



IBM DB2 Connect V9.1 for Linux, UNIX, and Windows shortens development time and reduces cost

Overview

DB2 Connect™ V9.1 for Linux™, UNIX®, and Windows™ delivers new features that address the needs of today's businesses, whether those needs are integrating business data across your organization, reducing IT costs, focusing limited IT resources on creating business value, or providing a secure and resilient information management system for your company's valuable information assets.

DB2 Connect V9.1 is designed to leverage your enterprise information — no matter where it is stored. For those enterprises that have made DB2® on IBM eServer® zSeries® and iSeries™ servers the cornerstone of their On Demand Business solution, DB2 Connect provides application enablement and a robust, highly scalable communications infrastructure for connecting Web, Windows, UNIX, Linux, and mobile applications to data.

DB2 Connect is the industry-leading solution integrating zSeries, iSeries, and other enterprise data with client/server, Web, mobile, and service-oriented architecture applications. The new release of DB2 Connect delivers significant feature enhancements to improve programmer productivity, provide a more robust infrastructure, and enable the deployment of DB2 technology.

Simply application development

An enhanced set of application development tools simplifies database application development and eases application deployment, including a new Developer Workbench and enhanced functionality for Visual Studio 2005. DB2 V9.1 also introduces a unified debugger, rapid application deployment with a lightweight

runtime client, and many other features that allow you to save time and develop applications that work across different DB2 data servers. Also, significant enhancements to the IBM DB2 Driver for JDBC and SQLJ have been made that keep developers on the leading edge of Java™ technology. Improvements to DB2 Connect V9.1 federation capabilities simplify the programming challenge by adding support for two-phase commit capabilities for multi-vendor data sources.

Reduce administration costs with advances in performance, manageability, and installation

IBM continues to simplify deployment of DB2 Connect. With new features such as nonadministrator installation on Windows, response file installation enhancements, and support for coexistence of multiple copies of the DB2 database system, DB2 Connect V9.1 allows your IT staff to spend more time supporting your business needs instead of installing and deploying database systems.

Autonomic features such as adaptive self-tuning memory allocation and new Object Maintenance Policy wizards for DB2 UDB for z/OS® reduce the time required to administer and tune your database system.

Key prerequisites

Refer to the **Hardware requirements** and **Software requirements** sections.

Planned availability dates

- July 28, 2006 (electronic software delivery)
- September 22, 2006 (media and documentation)

At a glance

DB2 Connect V9.1 is the next-generation hybrid data server with optimized management of both XML and relational data.

Shortens development time lines

- Eclipse based developer workbench
- Tight integration with leading application infrastructures like PHP, Java, and .NET, including .NET Framework 2.0
- Enhanced support for federated data solutions

Reduces cost

- Adaptive, self-tuning memory allocation
- Object Maintenance Policy wizards for DB2 UDB for z/OS

For ordering, contact:

Your IBM representative or the Americas Call Centers at

800-IBM-CALL

Reference: YE001

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Description

DB2 Connect provides fast and robust connectivity to IBM mainframe databases for On Demand Business and other applications running under UNIX and Windows operating systems. DB2 Connect has several connection solutions, including DB2 Connect Personal Edition, and a number of DB2 Connect Server products. A DB2 Connect server is a connectivity server that concentrates and manages connections from multiple desktop clients and Web applications to DB2 servers running on host or iSeries systems.

IBM's DB2 for iSeries, DB2 UDB for OS/390®, DB2 UDB for z/OS, and DB2 for VSE and VM databases continue to be the systems of choice for managing most critical data for the world's largest organizations. While these host and iSeries databases manage the data, there is a great demand to integrate this data with applications running on Linux, UNIX, and Windows workstations.

DB2 Connect Servers enable local and remote client applications to create, update, control, and manage DB2 databases and host systems using:

- Structured Query Language (SQL)
- DB2 APIs
- ODBC (Open Database Connectivity)
- JDBC (Java Database Connectivity)
- SQLJ (embedded SQL for Java)
- DB2 CLI (call level interface)

Application development enhancements

DB2 Connect V9.1 provides numerous enhancements that simplify database application development. Enhancements include a new Developer Workbench, enhanced functionality for Visual Studio 2005 and DB2 .NET Data Provider, and new application samples. DB2 Connect V9.1 also introduces a unified debugger and many other features that allow you to reduce development time.

BINARY, VARBINARY, and DECFLOAT data type support in .NET and CLI client applications

The data types BINARY and VARBINARY have been added to DB2 for z/OS V9, and support for the types has been added to DB2 CLI and DB2 .NET Data Provider.

