



Eliminating the barriers with IBM DB2 Warehouse V9.5

Key prerequisites	2
Description	3
Product positioning	6
Statement of direction	7
Reference information	7
Availability of national languages	8
Education support	9
Offering Information	10
Publications	10
Technical information	11
Software Services	17
Ordering information	17
Terms and conditions	24
IBM Electronic Services	26
Prices	26
Order now	27

At a glance

IBM DB2 Warehouse V9.5 is an integrated package of components and capabilities that provides a data repository and the tools needed to help create a data warehouse.

V9.5 includes three key new data warehouse capabilities; Cubing Services, Workload Management, and Unstructured Text Analysis. In addition, several products have been extensively enhanced including DB2, Alphablox, and SQL Warehouse Tool. The focus of this release is to:

- Add a DB2 based multidimensional, data analysis capability with a wide assortment of tools and applications
- Provide robust workload management enabling better control over an operational data warehouse
- Give the IT staff the ability to manage workload based on service levels
- Provide analysis capability for unstructured text data
- Improve data load and execution with parallel control flow capability
- Simplify warehouse management through the integration of its tooling framework
- Expand the usage and desirability of Alphablox by making it easier to build applications
- Extend the ability to easily capture data from remote sources

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Overview

IBM DB2® Warehouse V9.5, formally known as IBM DB2 Data Warehouse Edition, offers an integrated data warehouse solution by providing new functions to enable organizations to build robust decision systems that grow with their organizational needs. Today's leading-edge decision systems need the scalability and speed of a massively parallel system coupled with the reliability and availability of a high volume transaction system.

The combination of mission-critical operational applications and strategic reporting and analysis is driving increasingly mixed workload environments. This is being driven by requests that are more numerous and sophisticated, with rising data volumes, growing number of users, and expanding types of users: employees, customers, and suppliers.

DB2 Warehouse was designed to address these issues.

DB2 Warehouse V9.5 continues to be available in the six previous editions: Starter, Intermediate, Advanced, Base, Enterprise, and Developer's Edition.

DB2 Warehouse V9.5 is focused on three critical areas:

Simplicity

- Simplify warehouse management through the integration of its tooling framework
- Expand the usage and desirability of Alphablox by making it easier to build applications
- Extend the ability to easily capture data from remote sources

Reliability and performance

- Provide robust workload management enabling better control over an operational data warehouse
- Give the IT staff the ability to manage based on service levels

Extended insight

- Add a DB2-based multidimensional, data analysis capability with a wide assortment of tools and applications
- Provide analysis capability for unstructured text data

DB2 Warehouse V9.5 includes three key new data warehouse capabilities: Cubing Services, Workload Management, and Unstructured Text Analysis. In addition, several products have been extensively enhanced including Design Studio, Administration Console, and SQL Warehouse Tool.

In addition to these features, you will also find significant enhancements to both Alphablox and DB2, which are outlined in Software Announcement [207-255](#), dated October 16, 2007, IBM DB2 Alphablox V9.5 and Software Announcement [207-261](#), dated October 16, 2007, IBM DB2 V9.5.

For details regarding Data Warehouse Edition V9.1.2, refer to Software Announcement [207-042](#), dated March 13, 2007.

Key prerequisites

Refer to the Hardware and software requirements section.

Planned availability dates

Electronic software delivery

- October 31, 2007: All supported platforms except HP-UX
- January 25, 2008: Support for HP-UX

Physical media and documentation

- December 14, 2007: All supported platforms except HP-UX
- February 22, 2008: Support for HP-UX

Description

Mixed workload environments, along with the constantly changing needs of the different business constituents, require the next generation of data warehouses.

From self-service reporting to complex decision systems, IBM DB2 Warehouse V9.5 provides a set of integrated components that enable organizations to easily model, define, build, analyze, mine, and administer data warehouses and data marts. DB2 Warehouse V9.5 is the base for information on demand, enabling organizations to reengineer their business with enterprise-wide, factual information. It can help you maximize the value of information assets by delivering business insight to the right people at the point of decision.

Cubing Services provides a robust multidimensional analytics capability embedded in the DB2 Warehouse platform. It empowers users to ask intuitive and complex ad hoc questions about their enterprise, such as, "What is my product's profitability for this quarter across my territory?" This type of business query requires the grouping, aggregation, and calculation of information across various business dimensions, such as time, product, customer, and supplier. Cubing Services is designed to resolve just this type of multidimensional query, known as Online Analytical Processing (OLAP). Cubing Services provides industry-standard APIs to support a number of first class business intelligence reporting and analytics tools, enabling users to leverage this powerful analytic capability through the end user tool of their choice.

Built into the DB2 Warehouse V9.5 platform, Cubing Services can lead to substantial cost savings and time-to-value reduction over traditional outboard cubing technologies. Leveraging data directly from the DB2 Warehouse, Cubing Services does not require the overhead of copying data into a third-party technology. Fully integrated into the DB2 Warehouse design and administrative tooling, Cubing Services provides the ability to achieve lower design and maintenance costs over external cubing solutions.

Workload management enables you to enforce and monitor the business service levels for users across your data warehouse. It empowers users to provide explicit allocation of CPU priority for executing work, controlling "rogue" queries, and monitoring of database activity. It also enables the database execution environment to match the business priorities and allocations of resources to the active work. Workload management enables mixed mode environments with predictable results. It provides the ability to track the performance of work. It enables control of unexpected resource consumption and offers a viable, alternate workload management solution to that offered by Query Patroller and DB2 Governor.

Unstructured Text Analysis provides the ability to correlate non-relational data such as contracts, letters, and service logs (Unstructured Text Data) with relational structured data. It identifies key words and relationships, and transforms that information into structured data that can be analyzed with existing warehouse structured data using existing warehouse tools. When correlated with relational structured data, this information provides for the analysis to better understand customer interactions, voice of the customer, voice of the employee, and product opportunities.

