



IBM Optim Database Administrator enhanced to support large DB2 Linux , UNIX , and Windows enterprises

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At a glance

Optim Database Administrator, a solution designed to help lessen the impact of changes in a database environment, has been enhanced to support large DB2® Linux®, UNIX®, and Windows® environments. Large businesses rely on the ability to change their mission-critical applications quickly with minimal impact to their production environment. The following enhancements provide support for these large environments:

- Federated Support provides administration of federated objects such as wrappers, nicknames, and user mappings.
- DB2 Command Line Processor (CLP) Generated Scripts generate change management scripts in a format that is compatible with CLP.
- Large Database Support offers overall scalability and performance enhancements for environments with large volumes of objects.

To order, contact your IBM® representative, an IBM Business Partner, or the Americas Call Centers at: 800-IBM-CALL Reference: YE001

Overview

Optim Database Administrator is a solution designed to help prevent errors and data loss when upgrading databases to support new applications. An easy-to-use user interface helps make specifying the changes quicker and simpler, while the powerful and comprehensive change management engine analyzes the change and builds a syntactically correct script that takes into account data preservation, security privileges, and all dependent objects.

New and enhanced capabilities in Version 2.2.2 improve overall administrative tasks by supporting federated objects and providing the ability to produce scripts that can run with the DB2 CLP. Optim Database Administrator helps you:

- Automate and script structural database changes
- Perform extended alters that require dropping and re-creating tables and managing data preservation
- Perform schema compare and synchronization with custom mapping features
- Migrate database objects, data, and privileges and generate maintenance utility commands

Key prerequisites

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

Planned availability date

December 11, 2009, electronic software delivery

December 18, 2009, media and documentation

Description

Optim Database Administrator provides a simpler and more powerful solution for managing change in your DB2 environment. New enhancements build on the value that Optim Database Administrator already provides. These enhancements are designed for medium- to large-size DB2 customers that rely on DB2 Linux, UNIX, and Windows (LUW) for their mission-critical applications.

Federated databases provide interoperability to businesses that rely on multiple data servers, even if those data servers are heterogeneous. Through the use of wrappers and nicknames, the objects in remote data servers can be managed from a single data server, allowing for easier management and development. Optim Database Administrator now takes into account these federated objects and treats them as any other database object, allowing for create, alter, copy and paste, and other functions that are found within the solution.

As businesses grow, so does the amount of database objects required to support that business; and along with that growth comes the challenge of managing large volumes of objects. Optim Database Administrator has been enhanced to more rapidly display these large environments in the user interface, and the change management engine has been enhanced to provide quicker analysis.

As businesses rely more and more on their applications, any disruption during business hours is not acceptable. For this reason, many companies choose to implement change during off-peak hours, often in the middle of the night. Optim Database Administrator has been enhanced to provide the ability to generate DB2 CLP scripts. These scripts can be run independently of Optim Database Administrator and can be scheduled by using a third-party scheduler to facilitate off-hours, hands-free change management.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM Web site

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

Section 508 of the U.S. Rehabilitation Act

IBM Optim Database Administrator for DB2 for LUW is capable as of December 18, 2009, 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. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following Web site

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

Product positioning

Businesses today rely more and more on the applications that power them -- making downtime due to version upgrades or even simple changes unacceptable. Business growth drives change, and as the application changes, so do the underlying database structures. Adding new and modifying existing objects is complex, labor-intensive, and prone to error. Even small changes can lead to application downtime when a dependency is forgotten or the data is not preserved during a change.

Managing change properly is critical to keep costs down. Making changes manually can be costly in terms of time and resources, and these costs can quickly skyrocket if integrity of the data or the application is compromised due to an application change. Businesses today need to:

- Change production applications quickly to meet business needs
- Manage multiple business-critical applications with fewer resources
- Achieve maximum availability of business-critical applications
- Ensure the integrity of the data for both internal- and external-facing applications

Optim Database Administrator V2.2 is an upgrade from Data Studio Administrator V2.1. Optim Database Administrator is a powerful database administration tool that provides an easy-to-use interface to perform everyday tasks such as object changes, utilities, commands, configuration changes, and granting or revoking of security privileges. Database administrators typically use Optim Database Administrator to automate the building of database administration scripts. Automated building of scripts can be initiated by indicating a set of changes through the GUI or by indicating a migration of a set of database objects from one server to another using a copy and paste function.