- DB2 CLI support of BINARY and VARBINARY
- DB2 .NET Data Provider support of BINARY and VARBINARY
- DB2 CLI support of DECFLOAT
- DB2 .NET Data Provider support of DECFLOAT

Client support for trusted connections to DB2 for z/OS databases

DB2 CLI and DB2 Driver for JDBC and SQLJ now support making trusted connections to DB2 data servers that support trusted contexts. If the database server is configured to allow it to do so, a client can create trusted connections using ODBC, XA, or new Java methods. The user name associated with the trusted connection can then be switched without the database server having to fully authenticate the new name.

Trusted contexts are currently supported only on DB2 for z/OS.

Command-line processor (CLP) 64 KB limit for SQL statements removed

A CLP limit of 64 KB for SQL statements and for CLP commands that contain SQL statement components has now been removed. In previous releases, SQL statements generated by other DB2 tools for use within SQL procedures or routines were not valid for use within the CLP when they exceeded the old CLP 64 KB limit. The new CLP limit of approximately 2 MB is comparable with the limits on the other DB2 tools.

DB2 .NET Data Provider enhancements and support for the .NET Framework 2.0

The DB2 .NET Data Provider now supports the Microsoft™ .NET Framework V2.0 and has additional new features to help you develop more powerful .NET applications.

- Support for the System.Data.Common base classes
- Scrollable and updatable result sets
- Data paging capability
- Bulk data copy
- Update batch size

Developer Workbench replaces the Development Center

The Development Center from DB2 UDB for Linux, UNIX, and Windows V8 is replaced in DB2 V9.1 by an Eclipse based tool called Developer Workbench. The Developer Workbench includes functionality comparable to the Development Center. In addition to existing Development Center functionality, new features include:

- New Developer Workbench information center and tutorials
- Ability to migrate existing Development Center projects
- Ability to compare routines
- Ability to deploy routines to unlike servers
- Binary deploy
- Ability to launch Visual Explain
- Ability to develop SQLJ applications
- Team support
- Multiple JAR support
- SQL procedure versioning for z/OS
- Package variation support for SQL and SQLJ Java stored procedures
- Table data editing
- Data extract and load
- Stored procedure debugger
- XML support

IBM Database Add-Ins for Microsoft Visual Studio 2005 enhancements

The IBM Database Add-Ins for Microsoft Visual Studio 2005 provides tools for rapid application development, database schema development, and debugging.

- Database activity is now performed in the Microsoft Server Explorer. The IBM Server Explorer has been removed from the IBM Database Add-Ins for Microsoft Visual Studio 2005 but still remains for IBM Database Add-Ins for Microsoft Visual Studio 2003.
- You can build Windows applications and Web sites for the DB2 Connect server without writing any code.

- Support is included to generate and deploy IBM Web Services on DB2 Embedded Application Server and for Microsoft Web Services using Microsoft Web service projects. Web services can be created and deployed without writing a single line of code. Support includes the ability to deploy and alter Web services, test-run Web services, and browse previously deployed Web services. All DB2 data server products are supported: DB2 Database for Linux, UNIX, and Windows; DB2 Universal Database® for iSeries; and DB2 Universal Database for z/OS.
- New IBM designers provide an easier way for you to work with database objects.
- You can run scripts before and after you run procedures and functions, and you can save input or in-out parameter values across Visual Studio sessions. You can commit or roll back transactions.
- A new user interface gives you the ability to view single or multiple result sets for a procedure. Where possible, you can discover result sets automatically, and you can manually define or customize a result set definition.
- You can seamlessly debug SQL procedures on Linux, UNIX, and Windows or zSeries servers.

Java routine class loader enhancements

Application developers who develop Java routines can now utilize multiple Java classes that have the same name by including them in separate JAR files and by explicitly identifying them in routine create statements.

The DB2 Driver for JDBC and SQLJ contains the following major enhancements for DB2 Connect:

- Compliance with the JDBC 3.0 specification
- Support for the new DB2 for z/OS BINARY, VARBINARY, BIGINT, and DECFLOAT column data types
- Support for the new XML column data type
- New DB2-only methods to support trusted connections
- Support for progressive streaming for retrieval of LOBs and XML data
- Support for heterogeneous pooling and connection reuse
- SSL support
- Tolerable errors
- sendDataAsIs property

Client and connectivity enhancements

DB2 Connect V9.1 client and connectivity enhancements include new features such as IPv6 communication protocol support, new support for running ODBC and CLI applications without a DB2 client, and connection timeout support. These enhancements and others ensure that you have flexible and effective methods of accessing data from client systems and applications.