Some additional changes

- SQL Warehousing Tool enhancements
 - DB2 Linux™, UNIX®, and Windows™ features enablement
 - Row compression: automate schedule row compression and decompression with control flows, check compression ratios
 - Range partition: automate roll-in and roll-out operations with control flows, specify range boundaries for staged tables in data flows
 - Flow enhancements
 - Java™ Database Connectivity (JDBC) batch size tuning for Data Flow remote source and targets
 - Load flat files from server
 - Staging table tuning: creating indexes, range partition, runstats
 - Order by "get first n rows"
 - Flow debugging and execution visual enhancements
 - Online and offline modes of flow designing

- Virtual columns, expressions sorting, filtering enhancements
- SQW runtime enhancements
 - Parallel execution in control flows
 - Sub process modularizations
 - Delta deployment
 - Variable enhancements, reserved system variables
 - Activity skip during execution
 - Enhanced diagnostics (user control with file write operator), logging
 - DB2 warehouse common resources repository integration
- DB2 Warehouse V9.5 enhancements
 - Design Studio base upgrade: built on DB2 Workbench V9.5 and WebSphere® Federation Server V7 Fix Pack 3
 - Meta Integration Model Bridge: included tooling for exchanging data models
 - WebSphere Federation Server Relational Wrappers packaged: connectors are now an installable option for the user
- Workload management scheme modeling and deployment
 - Reverse engineering
 - Pre-existing workload management solution from a database into Design Studio
 - Operating system services classes from AIX®
 - Configurators: guided creation of workload management solutions resource sharing
 - Enforcing limits for activities
 - Enforcing limits for concurrent activities
 - Simplified visualization and update of workload management entities
 - Tree view — hierarchical outline of workload management solution, workload management entity relationship modeling
 - Design monitoring and control using simplified rules
 - Robust deployment
 - Compare merge, delta deploy
 - Generate and, or execute Data Definition Language (deploy workload management scheme)
 - "Offline" mode: allows users to save and manually execute (say by authorized database administrator) Data Definition Language
 - "Online" mode: deploy workload management scheme from Design Studio
 - Wait for drain of database activity prior to updating workload management scheme
 - Robust error recovery — rollback to original workload management scheme on error
- Administrative Console

The Administration Console provides a Web-based administration facility for DB2 Warehouse V9.5. It is one of its key components and is your front end for DB2 Warehouse production and runtime environment.

 - Integrated Solution Console integration, for example, integration of the Administration Console into IBM's Integrated Solution Console framework allowing the use of multiple administration consoles of the DB2 Warehouse stack from a single unified console
 - Cubing Services Administration replacing Cube Views® Administration
- Design Studio

The Eclipse-based SQL data warehouse workbench makes it easier to model, design, and implement analytic structures in the warehouse, and also helps populate and maintain

them. This workbench can be extended by both you and your Business Partners with simple-to-build Eclipse-based plug-ins that enable a data warehouse control point that is tailored to your unique needs. The SQL data warehouse workbench provides for the optional IBM Rational® plug-in for logical database design and includes the plug-in for physical database design. The SQL data warehouse workbench provides a schema to a screen set of capabilities including:

- Easy-to-use SQL data warehouse workbench
- Flexible, extensible (plug-ins), easy-to-use eclipse environment
- Design
- Logical Entity Relationship design with Rational Data Architect plug-in (optionally available from Rational)
- Physical design
- Extract, load, and transform
- Data movement and transformation
- Scripting
- Cube and Materialized Query Table
- Data mining
- Debugging and testing
- A Web-based capability for monitoring and managing the warehouse
- Resources
- Data warehouse applications
- Processes
- Troubleshooting
- History and statistics
- Logs and traces

In some editions of DB2 Warehouse V9.5, the tools are included to perform predictive analytics (data mining) and Design Studio directly on the data inside the warehouse, without extracting data to specialized analytic silos.

With the analytic development environment Alphablox, you can quickly build analytic information-based applications such as dashboards and scorecards. In addition, you can use Alphablox to provide warehouse-based information to broad-based deployed operational applications that provide context-sensitive information for both fact-based decisions and root cause analysis. Alphablox can enable you to capitalize on both multidimensional analysis and data mining to provide insights that are fact based, up to the moment, and in context.

IBM Non-Data Warehouse Edition Connector (Alphablox Connectors) is a separately priced feature that provides entitlement for Alphablox connectivity to non-DB2 relational data sources or multidimensional data sources.

The following table describes the available editions of DB2 Warehouse V9.5 and identifies the characteristics of each.

Product	Starter	Inter- mediate	Advanced	Base	Enterprise	Developer
	(Linux, Windows)	(Linux, Windows)	(Linux)	(Linux, UNIX, Windows)	(Linux, UNIX, Windows)	(Linux, UNIX, Windows)
Limit	200 PVU 4 GB of instance memory	400 PVU 32 GB of instance memory	1,000 PVU 2 TB Warehouse size	No Limita- tion	No Limita- tion	Develo- per Use Only
DB2 ESE (See note below)	Included	Included	Included	Included	Included	Included
SQL	Included	Included	Included	Included	Included	Included

Warehousing Tool	Included	Included	Included	Included	Included	Included
Integrated Installer	Included	Included	Included	Included	Included	Included
Admin Console	Included	Included	Included	Included	Included	Included
Design Studio	Included	Included	Included	Included	Included	Included
Cubing Services	Included	Included	Included	Included	Included	Included
Database Partitioning	Included	Included	Included	Included	Included	Included
Performance Optimization Feature	Not available	Not available	Included	Optional	Included	Included
DB2 Storage Optimization Feature	Not available	Not available	Included	Optional	Included	Included
Alphablox	Not available	Not available	Optional	Not available	Included	Included
Intelligent Miner	Not available	Not available	Not available	Not available	Included	Included
Alphablox Connectors	Not available	Not available	Optional	Not available	Included	Included
Unstructured Text Analysis	Not available	Not available	Not available	Not available	Included	Included

Note: DB2 Enterprise Server Edition

For a detailed description of the prior release, Data Warehouse Edition V9.1.2, refer to Software Announcement [207-042](#), dated March 13, 2007.

