



# IBM DB2 tools and IBM IMS tools deliver new solutions and enhancements

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## At a glance

Enhanced IBM® tools deliver:

- Administration management:
  - IBM DB2® Administration Solution Pack for z/OS®, V1.1 (5697-DAM)
  - IBM DB2 Administration Toolkit for z/OS the SAP Edition, V2.3 (5697-L30)
  - IBM InfoSphere® Optim™ Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)
- Recovery management:
  - IBM DB2 Fast Copy Solution Pack for z/OS , V1.1 (5697-DFM)
- Utilities
  - IBM IMS™ Enterprise Suite for z/OS , V2.2 (5655-T62)

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

## Overview

**DB2 Administration Solution Pack for z/OS , V1.1 (5697-DAM)** delivers integrated administration management capabilities for DB2 for z/OS by combining the functionality from the following:

- IBM DB2 Administration Tool for z/OS , V10.2 (5655-W34)
- IBM DB2 Object Comparison Tool for z/OS , V10.2 (5655-W36)
- IBM InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)
- IBM DB2 Table Editor for z/OS , V4.4 (5697-G65)

Trade-up options for DB2 Administration Solution Pack for z/OS , V1.1 are available. The following list includes the eligible products, or eligible combinations of products, for each trade-up option.

- DB2 Administration Tool for z/OS , V10.2 (5655-W34)
- DB2 Object Comparison Tool for z/OS , V10.2 (5655-W36)
- DB2 Administration Tool for z/OS , V10.2 (5655-W34) and DB2 Object Comparison Tool for z/OS , V10.2 (5655-W36)
- DB2 Table Editor for z/OS , V4.4 (5697-G65)

- DB2 Administration Tool for z/OS , V10.2 (5655-W34) and DB2 Table Editor for z/OS , V4.4 (5697-G65)
- DB2 Administration Tool for z/OS , V10.2 (5655-W34) and DB2 Object Comparison Tool for z/OS , V10.2 (5655-W36) and DB2 Table Editor for z/OS , V4.4 (5697-G65)
- InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)

**DB2 Administration Toolkit for z/OS the SAP Edition, V2.3 (5697-L30)**

delivers capability that helps you manage DB2 for z/OS instances within your SAP ERP environment.

**DB2 Fast Copy Solution Pack for z/OS , V1.1 (5697-DFM)** takes advantage of storage-aware technology that delivers extremely rapid backup, recovery, and cloning of DB2 for z/OS data, which can reduce costs. This solution pack extends the value of DB2 Tools to clients with:

- IBM DB2 Recovery Expert for z/OS , V3.1 (5655-W78)
- IBM DB2 Cloning Tool for z/OS , V3.1 (5655-N15)

Trade-up options for DB2 Fast Copy Solution Pack for z/OS , V1.1 are available. The following list includes the eligible products, or eligible combinations of products, for each trade-up option.

- DB2 Recovery Expert for z/OS , V3.1 (5655-W78)
- DB2 Cloning Tool for z/OS , V3.1 (5655-N15)
- DB2 Recovery Expert for z/OS , V3.1 (5655-W78) and DB2 Cloning Tool for z/OS , V3.1 (5655-N15)

**InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)** can help you:

- Dynamically modify properties of JCC, CLI, and .NET applications to isolate transactions, map them to appropriate service classes, and achieve optimal resource utilization without requiring an outage
- Automatically monitor database client/server configurations and database objects, alerting the user when configurations are out-of-sync
- Dynamically control applications at the server by leveraging the Application Profiles feature in DB2 10 for z/OS

**IMS Enterprise Suite for z/OS , V2.2 (5655-T62)** components are designed to enhance your use of IMS applications and data. In this release of the suite, components deliver innovative new capabilities for your IMS environment that enhance connectivity, expand application development, extend standards and tools for a service-oriented architecture (SOA), ease installation, provide simplified interfaces, and provide ready access to IMS product information.

IMS Enterprise suite for z/OS , V2.1 is the last release to provide the DLIModel Utility plug-in. Customers using IMS Database Web Services should migrate to the more current IMS Universal Drivers and take advantage of the IMS Explorer support for these drivers.

In addition to the products in this announcement, IBM Tivoli® OMEGAMON® XE for DB2 Performance Expert on DB2 for z/OS , V5.1.1 (5655-W37) has added enhanced expert monitoring capability for DB2 for z/OS Stored Procedures to the previously announced features in Version 5.1.1. Refer to Software Announcement [212-135](#), dated May 08, 2012 .

DB2 for z/OS Stored Procedures offers significant benefits for application development, including modularity in application design through encapsulation of application logic, and other potential benefits like reducing network traffic. Understanding the complete performance attributes of applications exploiting stored procedures has been extremely difficult for the performance analyst prior to the availability of this OMEGAMON enhancement. With the introduction of the SQL Dashboard, OMEGAMON allows DBAs to reveal the execution of stored procedures

in a holistic view. This includes all nested activities as well as the ability to drill into the contents and calling paths of stored procedures, displaying the SQL statements in that stored procedure as well as in nested stored procedures. With the SQL statement now visible, OMEGAMON then allows SQL to be passed to tuning tools like Optim Query Workload Tuner to further analyze and tune a single statement or group of SQL statements as a "workload."

Mandatory installation requirements for the enhanced expert monitoring capability for DB2 for z/OS Stored Procedures are:

- Repository Server V5.1.1 Level 5120 ( InfoSphere Optim Performance Manager for DB2 for Linux™ , UNIX™ , and Windows™ (Repository Server))
- DTRC V2.1.1.1 ( InfoSphere Optim Data Tools Runtime Client (Data Tools Runtime Client))
- OMEGAMON PTF UK81112 for APAR PM67565 and PTF UK81124 for APAR PM70645

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

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

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## Key prerequisites

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

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## Planned availability date

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- October 26, 2012:
  - IMS Enterprise Suite for z/OS , V2.2
- November 16, 2012:
  - InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2
- December 14, 2012:
  - DB2 Administration Solution Pack for z/OS , V1.1
  - DB2 Fast Copy Solution Pack for z/OS , V1.1
  - DB2 Administration Toolkit for z/OS the SAP Edition, V2.3

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## Description

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**DB2 Administration Solution Pack for z/OS , V1.1 (5697-DAM)** offers features, functions, and processes that DBAs can use to more effectively and efficiently manage DB2 environments. Delivered capabilities can help DBAs to more easily complete tasks associated with object management, change management, application management, and configuration management.

DB2 Administration Solution Pack for z/OS is composed of the following tools:

- IBM DB2 Administration Tool for z/OS , V10.2 (5655-W34) 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
- Adding summary reports to provide overview on complex data changes and migrations
- IBM DB2 Object Comparison Tool for z/OS , V10.2 (5655-W36) can help you 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

The new releases of DB2 Administration Tool and DB2 Object Comparison Tool include the following features:

- Integrated product customization with IBM Tools Customizer for z/OS
- Ignoring changes to specific objects or certain object types
- Excluding objects from a particular process or output
- Limiting the use of a particular mask to a specific object
- Saving the results of a compare analysis to fine-tune future runs
- Displaying unmatched source and target objects, either online or using a report option
- Using Change Management Batch interface enhancements to facilitate DDL recovery
- IBM InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM) include functions that can help you to:
  - Isolate poorly behaving application clients within a DB2 for z/OS datasharing group in order to meet performance and availability objectives. InfoSphere Optim Configuration Manager adds support for CLI and .NET clients in addition to Java™ clients.
  - Redirect application clients from one DB2 for z/OS system to another mirrored system for disaster recovery or high availability. Support is added for CLI and .NET clients in addition to Java clients.
  - Enforce application client and driver properties to achieve desired workload balancing in DB2 for z/OS systems or conform application clients to appropriate DB2 for z/OS WLM service classes. Support is added for CLI and .NET clients, in addition to Java clients.
  - Leverage the DB2 10 for z/OS Application Profiles feature to manage client properties at the server in addition to managing properties at the client.
  - Make DB2 10 for z/OS administration easier by allowing create, start, and stop of dynamic location aliases or by dynamically changing the ZPARMS.
  - Show enterprise data assets using information gleaned from database application clients and scheduled database server jobs. Support is added for CLI and .NET clients in addition to Java clients. InfoSphere Optim Configuration Manager V2.2 is now integrated with DB2 Administration Tool, providing the user very detailed information of who made the change, when it was made, what DDL was used, and whether the change was uniformly made across all DB2 for z/OS subsystems.
  - Track changes to server and client configurations to help quickly determine the root cause of performance degradation. Version 2.2 adds support for automatic client and server configuration monitoring, issuing alerts whenever configuration differences are discovered.
  - Centralize client connection definitions and server data models to improve manageability. Version 2.2 adds support for synchronization of connection information with other Optim tools with InfoSphere Optim Configuration Manager as a Tool Registry.
- IBM DB2 Table Editor for z/OS , V4.4 (5697-G65) is IBM's multipurpose table editing environment that offers database administrators, developers, and the

entire enterprise, direct update and data creation operations on DB2 for z/OS databases from a Java , ISPF, or Windows-based user interfaces.

DB2 Table Editor helps you make the best use of your time by enabling quick and easy manipulation of data. It can help you reduce staff training time, enhances database administrator (DBA) productivity, increases the ability to respond to your workforce's need for high-performance business applications, and enables the IT team to institute proactive database maintenance.

DB2 Table Editor makes quick and easy work of navigating IBM DB2 databases, tables, and views; finding related data; and updating, deleting, or creating data with support for your existing DB2 security and logon IDs. It provides drag-and-drop functionality and wizards to rapidly create versatile, task-specific Java or Windows-based table editing forms that contain built-in data validation and business rules.

### **DB2 Administration Toolkit for z/OS the SAP Edition, V2.3 (5697-L30)**

consists of two database administration tools:

- IBM DB2 Administration Tool for z/OS , V10.2
- IBM DB2 Object Comparison Tool for z/OS , V10.2

These tools working together form a function-rich object management solution. All the functions of DB2 Administration Tool and DB2 Object Comparison tool are licensed for use with your SAP ERP solution systems running on DB2 for z/OS .