Connection timeout support for database applications

You can now set a connection timeout value for DB2 database connections in .NET, CLI, ODBC, and OLE DB applications. Setting a connection timeout is useful in case the database server is inaccessible. In this situation, it can take a long time for connection requests to fail and return. Setting a connection timeout enables you to set a limit to the amount of time your applications should wait for a connection.

A single client for application development and administration

Prior to Version 9, there were two similar clients, the DB2 Application Development Client and the DB2 Administration Client. The Version 9 DB2 Client merges these two clients.

Enhancements in this version include:

- On Windows, the DB2 client can also be installed from a server installation image (or CD). This benefits customers who want to use the same CD to install the DB2 server on a server computer and the DB2 client on workstations used by administrators or developers. It is no longer necessary to use the separate client CD to install only the DB2 client.
- On Windows, the server fix pack now contains the fix packs for both the server and the DB2 client. If you have both a DB2 client and server installed on the same computer, you need to download and apply a single fix pack image to upgrade both the server and client. If you have only a DB2 client on a computer, client fix pack images are still available.

Enhancements to other parts of the product also benefit the DB2 client.

- Multiple copies of a client can be installed on the same computer. These copies can be the same or different versions; for example, V8.2, V9.1.100, and V9.1.300.
- When migrating a client from Version 8, you now have the choice of replacing the existing client or adding the client while keeping the existing version.

DB2 Runtime Client enhancements (Windows)

Prior to Version 9, there were two similar clients on Windows, the DB2 Runtime Client and the DB2 Run-Time Client Lite. The Version 9 Runtime Client on Windows has evolved from the Version 8 Run-Time Client Lite.

The following enhancements to DB2 Runtime Client are included in this release:

- It is licensed so it can be redistributed freely with applications that are sold to other companies.
- It is available in a 64-bit version.
- It can coexist with other DB2 products on the same computer.

Enhancements to other parts of the product also benefit the DB2 Runtime Client:

- Multiple copies of a client can be installed on the same computer. These copies can be the same or different versions; for example, V8.2, V9.1.100, and V9.1.300.
- Version 9 introduces a new application driver for ODBC or CLI applications. Some customers who used a runtime client in the past may prefer this option as it provides an even smaller application deployment footprint.

New support for running ODBC and CLI applications without a DB2 client

The DB2 Driver for ODBC and CLI can now be installed and used to run ODBC and CLI applications without a DB2 client. When the driver is installed without a DB2 client, it still provides runtime support for ODBC and CLI, and it now also provides connectivity for ODBC and CLI applications.

Various install options are available for the IBM DB2 Driver for ODBC and CLI:

- You can install the driver on a machine that already has a DB2 client installed.
- You can have multiple installations of this driver on a single machine.

Being able to install the DB2 Driver for ODBC and CLI without a DB2 client makes deploying database applications easier:

- You can include the driver in your database application installation package.
- Distribution size, installation footprint, and memory footprint are all reduced.

Federated enhancements

A federated system is a special type of distributed database management system. With federation, you can send distributed requests to multiple data sources within a single SQL statement.

Plug-in for retrieving user mappings from an external repository or LDAP server

A federated server uses a user mapping to enable a connection to many data sources. By default, the user mappings are stored in the DB2 database, which has certain limitations. A sample plug-in is now provided that allows you to retrieve the user mappings from an external repository; for example, a Lightweight Directory Access Protocol (LDAP) server. User mappings that are stored in an LDAP server offer the following benefits:

- Lower maintenance
- Increased security

Statement-level isolation

For statements that use nicknames, the isolation-clause only statement has an effect on nicknames that access the DB2 data sources.

For all other uses of nicknames to relational data sources, the federated server maps its current isolation level to a corresponding isolation level at the data source, at each connection to the data source. After a connection is made to a data source, the isolation level for duration of the connection cannot be changed.

Two-phase commit for multi-vendor data sources

Federated two-phase commit is now available for the supported data sources of the WebSphere® Information Integrator federated server. Two-phase commit combines updates to multiple sources in one transaction so that all sources involved are updated or none are updated. This strategy ensures that the sources remain synchronized.

DB2 Connect users may be interested in two-phase commit capabilities for multi-vendor data sources offered by the WebSphere Information Integrator federated server.

Installation, migration, and fix pack considerations

With new features and enhancements such as coexistence of multiple DB2 Connect versions and fix packs on Windows, manual installation enhancements, and support for concurrent copies of DB2 Connect servers on Linux and UNIX, DB2 Connect V9.1 allows your IT staff to spend more time supporting business goals instead of installing and configuring database systems.