For more on the built-in analytic and warehouse administration benefits of Data Warehouse Edition, visit

<http://www.ibm.com/software/data/db2/dwe/>

IPLA and Subscription and Support considerations

IPLA licenses can be transferred from one machine to another within, but not limited to an enterprise. You may aggregate the capacity for all the processors the product is operated on to achieve a more economic price. This will result in a single Proof of Entitlement (PoE). It is your responsibility to manage the distribution of Value Units within the limits of the entitlement of the product license.

Subscription and Support must cover the same capacity as the product license entitlement. Subscription and Support will be available in the country in which the agreement is made.

Product positioning

DB2 Warehouse V9.5 extends IBM's integrated data warehouse solution by providing new functions to enable organizations to build robust decision systems that grow with their organizational needs. DB2 Warehouse continues to be available in the six editions: Starter, Intermediate, Advanced, Base, Enterprise, and Developer Edition.

DB2 Warehouse offers a wide array of offerings that enable you to start small and grow big. From Starter Edition to Enterprise Edition, DB2 Warehouse is ideal for small to very large data marts and data warehouses that require scalability and manageability along with a complete range of analytic capabilities.

DB2 Warehouse is a set of offerings that are built on a base warehousing set of components.

They include a set of tooling and infrastructure to extend the core DB2 engine into a complete business intelligence platform with built-in data partitioning. All editions now include Database Partitioning Feature, the SQL Warehousing Tool, Install, Administration Console, and Cubing Services. All editions also include range partitioning and multidimensional clustering. This tool set enables users to design, define, populate, and execute the required activities through a single GUI. The SQL data warehouse workbench SQL Warehouse Tool provides design, data movement, scripting, query definition, and workload management definition to easily manage small to large data warehouses.

DB2 Warehouse Starter Edition is targeted at small and medium businesses with requirements for 50 GB to 350 GB of user data and 10 users to 60 users — first-time data warehouse customers who require the ability to transform data into reliable and consistent business insights in a single-node environment.

DB2 Warehouse Intermediate Edition is targeted at larger small and medium businesses and departmental customers with data warehouses that scale from 50 to 200 users and 500 GB to 1 TB of data and works with partner business intelligence (BI) applications and analytic tools in a 400 processor Value Unit (PVU) environment, in single or multiple nodes.

Starter and Intermediate Editions are now available in Linux (both Red Hat and SUSE) and Windows, providing a wide choice of options for introducing data warehouses and data marts.

DB2 Warehouse Base Edition provides medium to large-scale enterprises with a data warehouse and data mart infrastructure. It includes a basic set of tooling and infrastructure to extend the core DB2 engine into a complete BI platform with built-in data partitioning. With its SQL data warehouse workbench that enables design, data modeling, data movement, and scripting, DB2 Warehouse Base Edition can support departmental data warehouses or enterprise data warehouses where there is a need for scalability and performance.

Enterprise Edition is the flagship, all-inclusive platform for warehouse-based analytics and simplified warehouse management. It includes the full set of tooling and in-warehouse data mining, and the new Cubing Services (Design Studio), the new Workload Management, Performance and Storage Optimization, the new Unstructured Text Analysis and a custom analytic application development platform for inline analytics. The Enterprise Edition sets the mark in integrated tooling.

DB2 Warehouse Developer's Edition has the same content and functionality as the DB2 Warehouse Enterprise Edition, licensed with terms and conditions for the purposes of evaluating, demonstrating, testing, and developing application programs. The product is targeted at developers and is for non-production use.

DB2 Warehouse Advanced Edition is a controlled offering and is targeted at larger small and medium businesses, enterprises, and departmental customers with data warehouses on Linux with requirements for up to 2 TB of data that works with partner BI applications and analytic tools in a 1,000 PVU environment, in single or multiple nodes.

Statement of direction

The following functions are planned to be available in early 2008:

- Cubing Services will support multiple standards-based protocols for communicating with client applications. These will include object linking and embedding database (OLE DB) for OLAP (ODBO), which will provide direct connectivity with client applications such as Microsoft™ Excel.
- Support for LDAP in Alphablox.
- Improved security for Cubing Services.
- The operating systems AIX V6.1 and the next release of Microsoft Windows 64 bit will be supported.

All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.

Reference information

Refer to:

- Software Announcement [207-042](#), dated March 13, 2007
- Software Announcement [207-261](#), dated October 16, 2007
- Software Announcement [207-255](#), dated October 16, 2007

Availability of national languages

Product description	Language	GA date
IBM DB2 Warehouse Base Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007
IBM DB2 Warehouse Developer Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007
IBM DB2 Warehouse Enterprise Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007
IBM DB2 Warehouse Advanced Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007
IBM DB2 Warehouse Intermediate Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007
IBM DB2 Warehouse Starter Edition V9.5.0	Multilingual (French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, English U.S., Italian)	12/14/2007

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Java is a trademark of Sun Microsystems, Inc.

UNIX is a registered trademark of the Open Company in the United States and other countries.

Linux is a trademark of Linus Torvalds in the United States, other countries or both.

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/learnin/g/ites.wss/tp/en?pageType=tp_search

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

The following courses are currently available. Check with your country's Information Management Training and Education Web site or contact person to determine exactly when the new course material will be available.

Information Management Training is now offering some of our most popular courses in a new learning format, instructor-led online (ILO). With this new format, you get the benefits of being in a classroom with the convenience and cost savings of online training!

The following educational offerings are available:

Category	Course code	Course title	Course type
Introduction courses	DW03	Changing Business with Data Insight	Classroom
	3W03	Changing Business with Data Insight	Instructor Led Online
	DW11	Architecting the Data Warehouse	Classroom
Intermediate courses	DW35	DB2 (R) Data Warehouse 9 Components	Classroom
	3W35	DB2 Data Warehouse 9 Components	Instructor Led Online
	L130	DB2 Al phabl ox Essentials	Classroom
	DW65	Implementing Cube Views (R) in Your Data Warehouse	Classroom
Advanced courses	DW12	Advanced Data Warehousing Workshop: Mul ti - Di mensi onal Model ing	Classroom

Category	IBM form number	Title
Redbooks	SG24- 7418- 00	Dynamic Warehousing: Data Mining Made Easy
	SG24- 7138- 00	Dimensional Modeling: In a Business Intelligence Environment
	SG24- 7002- 00	DB2 Cube Views: A Primer
	SG24- 7274- 00	Leveraging DB2 Data Warehouse Edition for Business Intelligence
	SG24- 7104- 00	Moving Forward with that On Demand Real-time Enterprise
	SG24- 2238- 00	Data Modeling techniques for Data Warehousing
	SG24- 5174- 00	From Multiplatform Operational Data to Data Warehousing and Business Intelligence

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. Documents shipped with this product are in electronic format only.