After these actions have been initiated, Optim Database Administrator does the hard work by handling data and dependency preservation along with providing a comparison mapping so that database changes will be built as intended. Automating these scripts not only helps save time, but can also help reduce errors inherent in this environment due to the complex set of dependencies often found in relational databases. Optim Database Administrator provides benefits by helping to:

- Speed time to market by automating the complexity of database changes
- Reduce resource cost by automating the time-consuming task of building change management scripts
- Increase availability by streamlining the process required to change the application
- Maintain integrity of the data and application with error-free scripts

Program number

Program number	VRM	Program name
5724-x85	2.2.2	IBM Optim Database Administrator for DB2 for Linux, UNIX, and Windows

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training Web site

<http://www.ibm.com/services/learning/>

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Available from IBM training, the newest offerings to support your training needs, enhance your skills, and boost your success with IBM software.

IBM offers a range of training options from traditional classroom to Instructor-Led Online to meet your demanding schedule. Instructor-Led Online (ILO) is an innovative learning format where students get the benefit of being in a classroom with the convenience and cost savings of online training.

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Visit ibm.com/training or call IBM training at 800-IBM-TEACH (426-8322) for scheduling and enrollment.

Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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

Publications

No hardcopy publications are shipped with this product.

The IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

IBM Redbooks® offer deep technical insight from IBM and industry experts. These books highlight real-time experiences, and include sample code, typical scenarios, and step-by-step, "how-to" guidelines.

For a list of Redbooks, refer to

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

Technical information

Specified operating environment

Hardware requirements

Memory and disk requirements: The following table shows applicable recommended minimum memory and disk requirements. The actual requirements depend on the applications you intend to run. These requirements do not include any additional memory or disk requirements for other software that is running on your system. The numbers below are for reference only.

Product	Memory	Disk
IBM Optim Database Administrator	2 GB	750 MB

Software requirements

The operating system support level of various IBM Data Studio products is frequently updated. To obtain the current information for supported software levels, including recommended maintenance levels, refer to

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

Minimal requirements for operating systems at the time of announcement are listed as follows. (Refer to the Web site previously listed for further details and Service Pack requirements.)

IBM Optim Database Administrator supports the following desktop operating systems:

- Microsoft® Windows XP Professional 32 and 64 bit
- Microsoft Windows Vista (Business, Enterprise, Ultimate) 32 and 64 bit
- Microsoft Windows Server 2003 Standard x86-32 and x86-64
- Microsoft Windows Server 2003 Enterprise x86-32 and x86-64
- Microsoft Windows Server 2008 Standard x86-32 and x86-64
- Microsoft Windows Server 2008 Enterprise x86-32 and x86-64
- Red Hat Desktop 4.0 x86-32
- Red Hat Enterprise Linux 4.0 AS/ES x86-32
- Red Hat Enterprise Linux 5.0 AS/ES x86-32
- Red Hat Enterprise Linux 5.0 AS/ES x86-64
- SUSE Linux Enterprise Server 10 x86-32
- SUSE Linux Enterprise Server 10 x86-64
- SUSE Linux Enterprise Desktop 10 x86-32
- SUSE Linux Enterprise Desktop 10 x86-64

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

Planning information

Customer responsibilities

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by

the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

Packaging

IBM Optim Database Administrator for DB2 for Linux, UNIX, and Windows

- IBM Optim Database Administrator V2.2.2 for Windows DVD
- IBM Optim Database Administrator V2.2.2 for Linux DVD
- IBM Optim Database Administrator V2.2.2 License Enablement Kit - Multiplatform CD
- Quick Start CD
- Quick Start Guide

Security, auditability, and control

The products in this announcement use the security and auditability features of the host hardware or 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

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product information

Licensed function title	Product group	Product category
IBM Optim Database Administrator for DB2 for LUW	IBM Database 2™	Data Studio
Program name	PID number	Charge unit description
IBM Optim Database Administrator for DB2 for LUW	5724-X85	Concurrent User
IBM Optim Database Administrator for	5724-X85	Processor value

DB2 for LUW			Unit
IBM Optim Database Administrator for	5724-X85		PROCESSOR-Day(s)
DB2 for LUW			
IBM Optim Database Administrator for	5724-X85		Authorized User
DB2 for LUW			
IBM Optim Database Administrator for	5724-X85		Concurrent User
DB2 for LUW			Linux on System
			Z
IBM Optim Database Administrator for	5724-X85		Processor Value
DB2 for LUW			Unit Linux on
			System z
IBM Optim Database Administrator for	5724-X85		Authorized User
DB2 for LUW			Linux on System
			Z