New features include:

- DB2 Administration Tool and Object Comparison Tool are now customized using IBM Tools Customizer, a common component that simplifies the post SMP/E installation customization tasks for many of the IBM DB2 Tools. In addition, features were added to enhance change management within the products, including the ability to group multiple changes into one request, the ability to ignore or exclude changes found in the change process, and the ability to apply and manage changes to one or more target system.
- DB2 Administration Tool reduces the complexity of managing and executing SAP Enterprise Resource Planning (ERP) changes, which enables your DBA to make faster and more accurate decisions and provides important features for administration of SAP ERP solution systems. Of particular importance to SAP ERP applications, DB2 Administration Tool allows:
  - Easy and fast navigation of a DB2 catalog, allowing you to issue DB2 commands, execute utilities, and examine schema structures
  - Changes of all ZPARMS and guides you through how to use the "online ZPARM" feature of DB2
- DB2 Object Comparison Tool support for SAP ERP solutions promotes database object integrity when objects are transported from test to production. Of particular importance to SAP ERP applications:
  - It provides quality assurance by comparing objects in SAP ERP solution databases. It helps you to identify potential risks or long running changes.
  - It alerts your DBA of user-defined objects, usually indexes, that will be affected by applying the change.

**DB2 Fast Copy Solution Pack for z/OS , V1.1 (5697-DFM)** consists of two storage-aware data management products:

- IBM DB2 Recovery Expert for z/OS V3.1 (5655-W78)
- IBM DB2 Cloning Tool for z/OS , V3.1 (5655-N15)

Storage-aware database products simplify backup, recovery, and cloning strategies by using automation to coordinate database system operations with storage-based fast-replication facilities. Performing data copy processes in the storage processors saves host CPU, I/O, and storage resources.

DB2 Recovery Expert for z/OS is a complete backup and recovery solution for DB2 on z/OS . It is designed to be a self-managing backup and recovery solution that is simple to use. It can improve staff efficiency by helping users of different experience levels back up and recover DB2 data. It provides:

- A backup and recovery solution that exploits the speed and efficiencies of FlashCopy® to significantly reduce backup and recovery times.
- An Intelligent Recovery Manager feature that performs sophisticated recovery analysis to produce recovery plans that will automatically include related application objects. The recovery jobs can be generated to run in parallel to further speed recovery times. This recovery analysis reduces the "think time" associated with recovery by analyzing all the available recovery assets and providing JCL to run the most appropriate and efficient type of recovery.
- A simple interface for recovery of dropped objects.
- Generated SQL based recoveries to backout and replay transactions. DBAs can use this generated SQL to recover from application errors.

DB2 Cloning Tool for z/OS is a powerful tool that gives you the ability to clone DB2 subsystems and table spaces easily, which can save you valuable resources and CPU consumption. It includes:

- Fast replication integration to copy the DB2 data while automating the conditioning of the data so it is accessible on the clone
- Reusable profiles, templates, and masking features that allow DBAs to very quickly create new test environments and perform volume stress tests on critical applications before they are moved into production
- A consistent copy of the source data without having to start and stop source objects, thereby improving application availability
- Optional generation or execution of DDL for creating nonexistent target objects

**InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)** includes functions that can help you to:

- Isolate poorly behaving application clients within a DB2 for z/OS datasharing group in order to meet performance and availability objectives. InfoSphere Optim Configuration Manager adds support for CLI and .NET clients in addition to Java clients.
- Redirect application clients from one DB2 for z/OS system to another mirrored system for disaster recovery or high availability. Support is added for CLI and .NET clients in addition to Java clients.
- Enforce application client and driver properties to achieve desired workload balancing in DB2 for z/OS systems or conform application clients to appropriate DB2 for z/OS WLM service classes. Support is added for CLI and .NET clients, in addition to Java clients.
- Leverage the DB2 10 for z/OS Application Profiles feature to manage client properties at the server in addition to managing properties at the client.
- Make DB2 10 for z/OS administration easier by allowing create, start, and stop of dynamic location aliases or by dynamically changing the ZPARMS.
- Show enterprise data assets using information gleaned from database application clients and scheduled database server jobs. Support is added for CLI and .NET clients in addition to Java clients. InfoSphere Optim Configuration Manager V2.2 is now integrated with DB2 Administration Tool, providing the user very detailed information of who made the change, when it was made, what DDL was used, and whether the change was uniformly made across all DB2 for z/OS subsystems.
- Track changes to server and client configurations to help you quickly determine the root cause of performance degradation. Version 2.2 adds support for automatic client and server configuration monitoring, issuing alerts whenever configuration differences are discovered.
- Centralize client connection definitions and server data models to improve manageability. Version 2.2 adds support for synchronization of connection

information with other Optim tools with InfoSphere Optim Configuration Manager as a Tool Registry.

## **IMS Enterprise Suite for z/OS , V2.2 (5655-T62)**

In this release of the suite, components deliver innovative new capabilities for your IMS environment. The SOAP Gateway, Connect API for Java , Java Message Services (JMS) API, IBM Installation Manager, and Base Services components for running in the z/OS environments are orderable, whereas the Explorer, SOAP Gateway, Connect API for C, Connect API for Java , and IBM Installation Manager components for running in Windows or Linux environments are provided, and can be downloaded at

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

The IBM Installable Information Management Software for z/OS Solutions Information Center is orderable along with the suite or can be downloaded from the web.

- SOAP Gateway helps you maximize reuse of your IMS assets, using standard interfaces with HTTP/SOAP transport to IBM and non-IBM components and utilizing Rational® tooling for XML conversion. New SOAP Gateway enhancements use industry standards and enhanced tooling to further extend the reach and participation of your IMS assets in an SOA, with:
  - WS-Security Enhancements for Security Assertion Markup Language (SAML) V1.1 and V2.0 support, which further protects the message integrity by enabling the recipient of the token to validate authenticity of the token and assert SAML token identity and attributes based on the trust relationship with the token issuer. Enhancements now also include support for SAML V2.0 signed tokens for inbound web service requests to IMS applications, where previously there was only Version 1.1 support, and support for SAML V1.1 and V2.0 unsigned tokens for IMS outbound requests, where previously there was no outbound support.
  - Immediate and graceful server shutdown support for both inbound and outbound transactions processing all in-flight messages before the server comes down.
  - Advanced installation support, which enhances the post-SMP installation flexibility through the use of the IBM Installation Manager for z/OS , and allows customers to install the SOAP Gateway components into different directories to allow for future growth and capacity increase. This support reduces administration overhead by allowing the installer to pull from a centralized repository delivered through SMP, provides a more secure product by allowing parts of the server architecture to remain in read-only mode, and offers a configurable server that can grow with increasing web service demands.
  - IMS Transaction Tracking support, which provides server "Health Check" functionality, using JMX monitoring to monitor, for example, Java Virtual Machines, connection resources, and traffic. It also provides transaction tracking to allow client applications to pass in a unique message ID or optionally generate the tracking ID with SOAP Gateway, to propagate and receive the transaction ID to IMS Connect and IMS Open Transaction Manager Access (OTMA), and to create a tracking log and send tracking information to other consumers. This support enables the IMS enterprise system for distributed enterprise-to-enterprise tracking and eases problem determination and health monitoring.
- Connect APIs for Java and C extend connectivity of distributed platforms to IMS and simplify application development for stand-alone, user-written IMS Connect clients. The Connect API for Java is enhanced to support the synchronous callout SendOnly with Ack function, which provides IMS synchronous callout applications an indication of their response delivery, enabling them to commit or abort their updated resources.
- IMS Explorer for Development support enables IMS application developers and database architects and developers to easily perform common and essential tasks in an end-to-end application development lifecycle, through an Eclipse-based user interface that seamlessly integrates with other Eclipse-based

solutions. Graphical editors simplify the development and visualization of Database Description (DBD) and Program Specification Block (PSB) resources definitions. Also provided are the ability to import Cobol and PL/I data structures to an IMS database by utilizing the importers of, and shell sharing with, Rational Developer for System z® , to generate PSB source, and to import and export DBD and PSB source from or to a z/OS remote system. By leveraging the IMS universal JDBC drivers, this support offers a relational view of IMS data and offers new function, such as graphical assistance to build SQL statements. Support is also provided for populating the IMS Catalog. This support could reduce IMS application development and deployment costs, and provide a foundation upon which additional internal and vendor-provided tools can extend and enrich the provided functionality.

- IMS Enterprise suite for z/OS , V2.1 is the last release to provide the DLIModel Utility plug-in. Customers using IMS Database Web Services should migrate to the more current IMS Universal Drivers and take advantage of the IMS Explorer support for these drivers.
- JMS API expands Java application development in Java dependent regions to offer synchronous callout support with the ICAL DL/I call.
- IBM Installation Manager provides an effective way of managing installations through a hosted repository that clients install with the added ability to apply APARs, rollback, and uninstall the product. This also provides the flexibility for the SOAP Gateway server components to be installed on different mount points and optionally in read-only mode, enhancing the server's ability to grow with the increasing demands for web services, with improved security.
- Base Services can help to ease installation, and includes the Java Development Kit and sample jobs for installation of z/OS based components
- IBM Installable Information Management Software for z/OS Solutions Information Center provides a locally installable IBM Eclipse Help System framework and topics that explain how to install, use, and obtain content updates. You can install this on Windows workstations or on an intranet server for ready access to IMS product information from anywhere and with faster search performance. IMS documentation plug-ins are available through the normal channels.

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

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

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

### **Section 508 of the US Rehabilitation Act**

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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**

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

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



identified by a three-digit code and referred to using the nomenclature VUExxx, where xxx is the three-digit code.

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

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

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

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

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

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

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

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## Reference information

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Refer to:

Software Announcement [211-025](#), dated February 15, 2011

Software Announcement [211-384](#), dated October 11, 2011

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## Program number

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Program number	VRM	Program name
5697-DAM	1.1.0	IBM DB2 Administration Solution Pack for z/OS
5697-L30	2.3.0	IBM DB2 Administration Toolkit for z/OS the SAP Edition
5697-DFM	1.1.0	IBM DB2 Fast Copy Solution Pack for z/OS
5655-OCM	2.2.0	IBM InfoSphere Optim Configuration Manager for DB2 for z/OS
5655-T62	2.2.0	IBM IMS Enterprise Suite for z/OS

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## Product identification number

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Program PID number	Subscription and Support PID number
5697-DAM	5697-DAS
5697-L30	5697-N30
5697-DFM	5697-DFS
5655-OCM	5655-OCS
5655-T62	5655-T61

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## Offering Information

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Product information is available via the Offering Information website

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

### Business Partner information

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

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=212-341>

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## Publications

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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
IBM DB2 Administration Solution Pack for z/OS, V1.1 (5697-DAM)	
License Information	GC19-3784
Program Directory	GI10-8933
IBM International Program License Agreement (IPLA-warranted)	Z125-3301
IBM International Agreement for Acquisition of Software Maintenance	Z125-6011
IBM DB2 Administration Toolkit for z/OS the SAP Edition, V2.3 (5697-L30)	
License Information	GI19-1177
Program Directory	GI10-8760
IBM International Program License Agreement (IPLA-warranted)	Z125-3301
IBM International Agreement for Acquisition of Software Maintenance	Z125-6011
IBM DB2 Fast Copy Solution Pack for z/OS, V1.1 (5697-DFM)	
License Information	GC19-3786
Program Directory	GI10-8934
IBM International Program License Agreement (IPLA-warranted)	Z125-3301
IBM International Agreement for Acquisition of Software Maintenance	Z125-6011
IBM InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2 (5655-OCM)	
License Information	GC19-3487
Program Directory	GI10-8909
IBM InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2 (5655-OCM) .iso files kit	LK5T-8861
IBM InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2 (5655-OCM) .zip files kit	LK5T-8862

IBM DB2 Enterprise Server Edition v10.1 for Multiplatforms kit LK5T-8874

IBM IMS Enterprise Suite for z/OS, v2.2 (5655-T62)  
License Information GC19-3416  
Program Directory GI10-8905  
Installation Manager for z/OS, v1.4 Program Directory GI11-9852

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 or 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
IBM DB2 Administration Solution Pack for z/OS, v1.1 (5697-DAM):	
IBM DB2 Administration Solution Pack for z/OS Overview and Customization Guide	SC19-3785
IBM DB2 Administration Tool for z/OS, v10.2 (5655-w34) User's Guide	SC19-3744
IBM DB2 Object Comparison Tool for z/OS, v10.2 (5655-w36) User's Guide	SC19-3778
IBM DB2 Table Editor for z/OS, v4.4 (5697-G65) User's Guide	SC19-3763
IBM DB2 Administration Toolkit for z/OS the SAP Edition, v2.3 (5697-L30):	
IBM DB2 Administration Tool for z/OS, v10.2 (5655-w34) User's Guide	SC19-3744
IBM DB2 Object Comparison Tool for z/OS, v10.2 (5655-w36) User's Guide	SC19-3778
IBM DB2 Fast Copy Solution Pack for z/OS, v1.1 (5697-DFM):	
IBM DB2 Fast Copy Solution Pack for z/OS Overview and Customization Guide	SC19-3787
IBM DB2 Recovery Expert for z/OS, v3.1 User's Guide	SC19-3687
IBM DB2 Cloning Tool for z/OS, v3.1 User's Guide	SC19-3493
IBM InfoSphere Optim Configuration Manager for DB2 for z/OS, v2.2 (5655-OCM):	
Quick Start Guide	GC19-3499

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>

### Specified operating environment

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#### **Hardware requirements**

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

Additional hardware requirements:

- **DB2 Administration Solution Pack for z/OS , V1.1 (5697-DAM)** desktop components: Any hardware configuration that supports the supported operating environments and supported Internet browsers.
- Before you install **InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2 (5655-OCM)** server, verify that the system hosting the server (distributed machine) meets the minimum hardware requirements:
  - 5 GB available hard drive space
  - 3 GB memory
- **IMS Enterprise Suite, V2.2 (5655-T62)** operates on any hardware configuration that supports the following:
  - Any 64-bit IBM processors that are capable of running the required z/OS V1.12 for functions that are to run on z/OS .
  - IBM processors capable of running Linux on System z for functions that are to run on this operating system and which are available for download at <http://www.ibm.com/ims>
  - Workstations capable of running Windows and Linux for functions that are to run on these operating systems and which are available for download at <http://www.ibm.com/ims>
  - Additional line-item requirement information is provided in the IMS Enterprise Suite Program Directory.

#### **Software requirements**

##### **Mandatory installation requirements:**

- z/OS V1.12 (5694-A01), or later
- IBM SMP/E for z/OS V3.5 (5655-G44), or later

##### **DB2 Tools**

The DB2 Tools in this announcement are designed to operate with:

- DB2 for z/OS , V9.1 (5635-DB2)
- DB2 for z/OS Value Unit Edition V9.1 (5697-P12)
- DB2 for z/OS , V10.1 (5605-DB2)
- DB2 for z/OS Value Unit Edition V10.1 (5697-P31)

Any one of the following operating systems are supported for **InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2:**

- AIX® V6.1, or V7.1 64 bit
- Windows 7 Professional, Enterprise, Ultimate x86-32, x86-64
- Windows Vista Business, Ultimate, Enterprise x86-32, x86-64
- Windows XP Professional SP2 X86-64
- Windows 8 Standard, Enterprise, Datacenter x86-64
- Windows Server 2003 Standard, Enterprise, Datacenter x86-64

- Windows Server 2003 R2 Standard, Enterprise, Datacenter x86-64
- Windows Server 2003 SP2 Standard, Enterprise, Datacenter x86-64
- Windows Server 2008 Standard, Enterprise, Datacenter x86-32, x86-64
- Windows Server 2008 R2 Standard, Enterprise, Datacenter x86-64
- Windows Server 2012 x86-64
- Red Hat Enterprise Linux Desktop 5, 6 x86-64
- Red Hat Enterprise Linux 5, 6 x86-64
- Red Hat Enterprise Linux Advanced Platform 5 x86-64
- Red Hat Enterprise Linux 5, 6 for System z 64 bit
- Red Hat Enterprise Linux Advanced Platform 5, for System z 64 bit
- Red Hat Enterprise Linux 5, 6 for System p®
- Red Hat Enterprise Linux Advanced Platform 5, for System p
- SUSE Linux Enterprise Desktop 10, 11 x86-64
- SUSE Linux Enterprise Server 10, 11 x86-64
- SUSE Linux Enterprise Server 10, 11 for System z 64 bit
- SUSE Linux Enterprise Server 10, 11 for System p 64 bit
- Sun Solaris SPARC 10 64 bit
- Sun Solaris 10 x86-64
- HP-UX 11i V3 IA64

The following operating systems are supported for **IBM InfoSphere Optim Data Tools Runtime Client feature of InfoSphere Optim Configuration Manager for DB2 for z/OS , V2.2:**

- AIX V6.1, V7.1 64 bit
- Windows 7 Professional, Enterprise, Ultimate x86-32 and x86-64
- Windows Vista Business, Ultimate, Enterprise x86-32 and x86-64
- Windows XP Professional SP2 x86-64/SP3 x86-32
- Windows 8 Standard, Enterprise, Datacenter x86-32, x86-64
- Windows Server 2003 Standard, Enterprise, Datacenter x86-32 and x86-64
- Windows Server 2003 R2 Standard, Enterprise, Datacenter x86-32 and x86-64
- Windows Server 2003 SP2 Standard, Enterprise, Datacenter x86-32 and x86-64
- Windows Server 2008 Standard, Enterprise, Datacenter x86-32 and x86-64
- Windows Server 2008 R2 Standard, Enterprise, Datacenter x86-64
- Windows Server 2012 x86-64
- Red Hat Enterprise Linux Desktop 5 x86-32 and x86-64
- Red Hat Enterprise Linux 5 x86-32 and x86-64
- Red Hat Enterprise Linux Advanced Platform 5 x86-32 and x86-64
- Red Hat Enterprise Linux Desktop 6 x86-32 and x86-64
- Red Hat Enterprise Linux 6 x86-32 and x86-64
- Red Hat Enterprise Linux 5, 6 for System p 64 bit
- Red Hat Enterprise Linux Advanced Platform 5 for System p 64 bit
- Red Hat Enterprise Linux 5, 6 for System z 64 bit
- Red Hat Enterprise Linux Advanced Platform 5 for System z 64 bit
- SUSE Linux Enterprise Desktop 10, 11 x86-32 and x86-64
- SUSE Linux Enterprise Server 10, 11 x86-32 and x86-64
- SUSE Linux Enterprise Server 10, 11 for System p 64 bit
- SUSE Linux Enterprise Server 10, 11 for System z 64 bit
- Sun Solaris SPARC 10 64 bit

- Sun Solaris 10 x86-64
- HP-UX 11i V2 IA64
- HP-UX 11i V3 IA64

Operating systems supported for **DB2 Administration Solution Pack for z/OS , InfoSphere Optim Configuration Manager for DB2 for z/OS feature, desktop components** are the same as those listed above for InfoSphere Optim Configuration Manager for DB2 for z/OS .

The following operating systems are supported for IBM DB2 Administration Solution Pack for z/OS , DB2 Table Editor for z/OS feature, desktop components:

- Microsoft™ Windows XP
- Windows Vista
- Windows 7

### **IMS Tools**

IMS Enterprise Suite for z/OS , V2.2 (5655-T62) component function operates with:

- IMS V11 (5635-A02)
- IMS V12 (5635-A03)

IMS Enterprise Suite for z/OS , V2.2 components requirements:

- IMS Enterprise Suite SOAP Gateway runs on z/OS , Linux on System z , and Windows .
- IMS Enterprise Suite JMS API open source runs on z/OS .
- IMS Enterprise Suite Connect API for Java runs on z/OS and Windows XP.
- IMS Enterprise Suite Connect API for C runs on Windows XP.
- IMS Enterprise Suite Explorer runs on Windows XP or Windows 7.
- Additional line-item requirement information is provided in the IMS Enterprise Suite Program Directory.

### **Mandatory operational requirements:**

DB2 Administration Solution Pack for z/OS , and DB2 Fast Copy Solution Pack for z/OS , require IBM Tools Base, V1.3 (5655-V93), a no-charge product at the latest maintenance level, in order to utilize the function delivered by IBM Tools Customizer for z/OS (FMID: HTCZ110).

### **Conditional operational requirements:**

DB2 Administration Solution Pack for z/OS requires: DB2 Cloning Tool for z/OS , V3.1 (5655-N15) for launching Cloning Tool in order to perform a clone of a selected list of table spaces.

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>

## Planning information

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### **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**

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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.

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## Software Services

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

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

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

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## Ordering information

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### **Charge metric**

Program name	PID number	Charge metric
DB2 Administration Solution Pack for z/OS, V1.1	5697-DAM	Value Unit
DB2 Administration Toolkit for z/OS the SAP Edition, V2.3	5697-L30	Value Unit
DB2 Fast Copy Solution Pack for z/OS, V1.1	5697-DFM	Value Unit
InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2	5655-OCM	Value Unit
IMS Enterprise Suite for z/OS, V2.2	5655-T62	Unlimited Installs

The following programs have Value Unit-Based pricing.

Program number	Program name	Value Unit exhibit
5697-DAM	DB2 Administration Solution Pack for z/OS, V1.1	VUE007
5697-L30	DB2 Administration Toolkit for z/OS, V2.3	VUE007
5697-DFM	DB2 Fast Copy Solution Pack for z/OS, V1.1	VUE007

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the *required license capacity* . Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

**Value Unit exhibit VUE007**

	MSUS minimum	MSUS maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

**Ordering example**

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUS to value units

	MSUS	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

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

**Ordering z/OS through the Internet**

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS . Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the US and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative



(or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

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

**Basic license**

**On/Off CoD**

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: IBM DB2 Administration Solution Pack for z/OS, v1.1  
 Program PID: 5697-DAM

Entitlement identifier	Description	License option / Pricing metric
S01730S	DB2 Administration Solution Pack for z/OS Trade-up from 5655-W34 Trade-up from 5655-W36 Trade-up from 5655-W34 and 5655-W36 Trade-up from 5697-G65 Trade-up from 5655-W34 and 5697-G65 Trade-up from 5655-W34 and 5655-W36 and 5697-G65 Trade-up from 5655-OCM	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S01730R	US English	3590 Tape Cartridge

Program Name: IBM DB2 Administration Toolkit for z/OS the SAP Edition, V2.3  
 Program PID: 5697-L30

Entitlement identifier	Description	License option / Pricing metric
S013T7K	DB2 Admin Toolkit SAP Ed V2	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S0168RD	US English	3590 Tape Cartridge

Program Name: IBM DB2 Fast Copy Solution Pack for z/OS, v1.1  
Program PID: 5697-DFM

Entitlement identifier	Description	License option / Pricing metric
S01731M	DB2 Fast Copy Solution Pack Trade-up from 5655-W78 Trade-up from 5655-N15 Trade-up from 5655-W78 and 5655-N15	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S01731L	US English	3590 Tape Cartridge

Program Name: IBM InfoSphere Optim Configuration Manager for DB2 for z/OS v2.2  
Program PID: 5655-OCM

Entitlement identifier	Description	License option / Pricing metric
S016RFJ	InfoSphere Opt Conf Manager	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S016VFR	US English	3590 Tape Cartridge

Program Name: IBM IMS Enterprise Suite for z/OS, v2.2  
Program PID: 5655-T62

Entitlement identifier	Description	License option / Pricing metric
S016SNK	IMS Enterprise Suite for z/OS	No charge, Unlimited Installs

Orderable supply ID	Language	Distribution medium
S016SNJ	US English	3590 Tape Cartridge

Subscription and Support PID: 5697-DAS

Entitlement identifier	Description	License options/Pricing metrics
S01730W	DB2 Admin Sol Pack for z/OS 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
S01730V	English	Hardcopy publication

Subscription and Support PID: 5697-N30

Entitlement Identifier	Description	License Options/Pricing Metrics
S011VVR	DB2 Admin Toolkit SAP Ed 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
S011VVS	US English	Hardcopy publication

Subscription and Support PID: 5697-DFS

Entitlement identifier	Description	License options/Pricing metrics
S01731J	DB2 Fast Copy Sol Pack 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
S01731H	English	Hardcopy publication

Subscription and Support PID: 5655-OCS

Entitlement Identifier	Description	License Options/Pricing Metrics
S016RFH	InfoSphere Opt Conf Manager 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
S016RFG	US English	Hardcopy publication

Subscription and Support PID: 5655-T61

Entitlement Identifier	Description	License Options/Pricing Metrics
S015NCC	IMS Enterprise Suite S&S	Unlimited Installs SW S&S

Orderable supply ID	Language	Distribution medium
S015NC9	US 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.

### Withdrawal from Marketing (WFM) Information

A new product release within a version supersedes the release level that precedes it. Accordingly, the following product releases will be withdrawn from marketing, effective on the date the new release becomes available.

#### Release to be withdrawn from marketing effective October 26, 2012

Name of product being withdrawn	Ver	Rel	Mod	Product number
IMS Enterprise Suite for z/OS	2	1	0	5655-T62

#### Release to be withdrawn from marketing effective November 16, 2012

Name of product being withdrawn	Ver	Rel	Mod	Product number
InfoSphere Optim Configuration Manager for DB2 for z/OS	2	1	0	5655-OCM

#### Releases to be withdrawn from marketing effective December 14, 2012

Name of product being withdrawn	Ver	Rel	Mod	Product number
DB2 Administration Toolkit for z/OS the SAP Edition	2	2	0	5697-L30

### Replacement information :

- 5655-T62, IMS Enterprise Suite for z/OS , V2.1 is replaced by 5655-T62, IMS Enterprise Suite for z/OS , V2.2
- 5655-OCM, InfoSphere Optim Configuration Manager for DB2 for z/OS V2.1 is replaced by 5655-OCM, InfoSphere Optim Configuration Manager for DB2 for z/OS V2.2
- 5697-L30, DB2 Administration Toolkit for z/OS the SAP Edition V2.2 is replaced by 5697-L30 DB2 Administration Toolkit for z/OS the SAP Edition V2.3 as announced in Software Announcement [212-341](#), dated October 03, 2012 .

### Customized Offerings

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

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

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

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

- 3590
- 3592

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

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

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## Terms and conditions

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

### ***Licensing***

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

### ***Agreement for Acquisition of Software Maintenance***

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

### ***License Information form number***

Program name	Program number	License Information
DB2 Administration Solution Pack for z/OS, V1.1	5697-DAM	GC19-3784
DB2 Administration Toolkit for z/OS the SAP Edition, V2.3	5697-L30	GI19-1177
DB2 Fast Copy Solution Pack for z/OS, V1.1	5697-DFM	GC19-3786
InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2	5655-OCM	GC19-3487
IMS Enterprise Suite for z/OS, V2.2	5655-T62	GC19-3416

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.

### **Sub-capacity terms and conditions**

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For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parents - any of the following
5697-DAM	DB2 Administration Solution Pack for z/OS, V1.1	Reference-based	DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31)
5697-L30	DB2 Administration Toolkit for z/OS the SAP Edition, V2.3	Full Machine based	n/a (no parent program)
5697-DFM	DB2 Fast Copy Solution Pack for z/OS, V1.1	Reference-based	DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31)
5655-OCM	InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2	Reference-based	DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31)
5655-T62	IMS Enterprise suite for z/OS, V2.2	Full Machine based	n/a (no parent program)

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

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

For more information on mainframe MSU-rated capacities, visit

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

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

### **Sub-capacity mainframes**

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

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

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

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

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

For more information on mainframe MSU-rated capacities, refer to The IBM System z Machines Exhibit, Z125-3901, or visit the Mainframes section of the System z Exhibits website

<http://ibm.com/zseries/library/swpriceinfo/>

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex® . You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex . Qualified Parallel Sysplex refers to one:

- Where MLC pricing is aggregated across the sysplex

### **Sub-capacity eligibility**

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems.
- Any licenses for the OS/390 operating system must be discontinued.
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode.

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting



Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing website

<http://ibm.com/zseries/swprice>

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

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

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

### **Sub-capacity utilization determination**

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

### **On/Off Capacity on Demand (CoD)**

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To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

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## **Statement of good security practices**

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IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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## **Prices**

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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: IBM DB2 Administration Solution Pack for z/OS, V1.1  
 Program PID: 5697-DAM

Entitlement identifier	Description	License option / Pricing metric
S01730S	DB2 Administration Solution Pack for z/OS Trade-up from 5655-W34 Trade-up from 5655-W36 Trade-up from 5655-W34 and 5655-W36 Trade-up from 5697-G65 Trade-up from 5655-W34 and 5697-G65 Trade-up from 5655-W34 and 5655-W36 and 5697-G65 Trade-up from 5655-OCM	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S01730R	US English	3590 Tape Cartridge

Program Name: IBM DB2 Administration Toolkit for z/OS the SAP Edition, V2.3  
 Program PID: 5697-L30

Entitlement identifier	Description	License option / Pricing metric
S013T7K	DB2 Admin Toolkit SAP Ed V2	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S0168RD	US English	3590 Tape Cartridge

Program Name: IBM DB2 Fast Copy Solution Pack for z/OS, V1.1  
 Program PID: 5697-DFM

Entitlement identifier	Description	License option / Pricing metric
S01731M	DB2 Fast Copy Solution Pack Trade-up from 5655-W78 Trade-up from 5655-N15 Trade-up from 5655-W78 and 5655-N15	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S01731L	US English	3590 Tape Cartridge

Program Name: IBM InfoSphere Optim Configuration Manager for DB2 for z/OS, V2.2  
 Program PID: 5655-OCM

Entitlement identifier	Description	License option / Pricing metric
S016RFJ	InfoSphere Opt Conf Manager	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S016VFR	US English	3590 Tape Cartridge

Program Name: IBM IMS Enterprise Suite for z/OS, V2.2  
Program PID: 5655-T62

Entitlement identifier	Description	License option / Pricing metric
S016SNK	IMS Enterprise Suite V2	No charge, Unlimited Installs

Orderable supply ID	Language	Distribution medium
S016SNJ	US English	3590 Tape Cartridge

Subscription and Support PID: 5697-DAS

Entitlement identifier	Description	License options/Pricing metrics
S01730W	DB2 Admin Sol Pack for z/OS 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
S01730V	English	Hardcopy publication

Subscription and Support PID: 5697-N30

Entitlement Identifier	Description	License Options/Pricing Metrics
S011VVR	DB2 Admin Toolkit SAP Ed 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
S011VVS	US English	Hardcopy publication

Subscription and Support PID: 5697-DFS

Entitlement identifier	Description	License options/Pricing metrics
S01731J	DB2 Fast Copy Sol Pack 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
S01731H	English	Hardcopy publication

Subscription and Support PID: 5655-OCS

Entitlement Identifier	Description	License Options/Pricing Metrics
S016RFH	Infosphere Opt Conf Manager for DB2 for z/OS 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
S016RFG	US English	Hardcopy publication

Subscription and Support PID: 5655-T61

Entitlement Identifier	Description	License Options/Pricing Metrics
S015NCC	IMS Enterprise Suite S&S	Unlimited Installs SW S&S

Orderable Supply ID	Language	Distribution medium
S015NC9	US English	Hardcopy publication

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