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.

The DB2 Warehouse Installation Guide is available at:

<http://publibfp.boulder.ibm.com/epubs/pdf/c1898004.pdf>

The DB2 Warehouse V9.5 Information Center is combined with the DB2 V9.5 Information Center.

<http://publib.boulder.ibm.com/infocenter/db2luw/v9r5/index.jsp>

The following publications are available for this product:

Description	Form number
IBM DB2 Warehouse Installation Guide	GC18-9800
IBM DB2 Warehouse Tutorial	SC18-9801
IBM DB2 Warehouse Mining in the Design Studio	SC19-1259
IBM DB2 Warehouse Cubing Services User's Guide and Reference	SC19-1258
IBM DB2 Warehouse SQL Warehousing Tool User's Guide	SC19-1257
IBM DB2 Warehouse Workload Management User's Guide	SC19-1261
IBM DB2 Warehouse Visualizing Mining Results	SH12-6840
IBM DB2 Warehouse Applying Mining Models with IM Scoring	SH12-6839
IBM DB2 Warehouse Creating Mining Models with IM Modeling	SH12-6838
IBM DB2 Warehouse Data Mining with Easy Mining Procedures	SH12-6837
IBM DB2 Warehouse Creating Web Applications with MiningBox	SC18-9805
IBM Alphablox Administering Alphablox	SC19-1262
IBM Alphablox Getting Started Guide	SC19-1263
IBM Alphablox Developing with Analytics APIs	SC19-1264
IBM Alphablox Developing Reporting Applications with ReportBox	SC19-1265
IBM Alphablox Developing Analytic Applications with Blox Builder	SC19-1266
IBM Alphablox JSP Tag Libraries	SC19-1267

Technical information

Specified operating environment

Hardware and software requirements: DB2 Warehouse is a distributed product and its components are arranged into three logical groups. Typically, you install these groups on three different computers, but you can install them on a single computer. These groups are:

- **Warehousing Server:** This group includes the server components of DB2, Query Patroller, Cubing Services, and Intelligent Miner™.
- **Application Server:** This group includes WebSphere® Application Server and applications that run on WebSphere: the DB2 Warehouse Administration Console, and run-time services for the Data Server Client, the SQL Warehousing Tool, and Alphablox. It also includes Cubing Services code.
- **Client:** This group includes the Design Studio, the Data Server Client front end, the Design Studio Center for Cubing Services, Intelligent Miner, and Query Patroller Center.

Requirements for DB2 Warehouse Server

The following documents the required hardware and software for the computer on which you install DB2 Warehouse. This includes the installation requirements for both the database server and the clients for installing all of the components in the DB2 Warehouse Starter Edition, Intermediate Edition, Advanced Edition, Base Edition, Enterprise Edition, or Developer Edition.

Server operating systems

Linux™

- Red Hat Enterprise Linux (RHEL) 4 and 5 on 64-bit AMD and Intel® x86-64 systems
- SUSE Linux Enterprise Server (SLES) 9 and 10 on 64-bit AMD and Intel x86-64 systems

Windows™

- Windows 2003 Standard, Enterprise, and Datacenter Editions 32 bit and 64 bit

AIX®

- AIX V5.3 (64 bit only)

HP-UX

- HP-UX for 64-bit HP Integrity servers (Itanium-based systems)

Solaris

- Solaris 9 for UltraSPARC servers (64 bit only)
- Solaris 10 for UltraSPARC servers (64 bit only)

Client operating systems

Linux

- Red Hat Enterprise Linux (RHEL) 4 on 32-bit AMD and Intel x86 systems
- SUSE Linux Enterprise Server (SLES) 9 on 32-bit AMD and Intel x86 systems

Windows

- Windows XP Professional Edition 32 bit
- Windows Vista Business, Enterprise and Ultimate Editions 32 bit

Disk space

Temporary space for installable images of DB2 Warehouse components:

- If you download images from the IBM Web site, 8 GB of free disk space is required to store and unpackage the product components.

Temporary space for running the installation program:

- Approximately 500 MB of disk space is recommended.

Permanent space for the installed components:

- On Windows, approximately 1 GB of disk space is recommended for the data server.
- On Linux and UNIX®, approximately 1.5 GB of disk space is recommended for the installed product.

Memory

Memory for installing the product: Approximately 1 GB of memory is needed by the DB2 Warehouse installation program to install all the DB2 Warehouse Server components.

Memory for running the product:

- A minimum of 1 GB of memory is recommended to run the DB2 Warehouse Server components alone. If you run the Application Server components on the same computer, 2 GB is recommended.
- If you add more DB2 Warehouse components to the same computer, you must have more memory to run them in addition to the memory reserved for the Application Server.

Requirements for the DB2 Warehouse Application Server

You can install Application Server components only if you purchased the DB2 Warehouse Starter Edition, Intermediate Edition, Advanced Edition, Base Edition, Enterprise Edition, or Developer Edition.

The following documents the required hardware and software for the computer on which you install the Application Server for DB2 Warehouse V9.5.

For detailed information about supported hardware and software for WebSphere, visit

<http://www.ibm.com/software/webserver/appserv/doc/latest/prereq.html>

Linux

- Red Hat Enterprise Linux (RHEL) 4 and 5 on 64-bit AMD and Intel x86-64 systems
- SUSE Linux Enterprise Server (SLES) 9 and 10 on 64-bit AMD and Intel x86-64 systems

Windows

- Windows 2003 Standard, Enterprise, and Datacenter Editions 32 bit and 64 bit

AIX

- AIX V5.3 (64 bit only)

HP-UX

- HP-UX for 64-bit HP Integrity servers (Itanium-based systems)

Solaris

- Solaris 9 for UltraSPARC servers (64 bit only)
- Solaris 10 for UltraSPARC servers (64 bit only)

Supported Web browsers:

- Web browsers supported by DB2 Warehouse Administration Console: The DB2 Warehouse Administration Console was certified with Internet Explorer 6.0 with SP 1 and Internet Explorer V7.0 (Windows), and Firefox V1.5 and V2.0.
- Web browsers supported by WebSphere Application Server: The administrative console for WebSphere Application Server supports Internet Explorer 6.0 with SP 1 (Windows), Mozilla V1.7.8, and Firefox V1.5.

Disk space

Temporary space for installable images of the DB2 Warehouse components:

- If you download images from the IBM Web site, 8 GB of free disk space is required to store and unpackage the product components.
- Approximately 2.7 GB of disk space is recommended for the installation images of the Application Server components alone. If you install all of the documentation, you need another 3.2 GB.
- On AIX, you must have enough disk space for all the installable images for the entire DB2 Warehouse product, even if you are not installing all the components. This is approximately 7.5 GB.

Temporary space for running the installation program: Approximately 550 MB of disk space is recommended.

Permanent space for the installed components: Approximately 2 GB of disk space is recommended for WebSphere, the DB2 Warehouse Administration Console, and the DB2 Alphablox administration tool. If you are installing WebSphere into a 64-bit instance, you will need an additional 500 MB.

Memory

Memory for installing the product: Approximately 1 GB of memory is recommended to install the Application Server.

Memory for running the product:

- A minimum of 1 GB of memory is recommended to run the Application Server alone. If you run the DB2 Warehouse Server components on the same computer, another 2 GB of memory is recommended.
- If you add more DB2 Warehouse components to the same computer, you must have more memory to run them in addition to the memory reserved for the Application Server.

Requirements for the DB2 Warehouse client computer

You can install client components if you purchased the DB2 Warehouse Starter Edition, Intermediate Edition, Advanced Edition, Base Edition, Enterprise Edition, or Developer Edition.

The following documents the required hardware and software for the client computer for DB2 Warehouse V9.5.

Linux

- Red Hat Enterprise Linux (RHEL) 4 on 32-bit AMD and Intel x86 systems
- SUSE Linux Enterprise Server (SLES) 9 on 32-bit AMD and Intel x86 systems

Windows

- Windows XP Professional Edition 32 bit
- Windows Vista Business, Enterprise, and Ultimate Editions 32 bit

Disk space

Temporary space for installable images of the DB2 Warehouse components:

- If you download images from the IBM Web site, 8 GB of free disk space is required to store and unpack the product components.
- Approximately 1.5 GB of temporary disk space is recommended to store the installation images. If you install all of the documentation, you need another 3.2 GB.

Temporary space for running the installation program: Approximately 500 MB of disk space is recommended to run the installation program.

Permanent space for the installed components: Approximately 2 GB of disk space is recommended for the installed product.

Memory

Memory for installing the product: Approximately 1 GB of memory is recommended to install the client applications.

Memory for running the product: Approximately 1 GB of memory is recommended to run the client applications.

Planning information

Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Maintenance 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 Maintenance with each program license acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available.

Packaging: Notes:

- The Warehouse Server DVDs include DB2 Enterprise Server Edition, applicable DB2 Feature entitlements, Warehouse components, and WebSphere Application Server.
- The Warehouse Client DVDs include IBM Data Server Client, Warehouse components, Information Center, Samples, and Tutorial.

DB2 Warehouse Starter Edition V9.5 — Authorized user and CPU options

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Starter Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD
- IBM DB2 Warehouse Server for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Server for Windows on AMD64 and Intel EM64T systems (x64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Client for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM WebSphere Application Server Toolkit for Linux on 32-bit AMD and Intel systems (x86) CD
- IBM WebSphere Application Server Toolkit for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM Tivoli® System Automation Multiplatforms for Windows on 32-bit AMD and Intel systems (x86) CD

DB2 Warehouse Intermediate Edition V9.5 — Authorized user and CPU options

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Intermediate Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD

- IBM DB2 Warehouse Server for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Server for Windows on AMD64 and Intel EM64T systems (x64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Client for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM WebSphere Application Server Toolkit for Linux on 32-bit AMD and Intel systems (x86) CD
- IBM WebSphere Application Server Toolkit for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM Tivoli System Automation Multiplatforms for Windows on 32-bit AMD and Intel systems (x86) CD

DB2 Warehouse Advanced Edition V9.5

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Advanced Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM WebSphere Application Server Toolkit for Linux on 32-bit AMD and Intel systems (x86) CD
- IBM DB2 Performance Expert for Multiplatforms Quick Start CD
- IBM DB2 Performance Expert for Multiplatforms (Windows on 32-bit AMD and Intel systems (x86), Linux on 32-bit AMD and Intel systems (x86), Linux on AMD64 and Intel EM64T systems (x64)) CD
- IBM DB2 Performance Expert for Multiplatforms (Linux on System z™, Linux on POWER™ (System i™ and System p™) systems, AIX, HP-UX on HP Integrity Itanium-based systems, Solaris on UltraSPARC systems) CD

DB2 Warehouse Base Edition V9.5

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Base Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD
- IBM DB2 Warehouse Server for AIX DVD
- IBM DB2 Warehouse Server for HP-UX on HP Integrity Itanium-based systems DVD
- IBM DB2 Warehouse Server for Solaris on UltraSPARC systems DVD
- IBM DB2 Warehouse Server for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Server for Windows on AMD64 and Intel EM64T systems (x64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Client for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM WebSphere Application Server Toolkit for Linux on 32-bit AMD and Intel systems (x86) CD
- IBM WebSphere Application Server Toolkit for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM Tivoli System Automation Multiplatforms for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM DB2 Enterprise Server Edition for Linux on POWER (System i and System p) systems DVD
- IBM DB2 Enterprise Server Edition for Linux on System z DVD