DB2 Connect can be installed using a nonadministrator user ID (Windows)

Anyone who does not want to use an administrator ID when installing DB2 Connect on Windows, now has

another option. You can use the Windows operating system elevated privileges feature to perform the installation with a Windows Power User ID or a Restricted User ID.

Installation and coexistence of multiple DB2 Connect versions and fix packs

DB2 V9 on Windows introduces the ability to install multiple DB2 Connect Servers and client copies on the same system. Each DB2 Connect installation copy can either be at the same level or at a different level of DB2 Connect. On Linux and UNIX, this support does not require the use of an alternate fix pack.

When installing DB2 Connect on a machine that already has a DB2 product copy installed, you can install a new DB2 copy or work with and update an existing DB2 copy.

Manageability enhancements

In this section, the following products are referred to collectively as DB2 UDB for z/OS:

- DB2 UDB for z/OS, V8
- DB2 UDB for OS/390 and z/OS, V7

Automated evaluation of object maintenance policies by the DB2 UDB for z/OS health monitor

The Control Center's Create and Change Object Maintenance Policy wizards now allow you to automate the evaluation of object maintenance policies by the DB2 UDB for z/OS health monitor. On the z/OS system, a DB2 UDB for z/OS health monitor is started as a task for each DB2 subsystem to be monitored.

EXEC SQL utility support for loading data into DB2 UDB for z/OS tables

- DB2 UDB for z/OS, V8
- DB2 UDB for OS/390 and z/OS, V7

The Control Center's Load Table and Load on Table Space notebooks now support the INCURSOR option of the LOAD utility. The Control Center uses the EXEC SQL utility control statement to declare a cursor, and the result table from the declared cursor is used as input to the LOAD utility.

Version 9 incompatibilities with previous releases

- Type 3 JDBC support is discontinued.
- Vendor load API (sqluvtdl) is discontinued.
- VSE/VM objects are no longer supported in the DB2 Control Center.
- Data Links Manager is no longer supported.
- Data Warehouse Center is no longer included.
- Audio, Image, and Video Extenders are no longer supported.
- Autoloader utility (db2atld) is no longer supported.
- The db2reg2large utility for converting DMS table space size is discontinued.
- The DB2_SCATTERED_IO registry variable is discontinued.
- The desktop icon and folder making utility is no longer supported (Linux).
- The Extended Storage option for buffer pools is discontinued.
- The NetBios and SNA communication protocols are no longer supported.

- DB2 Administration Tools are discontinued on some platforms. The DB2 Administration Tools are supported only on Windows x86, Windows x64 (AMD64/EM64T), 32-bit Linux on x86, and Linux for AMD64 and Intel® EM64T.
- Text Extender is no longer supported.

Section 508 of the U.S. Rehabilitation Act

DB2 Connect Personal Edition, DB2 Connect Enterprise Edition, DB2 Connect Application Server, DB2 Connect Unlimited Edition for zSeries, and DB2 Connect Unlimited Edition for iSeries are capable as of September 22, 2006, 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 US Section 508 Voluntary Product Accessibility Template can be requested at

http://www-3.ibm.com/able/product_accessibility/index.html

Product positioning

DB2 Connect Personal Edition

DB2 Connect Personal Edition provides the API drivers and connectivity infrastructure to enable direct connectivity from Windows and Linux desktop applications to mainframe and iSeries database servers. This product is specifically designed and licensed for enabling two-tier client/server applications running on individual workstations and, as such, is not appropriate for use on servers.

Unlike server-based products (DB2 Connect Enterprise Edition, Application Server Edition, and Unlimited Edition), DB2 Connect Personal Edition does not provide the advanced functions such as Mobility on Demand, federated database support, server-based monitoring or connection concentrator, and associated load-balancing and failover support.

DB2 Connect Enterprise Edition

DB2 Connect Enterprise Edition is a combination of DB2 Connect Server and DB2 client software designed to address the needs of organizations that require robust connectivity from a variety of desktop systems to mainframe and iSeries database servers. DB2 client software is deployed on desktop systems and provides API drivers that connect client/server applications running on these desktop systems to a DB2 Connect Server. Designed to provide connectivity for client/server applications in large-scale, demanding environments, DB2 Connect Server provides connection pooling and connection concentrator functions to maximize application availability while minimizing mainframe resource usage.

DB2 Connect Enterprise Edition licensing terms are geared towards addressing the needs of two-tier client/server applications. License charges for the DB2 Connect Enterprise Server Edition product are based on the number of users of the product. Two types of licensing users are provided: concurrent users and registered users.

Because charges for the DB2 Connect Enterprise Edition are based on the number of users (registered or concurrent) and because determining the number of concurrent users in mobile and Web-based applications is very difficult or even impossible, DB2 Connect

Application Server Edition and DB2 Connect Unlimited Edition are preferred licensing options for such environments.

DB2 Connect Application Server Edition

DB2 Connect Application Server Edition is identical to the DB2 Connect Enterprise Server in its technology. Just like the DB2 Connect Enterprise Edition, it is designed for large-scale, demanding environments. However, its licensing terms and conditions are meant to address specific needs of multitier client/server applications as well as applications that utilize Web technologies. DB2 Connect Application Server Edition license charges are based on the size or the number of processors available to the application servers where the application is running. License charges are not affected by the number of users of the application, the size of the DB2 Connect server itself, or the size of the mainframe database server.

For example, an application that runs on three 2-CPU application servers (like WebSphere Application Server) requires a 6-CPU license (3*2=6 CPUs) for the DB2 Connect Application Server Edition, regardless of how many CPUs DB2 Connect is run on.

DB2 Connect Unlimited Edition for zSeries

DB2 Connect Unlimited Edition is ideal for organizations with extensive usage of DB2 Connect, especially where multiple applications are involved. This product provides program code of the DB2 Connect Personal Edition as well as program code identical to the DB2 Connect Application Server Edition for unlimited deployment throughout an organization.

DB2 Connect Unlimited Edition license fees are based on the size of the DB2 for OS/390 and z/OS database server (measured in MSUs) and are not affected by either the number of processors available to the DB2 Connect Servers or the number of processors available to application servers where the application is running. This makes DB2 Connect Unlimited Edition an ideal choice for organizations where multiple applications are utilizing DB2 Connect, or organizations with a mix of two-tier, multitier client/server, Web-based, and mobile applications.

DB2 Connect Unlimited Edition for iSeries

DB2 Connect Unlimited Edition is ideal for organizations with extensive usage of DB2 Connect, especially where multiple applications are involved. This product provides program code of the DB2 Connect Personal Edition as well as program code identical to the DB2 Connect Application Server Edition for unlimited deployment throughout an organization. DB2 Connect Unlimited Edition for iSeries license fees are based on the number of processors allocated to the data source running on i5/OS® or OS/400® operating systems. Charges for the program are not based on the number of processors attached or available to the DB2 Connect Unlimited Edition for iSeries itself. Unlimited users are permitted. This makes DB2 Connect Unlimited Edition for iSeries an ideal choice for organizations where multiple applications are utilizing DB2 Connect or organizations with a mix of two-tier, multitier client/server, Web-based, and mobile applications.

Reference information

Refer to Software Announcement 204-186, dated August 17, 2004.

Availability of national languages

Product description	Language	GA date
DB2 CEE V9.1.0	English US	September 22, 2006
DB2 CUE for iSeries V9.1.0	English US	September 22, 2006
DB2 Connect App Server V9.1.0	English US	September 22, 2006
DB2 Connect PE V9.1.0	English US	September 22, 2006
DB2 Connect UE V9.1.0	English US	September 22, 2006

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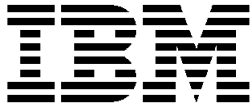
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IBM United States Announcement Supplemental Information

June 7, 2006

Education support

The following educational offerings are available as listed:

Course title	Course number	Course type
DB2 Connect DRDA(R) Implementation with TCP/IP	CF60G	Classroom
DB2 Connect to DB2 for OS/390: Problem Determination and Performance	CF63G	Classroom

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

<http://www-3.ibm.com/services/learning/>

Refer to the IBM IT Education Services Web site for information on course locations and availability dates.

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

The following courses will be released or updated as a result of this product announcement. New courses and updates are traditionally completed within three months of the availability date of the product. 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.

The following educational offerings are available:

Category	Course code	Course title	Course type
New courses	CG09	DB2 9 for Linux, UNIX, and Windows Transition	Classroom
	CG13	Querying and Administering pureXML data with DB2	Classroom
Introduction courses	CF03	DB2 Fundamentals	Classroom
	CF12	DB2 SQL Workshop	Classroom
Database Administration courses	CF20	DB2 Administration Workshop for Linux	Classroom
	CF21	DB2 Administration Workshop for UNIX	Classroom
	CF23	DB2 Administration Workshop for Windows	Classroom
	CF27	DB2 Administration Workshop for Sun Solaris	Classroom

	CF28	Fast Path to DB2 for Experienced Relational DBAs	Classroom
Advanced Database Administration courses	CF46	DB2 Advanced Database Administration for Experts	Classroom
	CF48	DB2 for Linux, UNIX, and Windows Quickstart for Experienced Relational DBAs	Classroom
	CF49	DB2 Advanced Recovery for Single-partition Databases	Classroom
	CF41	DB2 Database Performance Tuning and Monitoring Workshop	Classroom
Multi-partition courses	CF24	DB2 Multi-partition Database Administration Workshop for UNIX	Classroom
	CG24	DB2 Multi-partition Environment for Single-partition DBAs	Classroom
	CF44	DB2 for UNIX Multi-partition Performance Workshop	Classroom
DB2 Connect courses	CF60	DB2 Connect DRDA Implementation with TCP/IP	Classroom
	CF63	DB2 Connect for DB2 for z/OS® Problem Determination and Performance	Classroom

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are available at

http://www.ibm.com/services/learning/ites.wss/tp/en?pageType=tp_search

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

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>

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Description	Language	Form Number
DB2 Connect Version 9 User's Guide	English	SC10-4229
	Brazilian Portuguese	S517-8429
	Bulgarian	SA12-6666
	Croatian	SA12-6562
	Czech	SC09-3762
	Dutch	SC14-5563
	French	SC11-2427
	German	SC12-3642
	Hungarian	SC22-0405
	Japanese	SD88-6753
	Korean	SA30-2879
	Norwegian	SA15-4859
	Polish	SC85-0191
	Romanian	SA12-6506
	Russian	SC43-0470
	Spanish	SC11-3197
	Simplified Chinese	S151-0304
Slovakian	SA12-6753	
Slovenian	SA12-6356	
DB2 Connect Version 9 Quick Beginnings for DB2 Connect Servers	Traditional Chinese	SC40-2082
	English	GC10-4243
	Brazilian Portuguese	G517-8428
	Bulgarian	GA12-6665
	Croatian	GA12-6561
	Czech	GC09-3761
	French	GC11-2426
	German	GC12-3641
	Hungarian	GC22-0353
	Japanese	GD88-6765
	Korean	GA30-2878
	Norwegian	GA15-4858
	Polish	GC85-0190
	Romanian	GA12-6505
	Russian	GC43-0469
	Spanish	GC11-3183
	Simplified Chinese	G151-0303
Slovakian	GA12-6751	
Slovenian	GA12-6355	
DB2 Connect Version 9 Quick Beginnings for DB2 Connect Personal Edition	Traditional Chinese	GC40-2081
	English	GC10-4244
	Brazilian Portuguese	G517-8693
	Bulgarian	GA12-6669
	Croatian	GA12-6573
	Czech	GC09-3781
	Dutch	GC14-5569
	French	GC11-2561
	German	GC12-3725
	Hungarian	GC22-0433
	Japanese	GD88-4131
	Korean	GA30-3199
	Norwegian	GA15-4864
	Polish	GC85-0212
	Romanian	GA12-6517
	Russian	GC43-0508
	Spanish	GC11-3349
Simplified Chinese	G151-0431	
Slovakian	GA12-6767	
Slovenian	GA12-6368	
Traditional Chinese	GC40-2246	

Technical information

Hardware requirements

Minimum hardware requirements:

- 32-bit DB2 products and components running on x86 systems with 32-bit Windows or Linux: Intel® Pentium® 4, Intel Xeon, AMD Athlon, AMD Opteron CPU, or higher.
- 64-bit DB2 products and components running on x86-64 systems with 64-bit Windows or Linux: Systems with Intel EM64T or AMD64 processors.
- DB2 products running on AIX® and Linux for pSeries® and iSeries™: POWER™ 4 and POWER 5 CPUs.
- For DB2 products running on Solaris, UltraSPARC CPUs.
- For DB2 products on all other systems, the CPU requirements are determined by the operating system being used.

The hardware requirements of DB2 products may be occasionally updated. To obtain the current information for supported hardware, refer to

<http://www.ibm.com/software/data/db2/udb/sysreqs.html>

Memory requirements

DB2 clients: The amount of memory required for the DB2 Run-Time client depends on the operating system and the database applications that are running. In most cases, it should be sufficient to use the minimum memory requirements of the operating system as the minimum requirement for running the DB2 Run-Time client. Graphical tools that are part of an administration and application development client will require an additional 192 MB. The following table shows applicable recommended minimum memory for installation prerequisite in MB. The actual requirement depends on the applications you intend to run. Additional memory may be required to handle heavy workloads and large numbers of users. The following numbers are for reference only.

DB2 products and components	Memory
DB2 Connect Personal Edition	64 MB
DB2 Connect Server editions	256 MB

Disk space requirements: The following table shows applicable recommended minimum disk space for a typical install in MB. The actual space required may vary depending on your file system and the components installed. The following numbers are for reference only.

DB2 products and components	Disk space
DB2 Connect Server editions	450 MB(1)
DB2 Connect Personal Edition	256 MB(2)
DB2 Runtime Client	100 MB
DB2 Client	256 MB(2)
DB2 Information Center	120 MB(3)

- (1) Does not include any DB2 databases. An empty DB2 database requires 200 MB of disk space.
- (2) Includes the JDK and graphical tools.
- (3) English only. Other languages may require more disk space.

Software requirements: The operating system support level by various DB2 Connect products is frequently updated. To obtain the current information for supported software levels, including recommended maintenance levels, visit

<http://www.ibm.com/software/data/db2/udb/sysreqs.html>

The following minimal requirements for operating systems are current at the time of announcement:

Linux

- Red Hat Enterprise Linux (RHEL) 4
- SUSE Linux Enterprise Server (SLES) 9

Windows

- 32-bit and 64-bit Windows Server 2003, Standard Server, Enterprise Server, and Datacenter Editions
- 32-bit and 64-bit Windows XP Professional Edition

AIX

- AIX 5.2
- AIX 5.3

HP-UX

- HP-UX 11i v1 for HP9000 servers
- HP-UX 11i v2 for HP Integrity servers (Itanium-based systems)

Solaris

- Solaris 9 for UltraSPARC servers
- Solaris 10 for UltraSPARC servers

Solaris x86 will be available with DB2 Express Edition, DB2 Workgroup Server Edition, and DB2 Enterprise Server Edition at a later date.

DB2 Performance Expert

- AIX V5.1, or later, 64-bit
- Solaris 8, or later (SPARC), 64-bit
- HPUX 11i, or later (PA-Risc), 64-bit
- Windows 2000, 2003, XP, 32-bit
- Linux for xSeries® — SLES 8, 32-bit
- Linux for xSeries — SLES 9, 32- and 64-bit
- Linux for xSeries — RHEL 3, RHEL 4, 32- and 64-bit
- Linux for pSeries — SLES 9, 64-bit
- Linux for pSeries — RHEL 3, RHEL 4, 64-bit
- Linux for zSeries® — SLES 9, 64-bit
- Linux for zSeries — RHEL 4, 64-bit

For more information, refer to the installation prerequisites in the documentation accompanying each product.

Compatibility: DB2 Connect is compatible with the following mainframe and iSeries servers:

- DB2 UDB for z/OS and OS/390, V7.x and V8.x. The minimum supported software environment is at the maintenance level equivalent to Recommended Service Update (RSU) RSU0604. For information about RSUs, refer to

<http://www.ibm.com/servers/eserver/zseries/zos/servicetst/>

- DB2 UDB for iSeries V5R1, or later. Refer to APAR I13348 for a statement of support and the latest recommended PTFs by accessing the IBM eServer iSeries Support at

<http://techsupport.rchland.ibm.com>

- DB2 Server for VM and VSE V7.x. Refer to

<http://www.ibm.com/software/data/db2/vse-vm/support.html>

Planning information

Software Maintenance, previously referred to as Software Subscription and Technical Support, is included in the Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity, with voice and electronic access into IBM support organizations.

Packaging

IBM DB2 Connect Personal Edition V9

Media:

- IBM DB2 Connect Personal Edition for Windows on 32-bit AMD and Intel systems (x86) CDs
- IBM DB2 Connect Personal Edition for Linux on AMD64 and Intel EM64T systems (x86-64) CDs
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- DB2 Client for HP-UX 11i v2 on HP Integrity Itanium-based systems CDs
- DB2 Client for HP-UX 11i v2 on HP 9000 PA-RISC systems CDs
- DB2 Client for AIX 5L™ CDs

- DB2 Client for Windows on AMD64 and Intel EM64T systems (x64) CDs
- DB2 Developer Workbench for Linux and Windows CDs

IBM DB2 Connect Enterprise Edition V9

Media:

- IBM DB2 Connect Enterprise Edition — Activation CD
- IBM DB2 Connect Server for Windows on 32-bit AMD and Intel systems (x86) CDs
- IBM DB2 Connect Server for Linux on POWER (iSeries and pSeries) systems CDs
- IBM DB2 Connect Server for Linux on System z9 and zSeries CDs
- IBM DB2 Connect Server for Linux on AMD64 and Intel EM64T systems (x86-64) CDs
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- DB2 National Language Pack for Windows on AMD64 and Intel EM64T systems (x64) CDs
- IBM Homogeneous Federation Feature for DB2 databases — Activation CD

Complimentary products/additional media:

- WebSphere® MQSeries® CDs
- Rational® Web Developer CDs

IBM DB2 Connect Application Server Edition V9

Media:

- IBM DB2 Connect Application Server Edition — Activation CD
- IBM DB2 Connect Server for Windows on 32-bit AMD and Intel systems (x86) CDs
- IBM DB2 Connect Server for Linux on POWER (iSeries and pSeries) systems CDs
- IBM DB2 Connect Server for Linux on System z9 and zSeries CDs
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- DB2 National Language Pack for Windows on AMD64 and Intel EM64T systems (x64) CDs
- IBM Homogeneous Federation Feature for DB2 databases — Activation CD

Complimentary products/additional media:

- WebSphere MQSeries CDs
- Rational Web Developer CDs

IBM DB2 Connect Unlimited Edition for zSeries V9

Media:

- IBM DB2 Connect Unlimited Edition for zSeries — Activation CD
- IBM DB2 Connect Personal Edition for Windows on 32-bit AMD and Intel systems (x86) CDs
- IBM DB2 Connect Personal Edition for Linux on AMD64 and Intel EM64T systems (x86-64) CDs
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- IBM Homogeneous Federation Feature for DB2 databases — Activation CD

Complimentary products/additional media:

- WebSphere MQSeries CDs
- Rational Web Developer CDs

Security, auditability, and control

DB2 Connect Personal Edition, DB2 Connect Enterprise Edition, DB2 Connect Application Server Edition, DB2 Connect Unlimited Edition for zSeries, and DB2 Unlimited Edition for iSeries use security and auditability features to encrypt user IDs, passwords, and the data that flows between the client application and the backend database server. This ensures that only valid users are permitted access to the database servers. DB2 Connect interfaces with Microsoft™ Active Directory and Kerberos security mechanisms.

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 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.

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

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

To locate an IBM Business Partner, visit

<http://www.ibm.com/software/solutions/isv>

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
DB2 Connect Unlimited Edition for zSeries	IBM Database 2(TM)	DB2 Connect
IBM DB2 Connect Application Server Edition	IBM Database 2	DB2 Connect
IBM DB2 Connect Enterprise Edition	IBM Database 2	DB2 Connect
IBM DB2 Connect Personal Edition	IBM Database 2	DB2 Connect
IBM DB2 Connect Unlimited Edition for iSeries	IBM Database 2	DB2 Connect

Program name	PID number	Charge unit description
DB2 Connect Unlimited Edition for zSeries	5724-B62	Host Server
DB2 Connect Unlimited Edition for zSeries	5724-B62	Host Server
DB2 Connect Unlimited Edition for zSeries	5724-B62	MSU — Million Service Units
DB2 Connect Unlimited Edition for zSeries	5724-B62	MSU — Million Service Units
IBM DB2 Connect Application Server Edition	5724-D54	Processor(s)
IBM DB2 Connect Application Server Edition	5724-D54	Processor(s)
IBM DB2 Connect Enterprise Edition	5765-F30	25 Authorized Users
IBM DB2 Connect Enterprise Edition	5765-F30	25 Authorized Users
IBM DB2 Connect Enterprise Edition	5765-F30	25 Concurrent Users
IBM DB2 Connect Enterprise Edition	5765-F30	25 Concurrent Users
IBM DB2 Connect Personal Edition	5724-B56	Client Device(s)
IBM DB2 Connect Unlimited Edition for iSeries	5724-M15	Managed Processor(s)

Charge metrics definitions

Processor

A processor (commonly called a *CPU* or *core*) is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic and/or logic unit. With multi-core technology each core is considered a processor. With full capacity licensing, a proof of entitlement (PoE) must be acquired for all activated processors on the server available to the program or a component of the Program.

Managed Processor

A processor (commonly called a *CPU* or *core*) is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic and/or logic unit. With multi-core technology each core is considered a processor. A proof of entitlement (POE) must be acquired for all activated processors on the server in the computing environment affiliated with the program or component of the Program rather than on the server where the program or component of the Program is run.

Authorized User

An authorized user is one and only one individual (named or unnamed) within or outside Your enterprise. A proof of entitlement (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.

Client Device

A client device is a computing device that requests the execution of a set of commands, procedures, or applications from another computer system that is typically referred to as a server. Multiple client devices may share access to a common server. A client device generally has some processing capability or is programmable to allow a user to do work. