 for LUW, Server Linux DVD | LCD7-2603 |
| Optim Performance Manager Ext. Insight V4.1 LUW, Client SW DVD | LCD7-2604 |
| Optim Performance Manager Ext. Edition V4.1 Plugin for Tivoli Enterprise Portal DVD | LCD7-2605 |

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| DB2 Enterprise Server Edition V9.5 for win 64 bit DVD Mst | LCD7-2958 |
| DB2 Enterprise Server Edition V9.5 for 64 bit AIX® DVD Mst | LCD7-2959 |
| DB2 Enterprise Server Edition V9.5 for Solaris on UltraSPARC DVD Mst | LCD7-2961 |
| DB2 Enterprise Server Edition V9.5 for Linux on AMD64 and Intel® EM64T systems (x64) DVD Mst | LCD7-2963 |
| DB2 Enterprise Server Edition V9.5 for Linux on System z DVD Mst | LCD7-2964 |
| DB2 Enterprise Server Edition V9.5 for Linux on POWER DVD Mst | LCD7-2965 |
| Data Server Client V9.5 for windows® 32 bit DVD Mst | LCD4-8337 |
| Data Server Client V9.5 for windows 64 bit DVD Mst | LCD4-8338 |
| Data Server Client V9.5 for Linux on 32-bit AMD and Intel systems (x86) DVD Mst | LCD4-8339 |
| Data Server Client V9.5 for Linux on AMD64 and Intel EM64T systems (x64) DVD Mst | LCD4-8340 |
| DB2 Enterprise Server Edition V9.5 for win 32 bit | LCD7-2957 |
| DB2 Enterprise Server Edition V9.5 Restr.Use Activation | LCD7-2966 |
| | |
| Tiv OMEGAMON XE and ITMS Upgrade Guide | SC23-9745 |
| Tivoli OM XE Language Packs for z/OS | LCD7-3583 |
| | |
| Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 (5655-W38) | |
| License Information | GH12-6930 |
| Program Directory | GI19-0048 |
| | |
| IPLA Agreement (IPLA-Warranted) | Z125-3301 |
| Language Packs DVD | LCD7-2597 |
| Data files for Tivoli OMEGAMON XE for DB2 Performance Expert and Performance Monitor on z/OS DVD | LCD7-2600 |
| | |
| OM XE Mon Agnts zOS Qk St Gd | GI11-8918 |
| Tiv OMEGAMON XE and ITMS Upgrade Guide | SC23-9745 |
| Tivoli OM XE Language Packs for z/OS | LCD7-3583 |

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 Accessories Suite for z/OS, V2.1 (5697-Q02) | |
| Spatial Support User's Guide and Reference | GC19-2986 |
| DB2 Administration Tool for z/OS, V2.1 (5655-W34) | |
| User's Guide | SC19-3033 |
| DB2 Buffer Pool Analyzer for z/OS, V2.1 (5697-W35) | |
| User's Guide | SH12-6932 |
| Configuration Guide | SH12-6933 |
| Program Directory | GI19-0049 |
| DB2 High Performance Unload for z/OS, V4.1 (5655-AA1) | |
| User's Guide | SC19-3169 |
| DB2 Object Comparison Tool for z/OS, V10.1 (5655-W36) | |
| User's Guide | SC19-3037 |

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|---|-----------|
| DB2 Utilities Suite for z/OS, V4.1 (5655-V41) | |
| Utility Guide and Reference | SC19-2984 |
| Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 (5655-W37) | |
| DB2 Buffer Pool Analyzer for z/OS User's Guide | SH12-6932 |
| DB2 Buffer Pool Analyzer for z/OS Configuration Guide | SH12-6933 |
| Configuration and Customization Guide | GH12-6928 |
| Messages | GH12-6923 |
| Monitoring Performance from ISPF | SH12-6926 |
| Monitoring Performance from the OMEGAMON Classic Interface | SH12-6924 |
| Monitoring Performance from Performance Expert Client | SH12-6925 |
| Report Command Reference | SH12-6922 |
| Report Reference | SH12-6921 |
| Reporting User's Guide | SH12-6927 |
| Quick Start Guide for the end-to-end monitoring function | GH12-6952 |
| Optim Performance Manager Installation Guide V4.1.0.1 | GH12-2934 |
| Program Directory | GI19-0046 |
| Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 (5655-W38) | |
| Configuration and Customization Guide | GH12-6928 |
| Messages | GH12-6923 |
| Monitoring Performance from ISPF | SH12-6926 |
| Monitoring Performance from the OMEGAMON Classic Interface | SH12-6924 |
| Monitoring Performance from Performance Expert Client | SH12-6925 |
| Report Command Reference | SH12-6922 |
| Report Reference | SH12-6921 |
| Reporting User's Guide | SH12-6927 |
| Program Directory | GI19-0046 |

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 the following website

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

| Title | Order number |
|--|--------------|
| IBM Tivoli OMEGAMON XE Monitoring Agents on z/OS Quick Start Guide | GI11-8918 |
| IBM Tivoli OMEGAMON XE and IBM Tivoli Management Services on z/OS: Upgrade guide | SC23-9745 |

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 IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 and IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 products have an additional mandatory operational requirement for:

- Tivoli Monitoring V6.2.1 (5698-A79) fixpack 3 (6.2.1-TIV-ITM-FP0003) and an installation prerequisite.

IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 and IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 have an additional mandatory operational requirement for:

- DFSMS™ (which is included in z/OS)

DB2 Object Comparison Tool for z/OS, V10.1 has a mandatory operational requirement and a mandatory installation requisite for:

- DB2 Administration Tool for z/OS, V10.1

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)

Conditional operational requirements, per product, are:

DB2 Administration Tool for z/OS, V10.1 requires DB2 Object Comparison Tool for z/OS, V10.1 for use of change management processing.

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 and Tivoli OMEGAMON XE for DB2 Performance monitor on z/OS, V5.1 support the following additional subsystems:

- CICS® Transaction Server, V3.1, 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.

Limitations

For additional information, refer to the [Terms and conditions](#) section of this announcement, 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 Administration Tool for z/OS, V10.1 (5655-W34) satisfies the following requirements:

| | | |
|--------------|--------------|--------------|
| MR0107093631 | MR0112096144 | MR012703737 |
| MR0206063441 | MR0209065851 | MR0310053353 |
| MR0318034053 | MR0321062546 | MR0325055259 |
| MR0402052850 | MR0404073428 | MR0409036913 |
| MR041003441 | MR041006635 | MR041304522 |
| MR0429044055 | MR0430034845 | MR0506081355 |
| MR0513086739 | MR0520057138 | MR0530073729 |
| MR0530074423 | MR0602086047 | MR0604083053 |
| MR060408629 | MR060654703 | MR0618075635 |
| MR0618082247 | MR0624043247 | MR0701045052 |
| MR0701046723 | MR0701046743 | MR0714061110 |
| MR0716043550 | MR071706397 | MR0725076935 |
| MR0729087052 | MR0817092911 | MR0825037132 |
| MR0906062051 | MR0926025451 | MR0926026855 |
| MR1009027710 | MR1021076646 | MR1028031010 |
| MR1028033045 | MR1030066146 | MR1107033731 |
| MR1107034640 | MR1122026146 | MR1125025328 |
| MR1125027017 | MR1202025512 | MR1203034518 |
| MR1217035820 | MR1226026328 | |

DB2 High Performance Unload for z/OS, V4.1 (5655-AA1) satisfies the following requirements:

| | |
|--------------|--------------|
| MR0122083512 | MR0420093841 |
|--------------|--------------|

DB2 Object Comparison Tool for z/OS, V10.1 (5655-W36) satisfies the following requirements:

| | | |
|--------------|--------------|--------------|
| MR0112096144 | MR0331061436 | MR0410066810 |
| MR0624043247 | MR0722023124 | MR0805043610 |
| MR0906065433 | MR0918021721 | |

DB2 Utilities Suite for z/OS, V10.1 (5655-V41) satisfies the following requirements:

| | | |
|--------------|--------------|--------------|
| MR0908063631 | MR0104025621 | MR0123086827 |
| MR0102062655 | MR00073845 | MR0114084245 |
| MR0130083224 | MR0526085953 | MR0814081131 |
| MR0114052144 | MR0428055053 | MR1023057039 |
| MR0716034356 | MR00039309 | MR0130046720 |
| MR0130042713 | MR0513055430 | MR0615052136 |
| MR0716076251 | MR1016055913 | MR00076369 |
| MR0422082510 | MR063006596 | MR0321075446 |
| MR0305076840 | | |

Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 (5655-W37) satisfies the following requirements:

| | | |
|--------------|--------------|--------------|
| MR0205092650 | MR1030094026 | MR0330092431 |
| MR1012083710 | MR0416096330 | MR051410587 |
| MR0109086648 | MR1006084732 | |

Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 (5655-W37) satisfies the following requirements:

| | | |
|--------------|--------------|--------------|
| MR0205092650 | MR1030094026 | MR0330092431 |
| MR1012083710 | MR0416096330 | MR051410587 |
| MR0109086648 | MR1006084732 | |

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 Accessories Suite for z/OS, V2.1 | 5697-Q02 | Install(s) |
| DB2 Administration Tool for z/OS, V10.1 | 5655-W34 | Value Unit |
| DB2 Buffer Pool Analyzer for z/OS, V5.1 | 5655-W35 | Value Unit |
| DB2 High Performance Unload for z/OS, V4.1 | 5655-AA1 | Value Unit |
| DB2 Object Comparison Tool for z/OS, V10.1 | 5655-W36 | Value Unit |
| DB2 Utilities Suite for z/OS, V10.1 | 5655-V41 | 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-W34 | DB2 Administration Tool for z/OS, V10.1 | VUE007 |
| 5655-W35 | DB2 Buffer Pool Analyzer for z/OS, V2.1 | VUE007 |
| 5655-AA1 | DB2 High Performance Unload for z/OS, V4.1 | VUE007 |

| | | |
|----------|--|--------|
| 5655-W36 | DB2 Object Comparison Tool for z/OS, v10.1 | VUE007 |
| 5655-V41 | DB2 Utilities Suite for z/OS, v10.1 | VUE001 |
| 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 VUE001

Translation from MSUs to Value Units (VUE001)

| | MSUs | Value Units/MSU |
|--------|---------|-----------------|
| Base | 1-3 | 5.25 |
| Tier A | 4-45 | .83 |
| Tier B | 46-175 | .35 |
| Tier C | 176-315 | .26 |
| Tier D | 316+ | .20 |

Value Units for mainframes without MSU ratings:

| Hardware | Value Units/machine |
|------------|---------------------|
| MP3000 H30 | 21 |
| MP3000 H50 | 22 |
| MP3000 H70 | 26 |
| ESL models | 9 |

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 Accessories Suite for z/OS, V2.1
Program PID: 5697-Q02

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|------------------------------|---------------------------------|
| S01665L | DB2 Accessories Suite DB2 10 | No Charge Unlimited Installs |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016627 | US English | 3590 Tape Cartridge |

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---------------------------------|
| S01665M | DB2 Accessories Suite DB2 9 | No Charge Unlimited Installs |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016629 | US English | 3590 Tape Cartridge |

Program name: DB2 Administration Tool for z/OS, V10.1
Program PID: 5655-W34

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GL1 | DB2 Administration Tool V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016GKZ | US English | 3590 Tape Cartridge |

Program name: DB2 Buffer Pool Analyzer for z/OS, V5.1
Program PID: 5655-W35

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GL6 | DB2 Buffer Pool Analyzer V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016K5H | US English | 3590 Tape Cartridge |

Program name: DB2 High Performance Unload for z/OS, V4.1
Program PID: 5655-AA1

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-------------------------|---|
| S016GLC | DB2 High Perf Unload V4 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016GLB | US English | 3590 Tape Cartridge |

Program name: DB2 Object Comparison Tool for z/OS, V10.1
Program PID: 5655-W36

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GLG | DB2 Obj Comparison Tool V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016K6B | US English | 3590 Tape Cartridge |

Program name: DB2 Utilities Suite for z/OS, V10.1
Program PID: 5655-V41

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-------------------------|---|
| S0166GS | DB2 Utilities Suite V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S0166GV | US English | 3590 Tape Cartridge |

Program name: Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1
Program PID: 5655-W37

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|---------------------------|---|
| S016K5T | OMEGAMON XE for DB2 PE V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| 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
Program PID: 5655-W38

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|---------------------------|---|
| S016K5X | OMEGAMON XE for DB2 PM V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016K5P | US English | 3590 Tape Cartridge |

Subscription and Support PID: 5655-R30

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|----------------------------------|----------------------------------|
| S016G8X | DB2 Accessories Suite DB2 10 S&S | No Charge Unlimited Installs S&S |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|----------|----------------------|
| S016G90 | English | Hardcopy publication |

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|---------------------------------|----------------------------------|
| S013JXJ | DB2 Accessories Suite DB2 9 S&S | No Charge Unlimited Installs S&S |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S013JV5 | English | Hardcopy publication |

Subscription and Support PID: 5655-E90

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|-----------------------------|--|
| S00V746 | DB2 Administration Tool S&S | Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00TH8J | English | Hardcopy publication |

Subscription and Support PID: 5655-E55

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|------------------------------|--|
| S00VZFD | DB2 Buffer Pool Analyzer S&S | Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00VZFF | English | Hardcopy publication |

Subscription and Support PID: 5655-E89

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|--------------------------|--|
| S00V747 | DB2 High Perf Unload S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00TH8K | English | Hardcopy publication |

Subscription and Support PID: 5655-E40

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|---------------------------|--|
| S00V1JB | DB2 Object Comparison S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00V1XZ | English | Hardcopy publication |

Subscription and Support PID: 5648-D68

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|-------------------------|---|
| S00TKMF | DB2 Utilities Suite S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S |

Per MSU SW S&S Registration

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|----------|----------------------|
| S00TKMK | English | Hardcopy publication |

Subscription and Support PID: 5655-R07

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|----------------------------|--|
| S0122MR | OMEGAMON XE for DB2 PE S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|----------|----------------------|
| 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 DB2 PM S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|----------|----------------------|
| S012BNJ | Japanese | Hardcopy publication |
| 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, 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 numbers

| Program name | Program number | License Information |
|--|----------------|---------------------|
| DB2 Accessories Suite for z/OS | 5697-Q02 | GC19-3029 |
| DB2 Administration Tool for z/OS, V10.1 | 5655-W34 | GC19-3034 |
| DB2 Buffer Pool Analyzer for z/OS, V5.1 | 5655-W35 | GH12-6931 |
| DB2 High Performance Unload for z/OS, V4.1 | 5655-AA1 | GC19-3170 |
| DB2 Object Comparison Tool for z/OS, V10.1 | 5655-W36 | GC19-3038 |
| DB2 Utilities Suite for z/OS, V10.1 | 5655-V41 | GC19-3184 |
| Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.1 | 5655-W37 | GH12-6929 |
| Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, V5.1 | 5655-W38 | GH12-6930 |

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 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 number | Program name | Terms | Parents - any of the following |
|----------------|-----------------------|------------|--------------------------------|
| 5697-Q02 | DB2 Accessories suite | Reference- | DB2 V9 (5635-DB2) |

| | | | |
|----------|--|-----------------|--|
| | for z/OS, v2.1 | based | DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-w34 | DB2 Administration Tool for z/OS, v10.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-w35 | DB2 Buffer Pool Analyzer for z/OS, v5.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-w36 | DB2 Object Comparison Tool for z/OS, v10.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-AA1 | DB2 High Performance Unload for z/OS, v4.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-v41 | DB2 Utilities Suite for z/OS, v4.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-w37 | Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, v5.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |
| 5655-w38 | Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, v5.1 | Reference-based | DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31) |

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 (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 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 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 the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to a sysplex:

- That meets the criteria defined in U.S. 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 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 Accessories Suite for z/OS, V2.1
 Program PID: 5697-Q02

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|------------------------------|---------------------------------|
| S01665L | DB2 Accessories Suite DB2 10 | No Charge Unlimited Installs |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016627 | US English | 3590 Tape Cartridge |

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---------------------------------|
| S01665M | DB2 Accessories Suite DB2 9 | No Charge Unlimited Installs |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016629 | US English | 3590 Tape Cartridge |

Program name: DB2 Administration Tool for z/OS, V10.1
Program PID: 5655-W34

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GL1 | DB2 Administration Tool V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016GKZ | US English | 3590 Tape Cartridge |

Program name: DB2 Buffer Pool Analyzer for z/OS, V5.1
Program PID: 5655-W35

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GL6 | DB2 Buffer Pool Analyzer V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016K5H | US English | 3590 Tape Cartridge |

Program name: DB2 High Performance Unload for z/OS, V4.1
Program PID: 5655-AA1

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-------------------------|---|
| S016GLC | DB2 High Perf Unload V4 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016GLB | US English | 3590 Tape Cartridge |

Program name: DB2 Object Comparison Tool for z/OS, V10.1
Program PID: 5655-W36

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-----------------------------|---|
| S016GLG | DB2 Obj Comparison Tool V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|------------|---------------------|
| S016K6B | US English | 3590 Tape Cartridge |

Program name: DB2 Utilities Suite for z/OS, V10.1
Program PID: 5655-V41

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|-------------------------|---|
| S0166GS | DB2 Utilities Suite V10 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| | | |
|---------------------|------------|---------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S0166GV | US English | 3590 Tape Cartridge |

Program name: Tivoli OMEGAMON XE for DB2 Performance Expert
on z/OS, V5.1
Program PID: 5655-W37

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|---------------------------|---|
| S016K5T | OMEGAMON XE for DB2 PE V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| | | |
|---------------------|------------|---------------------|
| 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
Program PID: 5655-W38

| Entitlement Identifier | Description | License Option / Pricing Metric |
|------------------------|---------------------------|---|
| S016K5X | OMEGAMON XE for DB2 PM V5 | Basic OTC, Value Units Basic OTC, Per MSU-day TUC |

| | | |
|---------------------|------------|---------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S016K5P | US English | 3590 Tape Cartridge |

Subscription and Support PID: 5655-R30

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|----------------------------------|----------------------------------|
| S016G8X | DB2 Accessories Suite DB2 10 S&S | No Charge Unlimited Installs S&S |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S016G90 | English | Hardcopy publication |

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|---------------------------------|----------------------------------|
| S013JXJ | DB2 Accessories Suite DB2 9 S&S | No Charge Unlimited Installs S&S |

| | | |
|---------------------|----------|----------------------|
| Orderable supply ID | Language | Distribution Medium |
| S013JV5 | English | Hardcopy publication |

Subscription and Support PID: 5655-E90

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|--------------------|----------------------------------|
| S00V746 | DB2 Administration | Basic ASC, per Value Unit SW S&S |

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

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00TH8J | English | Hardcopy publication |

Subscription and Support PID: 5655-E55

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|------------------------------|--|
| S00VZFD | DB2 Buffer Pool Analyzer S&S | Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00VZFF | English | Hardcopy publication |

Subscription and Support PID: 5655-E89

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|--------------------------|--|
| S00V747 | DB2 High Perf Unload S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| | | |
|---------------------|----------|----------------------|
| Orderable Supply ID | Language | Distribution Medium |
| S00TH8K | English | Hardcopy publication |

Subscription and Support PID: 5655-E40

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|---------------------------|--|
| S00V1JB | DB2 Object Comparison S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| | | |
|---------------------|----------|----------------------|
| Orderable supply ID | Language | Distribution Medium |
| S00V1XZ | English | Hardcopy publication |

Subscription and Support PID: 5648-D68

| Entitlement Identifier | Description | License Options/Pricing Metrics |
|------------------------|-------------------------|--|
| S00TKMF | DB2 Utilities Suite S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| | | |
|---------------------|----------|----------------------|
| Orderable supply ID | Language | Distribution Medium |
| S00TKMK | 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 DB2 PM S&S | Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration |

| Orderable Supply ID | Language | Distribution Medium |
|---------------------|----------|----------------------|
| S012BNJ | Japanese | Hardcopy publication |
| S0122MW | English | Hardcopy publication |

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Corrections

(Corrected on November 5, 2010)

In the Ordering information section, the value unit exhibit for DB2 Utilities Suite for z/OS, V10.1 (5655-V41) was corrected, and the VUE001 value unit exhibit was added. In the Basic license section and Prices section, the entitlement identifier for Program PID 5655-W38 was corrected. In the Publications section, the International Program License Agreement was removed.