DB2 Warehouse Enterprise Edition V9.5

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Enterprise Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD
- IBM DB2 Warehouse Server for AIX DVD
- IBM DB2 Warehouse Server for HP-UX on HP Integrity Itanium-based systems DVD
- IBM DB2 Warehouse Server for Solaris on UltraSPARC systems DVD
- IBM DB2 Warehouse Server for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Server for Windows on AMD64 and Intel EM64T systems (x64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Client for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM WebSphere Application Server Toolkit for Linux on 32-bit AMD and Intel systems (x86) CD
- IBM WebSphere Application Server Toolkit for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM Tivoli System Automation Multiplatforms for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM DB2 Performance Expert for Multiplatforms Quick Start CD
- IBM DB2 Performance Expert for Multiplatforms (Windows on 32-bit AMD and Intel systems (x86), Linux on 32-bit AMD and Intel systems (x86), Linux on AMD64 and Intel EM64T systems (x64)) CD
- IBM DB2 Performance Expert for Multiplatforms (Linux on System z, Linux on POWER (System i and System p) systems, AIX, HP-UX on HP Integrity Itanium-based systems, Solaris on UltraSPARC systems) CD

DB2 Warehouse Developer Edition V9.5

- IBM DB2 Warehouse Quick Start CD
- IBM DB2 Warehouse Developer Edition — Activation CD
- IBM DB2 Warehouse Server for Linux on AMD64 and Intel EM64T systems (x86-64) DVD
- IBM DB2 Warehouse Server for AIX DVD
- IBM DB2 Warehouse Server for HP-UX on HP Integrity Itanium-based systems DVD
- IBM DB2 Warehouse Server for Solaris on UltraSPARC systems DVD
- IBM DB2 Warehouse Server for Windows on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Server for Windows on AMD64 and Intel EM64T systems (x64) DVD
- IBM DB2 Warehouse Client for Linux on 32-bit AMD and Intel systems (x86) DVD
- IBM DB2 Warehouse Client for Windows on 32-bit AMD and Intel Systems (x86) DVD
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- IBM WebSphere Application Server Toolkit for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM Tivoli System Automation Multiplatforms for Windows on 32-bit AMD and Intel systems (x86) CD
- IBM DB2 Performance Expert for Multiplatforms Quick Start CD
- IBM DB2 Performance Expert for Multiplatforms (Windows on 32-bit AMD and Intel systems (x86), Linux on 32-bit AMD and Intel systems (x86), Linux on AMD64 and Intel EM64T systems (x64)) CD
- IBM DB2 Performance Expert for Multiplatforms (Linux on System z, Linux on POWER (System i and System p) systems, AIX, HP-UX on HP Integrity Itanium-based systems, Solaris on UltraSPARC systems) CD

Security, auditability, and control

The IBM products listed in this announcement use the security and auditability features of the host 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 unmatched portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support any critical business need.

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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 Alphablox Add-in	IBM Database Management	DB2
IBM DB2 Warehouse Advanced Edition	IBM Database Management	DB2
IBM DB2 Warehouse Developer Edition	IBM Database Management	DB2
IBM DB2 Warehouse Base Edition	IBM Database Management	DB2
IBM DB2 Warehouse Enterprise Edition	IBM Database Management	DB2
IBM DB2 Warehouse Intermediate Edition Value Unit	IBM Database Management	DB2
IBM DB2 Warehouse Starter Edition Value Unit	IBM Database Management	DB2
IBM Non-DWE (Data Warehouse Edition) Connector	IBM Database Management	DB2
Program name	PID number	Charge unit description
IBM Alphablox Add-in	5724-E34	Value Unit
IBM DB2 Warehouse Advanced Edition	5724-E34	Value Unit
IBM DB2 Warehouse Base Edition	5724-E34	Value Unit
IBM DB2 Warehouse Developer Edition	5724-E34	Authorized Users
IBM DB2 Warehouse Enterprise Edition	5724-E34	SubCapacity Value Unit
IBM DB2 Warehouse Enterprise Edition	5724-E34	Value Unit
IBM DB2 Warehouse Enterprise Edition	5724-E34	Processor Day
IBM DB2 Warehouse Intermediate Edition Authorized Users	5724-E34	Authorized Users

IBM DB2 Warehouse Intermediate Edition Value Unit	5724-E34	Value Unit
IBM DB2 Warehouse Starter Edition Value Unit	5724-E34	Value Unit
IBM DB2 Warehouse Starter Edition Authorized Users	5724-E34	Authorized Users
IBM Non-DWE (Data Warehouse Edition) Connector	5724-E34	Processor Day
IBM Non-DWE (Data Warehouse Edition) Connector	5724-E34	Value Unit

Charge metrics definitions

Value Unit

A Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurement is a processor core. However, for select programs, there are other designated measurements such as users, client devices, and messages. The number of Value Unit entitlements required for a program depends on how the program is deployed in your environment and must be obtained from a Value Unit table. You must obtain a PoE for the calculated number of Value Unit entitlements for your implementation. The Value Unit entitlements are specific to a program and may not be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

Processor (Value Unit)

A processor core is a functional unit within a computing device that interprets and executes instructions. A processor core consists of at least an instruction control unit and one or more arithmetic or logic unit. With multicore technology, each core is considered a processor. Not all processor cores require the same number of Value Unit entitlements. To calculate the number of Value Unit entitlements required, refer to the Value Unit table on the following Web site

http://www-142.ibm.com/software/sw-lotus/services/cwepassport.nsf/wdocs/pvu_table_for_customers

With full capacity licensing, a PoE must be acquired for the appropriate number of Value Units based on all activated processor cores available for use on the server.

Sub-capacity processor (Value Unit)

For programs eligible for sub-capacity licensing, a PoE must be acquired for the appropriate number of value units based on all activated processor cores available for use in each partition (utilizing eligible partitioning technologies) where the program runs. Refer to the International Passport Advantage Agreement Attachment for sub-capacity terms or the program's license information to determine applicable sub-capacity terms.

Authorized user

An authorized user is one and only one individual (named or unnamed) within or outside your enterprise. A PoE must be obtained for each individual user accessing the program in any manner. A program licensed under an authorized user PoE may be installed on a single computer or server, and accessed by multiple users, provided that a PoE has been obtained for each individual user accessing the program either directly or indirectly (via a multiplexing program, device, or application server) through any means on behalf of the user.

Passport Advantage program licenses

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Enterprise Edition DB2 Warehouse Enterprise Edition Value Unit Lic and SW Maint 12 Mo	D57UBLL
DB2 Warehouse Enterprise Edition Value Unit Annual SW Maint Rnwl	E02GVLL
DB2 Warehouse Enterprise Edition Value Unit SW Maint Reinstate 12 Mo	D57UCLL
DB2 Warehouse Enterprise Ed VU fr DB2 Warehouse Adv VU Trdup Lic and SW Maint 12 Mo	D57UDLL
DB2 Warehouse Enterprise Edition Value Unit	D57UELL

fr DB2 ESE VU Trdup Lic and SW Maint 12 Mo

IBM DB2 Warehouse

Part description	Part number
IBM Non-DWE (Data Warehouse Edition) Connector	
Non DWE Connector Value Unit Lic and SW Maint 12 Mo	D55T2LL
Non DWE Connector Value Unit Annual SW Maint Rnwl	E024ELL
Non DWE Connector Value Unit SW Maint Reinstate 12 Mo	D55T3LL

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Base Edition	
DB2 Warehouse Base Edition Value Unit Lic and SW Maint 12 Mo	D57U9LL
DB2 Warehouse Base Edition Value Unit Annual SW Maint Rnwl	E02GULL
DB2 Warehouse Base Edition Value Unit SW Maint Reinstate 12 Mo	D57UALL
DB2 Warehouse Base Ed VU fr DB2 ESE VU Trdup Lic and SW Maint 12 Mo	D60JULL
DB2 Warehouse Base Ed Value Unit fr DB2 Int VU Trdup Lic and SW Maint 12 Mo	D60JVLL

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Developer Edition	
DB2 Warehouse Developer Edition Authorized Users Lic and SW Maint 12 Mo	D59QFLL
DB2 Warehouse Developer Edition Authorized Users Annual SW Maint Rnwl	E033KLL
DB2 Warehouse Developer Edition Authorized Users SW Maint Reinstate 12 Mo	D59QILL

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Starter Edition	
DB2 Warehouse Starter Edition Authorized Users Lic and SW Maint 12 Mo	D601YLL
DB2 Warehouse Starter Edition Authorized Users Annual SW Maint Rnwl	E037KLL
DB2 Warehouse Starter Edition Authorized Users SW Maint Reinstate 12 Mo	D601ZLL
DB2 Warehouse Starter Edition Value Unit Lic and SW Maint 12 Mo	D601WLL
DB2 Warehouse Starter Edition Value Unit Annual SW Maint Rnwl	E037JLL
DB2 Warehouse Starter Edition Value Unit SW Maint Reinstate 12 Mo	D601XLL

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Intermediate Edition	
DB2 Warehouse Intermediate Edition Authorized Users Lic and SW Maint 12 Mo	D601QLL
DB2 Warehouse Intermediate Edition Authorized Users Annual SW Maint Rnwl	E037ELL
DB2 Warehouse Intermediate Edition Authorized Users SW Maint Reinstate 12 Mo	D601RLL
DB2 Warehouse Intermediate Edition	D601NLL

Value Unit Lic and SW Maint 12 Mo DB2 Warehouse Intermediate Edition	E037DLL
Value Unit Annual SW Maint Rnwl DB2 Warehouse Intermediate Edition	D601PLL
Value Unit SW Maint Reinstate 12 Mo DB2 Warehouse Intermediate Ed VU fr DB2 Warehouse Starter Ed VU Trdup Lic and SW Maint 12 Mo	D60HALL
DB2 Warehouse Intermediate Ed VU fr DB2 Workgroup VU Trdup Lic and SW Maint 12 Mo	D60H9LL

IBM DB2 Warehouse

Part description	Part number
IBM DB2 Warehouse Advanced Edition DB2 Warehouse Advanced Edition	D6023LL
Value Unit Lic and SW Maint 12 Mo DB2 Warehouse Advanced Edition	E037NLL
Value Unit Annual SW Maint Rnwl DB2 Warehouse Advanced Edition Value Unit SW Maint Reinstate 12 Mo	D6024LL
DB2 Warehouse Advanced Edition VUfr DB2 Warehouse Intermediate VU Trdup LIC and SW Maint 12 Mo	D60JGLL

IBM DB2 Warehouse

Part description	Part number
IBM Alphablox Add-in Alphablox Add-in Value Unit Lic and SW Maint 12 Mo	D6020LL
Alphablox Add-in Value Unit Annual SW Maint Rnwl	E037LLL
Alphablox Add-in Value Unit SW Main Reinstate 12 Mo	D6021LL

Passport Advantage supply

Program name/description	Part number
DB2 DW Advanced Edition V9.5.0 DB2 Warehouse Advanced Edition	BB006ML
DB2 DW Base Edition V9.5.0 DB2 Warehouse Base Edition Windows, AIX, Linux, Solaris, HP-UX	BB0W1ML
DB2 DW Developer Edition V9.5.0 DB2 Warehouse Developer Edition	BB0W2ML
DB2 DW Enterprise Edition V9.5.0 DB2 Warehouse Enterprise Edition Windows, AIX, Linux, Solaris, HP-UX	BB0W0ML
DB2 DW Intermediate Edition V9.5.0 DB2 Warehouse Intermediate Edition	BB005ML
DB2 DW Starter Edition V9.5.0 DB2 Warehouse Starter Edition	BB004ML

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.

IBM DB2 Warehouse Enterprise Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Warehouse Enterprise Edition Value Unit	IBM DB2 Warehouse Enterprise Edition, (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux,	BB0W0ML

Solaris, HP-UX DVD -- ISO
9660 Standard

IBM DB2 Warehouse Enterprise Edition Value Unit SubCapacity	IBM DB2 Warehouse Enterprise Edition, (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BBOWOML
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Non-DWE Connector Value Unit	IBM DB2 Warehouse Enterprise Edition, (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BBOWOML
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IBM DB2 Warehouse Intermediate Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Warehouse Intermediate Edition Authorized User	IBM DB2 Warehouse Intermediate Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BB005ML

IBM DB2 Warehouse Intermediate Edition Value Unit	IBM DB2 Warehouse Intermediate Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BB005ML
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IBM DB2 Starter Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Starter Edition Authorized User	IBM DB2 Starter Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BB004ML

IBM DB2 Starter Edition Value Unit	IBM DB2 Starter Edition (Multilingual English,	BB004ML
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French, Korean, Chinese --
Simplified, Spanish,
Portuguese-Brazilian,
German, Japanese, Chinese
-- Traditional, Italian)
Windows, AIX, Linux,
Solaris, HP-UX, DVD -- ISO
9660 Standard

IBM DB2 Developer Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Warehouse Developer Edition Authorized User	IBM DB2 Developer Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BBOW2ML

IBM DB2 Advanced Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Advanced Edition Value Unit	IBM DB2 Advanced Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BB006ML

IBM DB2 Warehouse Base Edition V9.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Warehouse Base Edition Value Unit	IBM DB2 Warehouse Base Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BBOW1ML
Non-DWE Connector Value Unit	IBM DB2 Warehouse Base Edition (Multilingual English, French, Korean, Chinese -- Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese -- Traditional, Italian) Windows, AIX, Linux, Solaris, HP-UX, DVD -- ISO 9660 Standard	BBOW1ML

Sub-capacity

IBM DB2 Warehouse Enterprise Edition

Part

number	Part description
E02GWLL	DB2 Data Warehouse Enterprise Ed SubCap Value Unit Annual SW Maint Rnwl
D57UFLl	DB2 Data Warehouse Enterprise Ed SubCap Value Unit Lic and SW Maint 12 Mo
D57UGLL	DB2 Data Warehouse Enterprise Ed SubCap Value Unit SW Maint Reinstate 12 Mo

Sub-capacity for selected middleware products

Sub-capacity licensing on a per processor or per Value Unit basis is available for selected middleware products. To offer sub-capacity licensing, IBM software products implement IBM Tivoli License Compliance Manager within their offerings so that you can monitor and report quarterly to IBM on the use of the programs on a continuous basis.

More information can be found on the Passport Advantage Web site

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

Eligibility requirements for sub-capacity licensing

To be eligible for sub-capacity licensing terms on this product, you must agree to install and configure IBM Tivoli License Manager for IBM Software, in accordance with the IBM Tivoli License Manager publications, and to enable the collection of program use data on all eligible machines subject to sub capacity terms.

For those machines running programs with sub-capacity licensing terms, you must use IBM Tivoli License Manager for IBM Software to monitor program use and submit to IBM an IBM Use Report each calendar quarter. Multiple copies of IBM Tivoli License Manager for IBM Software or IBM Tivoli License Manager are not required. You can use more copies if you need them to support your operational environment, but only one copy is required to monitor all your sub capacity licensed products.

Additionally, if this is the first product you have licensed under sub-capacity terms, you must agree to the terms of an attachment to your Passport Advantage or Passport Advantage Express contract and submit a new Passport Advantage enrollment form. First-time sub-capacity clients also have an opportunity to ensure a primary business contact is established for their contracts.

For more information on required and entitled license capacity, license requirements, and reporting, refer to Software Announcement [205-093](#), dated April 19, 2005.

If you order (this product) under sub-capacity terms, IBM Tivoli License Manager for IBM Software will be made available to you if you do not already have one. You must install and configure this tool for your sub-capacity products. Alternately, you can use Tivoli License Manager. Once the license manager software is installed, you will be required to register online. (IBM may need to contact you in order to finalize the registration process.) You must monitor program use on a continuous basis with an IBM Tivoli License Manager for IBM Software and submit IBM Use Reports to IBM on a calendar quarterly basis.

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<http://www.elink.IBMLink.ibm.com/public/applications/publications/cgibin/pbi.cgi?>

Publication	Form
Planning, Installation, and Configuration	SC32-1431
Administration	SC32-1430
Problem Determination	SC32-9102
Data Dictionary	SC32-1432
Release Notes	SC32-1429

For IBM Tivoli License Manager configuration guidance and instructions for specific products (including this product) acquired with sub capacity terms, refer to

<http://www.lotus.com/sub-capacity>

The Web site will give you information about how to set up the product for detection by IBM Tivoli License Manager, any required maintenance, and any required steps that are unique to this product.

On/Off Capacity on Demand (CoD)

IBM DB2 Warehouse Enterprise Edition

Part description	Part number
IBM DB2 Warehouse Enterprise Edition Proc day Per Use-Day, 00CoD Temp Use Charge	D53ZLLL

IBM Non-DWE (Data Warehouse Edition) Connector

Part description	Part number
Non-DWE Connector Proc day Per Use-Day, 00CoD Temp Use Charge	D54XCLLL

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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 PoE govern your use of the program. PoEs are required for all authorized use.

Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

License information form numbers

Program name	Program number	Form number
DB2 Warehouse Starter Edition	5724-E34	L-SVAY-74DSHH
DB2 Warehouse Intermediate Edition	5724-E34	L-SVAY-74DSHK
DB2 Warehouse Advanced Edition	5724-E34	L-SVAY-74DSHL
DB2 Warehouse Base Edition	5724-E34	L-SVAY-74DSHM
DB2 Warehouse Enterprise Edition	5724-E34	L-SVAY-74DSHP
DB2 Warehouse Developer Edition	5724-E34	L-SVAY-74DSHQ

On or near the planned availability date, the License Information will be available for review on the IBM Software License Agreement Web site

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

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

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

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

Other terms

Volume orders (IVO): No

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, Amendment for iSeries™ and pSeries® Temporary Capacity On Demand — Software — must be signed prior to use.

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The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

Prices

Passport Advantage

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<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller>

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