Charge metrics definitions

Processor Value Unit (PVU)

Processor Value Unit (PVU) is a unit of measure by which this software product can be licensed. PVU entitlements are based on processor technology (defined within the PVU table¹ by processor vendor, brand, type, and model number). IBM continues to define a processor, for purposes of PVU-based licensing, to be each processor core on a chip. Each software product has a unique price per PVU. To determine the total cost of deploying an individual software product in a specific hardware environment, you must take the following steps:

1. For each processor core in the hardware environment on which the software product is to be licensed, determine the PVU requirement based on its processor technology per the PVU table¹.
2. Add the PVU requirements for all processor cores in the hardware environment.
3. Multiply the software product's price per PVU by the total number of PVUs required as determined in step 2 above.

PVU entitlements are specific to a software product and may not be exchanged, interchanged, or aggregated with PVU entitlements of another software product.

Unless you have deployed eligible sub-capacity products according to the sub-capacity¹ terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated² physical processor cores in the hardware environment made available to or managed by the software product. This is also referred to as *full capacity licensing*.

¹ For information regarding PVU and sub-capacity licensing, including the latest PVU table, visit http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

² Activated processor cores are physical processor cores that are available for use in a server. They include processor cores:

- That are activated (available for use) when the server is shipped by the manufacturer
- That are activated subsequently through activation codes purchased from the server manufacturer by the customer
- Whose capacity can be limited by the customer through Virtualization technologies, operating system commands, and BIOS settings

Concurrent User

Concurrent User is the unit of measure by which this program is licensed. A *Concurrent User* is a shared user access to the program within or outside of your enterprise. The program may be installed only on one computer or one server. The total number of Concurrent Users simultaneously accessing the program at any moment in time may not exceed the highest number of Concurrent Users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Concurrent User simultaneously accessing the program or any program component in any

manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

Authorized User

Authorized User is the unit of measure by which this program is licensed. An *Authorized User* is an individual (named or unnamed) within or outside of your enterprise. The program may be installed on one or more computers or servers and accessed by the number of users authorized by the Proof of Entitlement (PoE). You must have an entitlement for each Authorized User accessing the program or any program component in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

Passport Advantage program licenses

IBM Optim Database Administrator for DB2 for LUW

Part description	Part number
IBM Optim Database Administrator for DB2 for LUW	
IBM Optim DBA for DB2 LUW Per Proc Value Unit (PVU) Annual SW S&S Rnw1	E02T6LL
IBM Optim DBA for DB2 LUW Per Proc value Unit (PVU) SW S&S Reinstate 12 Mo	D591YLL
IBM Optim DBA for DB2 LUW Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D590YLL
IBM Optim DBA for DB2 fr LUW Per Authorized User Annual SW S&S Rnw1	E045ULL
IBM Optim DBA for DB2 fr LUW Per Authorized User Lic + SW S&S 12 Mo	D61RTLL
IBM Optim DBA for DB2 fr LUW Per Authorized User SW S&S Reinstate 12 Mo	D61RULL
IBM Optim DBA for DB2 fr LUW Per Concurrent User Annual SW S&S Rnw1	E045VLL
IBM Optim DBA for DB2 fr LUW Per Concurrent User Lic + SW S&S 12 Mo	D61RVLL
IBM Optim DBA for DB2 fr LUW Per Concurrent User SW S&S Reinstate 12 Mo	D61RWLL

Cross-platform product for use on System z® Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z Integrated Facility for Linux (IFL) engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

IBM Optim Database Administrator for DB2 for LUW

Part description	Part number
IBM Optim Database Administrator for DB2 for LUW	
IBM Optim DBA for DB2 LUW Per AU for Linux on Sys.z SW S&S Reinstate 12 Mo	D0AZDLL
IBM Optim DBA for DB2 LUW Per CU for Lin on Sys z Lic + SW S&S 12 Mo	D0AZ5LL
IBM Optim DBA for DB2 LUW Per Proc VU for Lin Sys z SW S&S Reinstate 12 Mo	D0AZ0LL
IBM Optim DBA for DB2 fr LUW Per AU for Linux on Sys.z Annual SW S&S Rnw1	E07R1LL
IBM Optim DBA for DB2 fr LUW Per AU for Linux on Sys.z Lic + SW S&S 12 Mo	D0AZBLL
IBM Optim DBA for DB2 fr LUW Per CU for Lin on Sys z Annual SW S&S Rnw1	E07QYLL

IBM Optim DBA for DB2 fr LUW Per Proc VU for Lin Sys z E07QVLL
 Annual SW S&S Rnw1
 IBM Optim DBA for DB2 fr LUW Per Proc VU for Lin Sys z D0AYZLL
 Lic + SW S&S 12 Mo
 IBM Optim DBA fr DB2 LUW Per Conc Us fr Lin on Sys z SW D0AZ6LL
 S&S Reinstate 12 Mo

Passport Advantage supply

Program name/description	Part number
Optim DB Admin for DB2 V2.2.2	
IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

Optim Database Administrator for DB2 V2.2.2

Entitled maintenance offerings description	Media packs description	Part number
IBM Optim Database Administrator for DB2 for LUW Authorized User	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML
IBM Optim Database Administrator for DB2 for LUW Concurrent User	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML
IBM Optim Database Administrator for DB2 for LUW Processor Value Unit	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML
IBM Optim Database Administrator for DB2 for LUW Authorized User Linux on System z	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML
IBM Optim Database Administrator for DB2 for LUW Concurrent User Linux on System z	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML
IBM Optim Database Administrator for DB2 for LUW Processor Value Unit Linux on System z	IBM Optim DB Administrator v2.2.2 for DB2 LUW Multilingual MP	BB13HML

Cross-platform products

Cross-platform product for use on System z

Order the part numbers that follow when the product is used for either the development of code that will be deployed on System z servers or when the product will be communicating or transferring data between a distributed server and a System z server. Otherwise, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement

Cross-platform product for use on System z Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z Integrated Facility for Linux (IFL) engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

IBM Optim Database Administrator for DB2 for LUW

Part description	Part number
IBM Optim Database Administrator for DB2 for LUW	
IBM Optim DBA for DB2 LUW Per AU for Linux on Sys.z SW S&S Reinstate 12 Mo	D0AZDLL
IBM Optim DBA for DB2 LUW Per CU for Lin on Sys z Lic + SW S&S 12 Mo	D0AZ5LL
IBM Optim DBA for DB2 LUW Per Proc VU for Lin Sys z SW S&S Reinstate 12 Mo	D0AZ0LL
IBM Optim DBA for DB2 fr LUW Per AU for Linux on Sys.z Annual SW S&S Rnw1	E07R1LL
IBM Optim DBA for DB2 fr LUW Per AU for Linux on Sys.z Lic + SW S&S 12 Mo	D0AZBLL
IBM Optim DBA for DB2 fr LUW Per CU for Lin on Sys z Annual SW S&S Rnw1	E07QYLL
IBM Optim DBA for DB2 fr LUW Per Proc VU for Lin Sys z Annual SW S&S Rnw1	E07QVLL
IBM Optim DBA for DB2 fr LUW Per Proc VU for Lin Sys z Lic + SW S&S 12 Mo	D0AYZLL
IBM Optim DBA fr DB2 LUW Per Conc Us fr Lin on Sys z SW S&S Reinstate 12 Mo	D0AZ6LL

On/Off CoD

IBM Optim Database Administrator for DB2 for LUW

Part description	Part number
IBM Optim DBA for DB2 fr LUW PROCESSOR-Day(s) Per Use-Day 00CoD	D57SXLL

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This software license includes Software Subscription and Support (also referred to as Software Maintenance).

License Information form number

Program name	Program number	Form number
IBM Optim DBAdm for DB2 for LUW	5724-X85	L-DNAA-7UFSGN

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

Limited warranty applies

Yes

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.

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Program technical support

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Software Maintenance is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Maintenance also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

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 programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.
- For programs acquired under any of IBM's On/Off CoD software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Authorization for use on home/portable computer

The program may be stored on the primary machine and another machine, provided that the program is not in active use on both machines at the same time. You may not copy and use this program on another computer without paying additional license fees.

Product name

IBM Optim DBAdm for DB2 for LUW No

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage Web site at

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

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Usage restriction

Yes. For additional information refer to the License Information Document that is available on the IBM Software License Agreement Web site

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

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System i Software Maintenance applies

No

Educational allowance available

Not applicable.

On/Off CoD

To be eligible for On/Off CoD pricing, customers must be enabled for temporary capacity on the corresponding hardware, and the required contract - Z125-6907,

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Prices

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner, or authorized IBM Business Partner for Software ValueNet®, if applicable. Additional information is also available at

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Reference: YE001

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Note: Shipments will begin after the planned availability date.

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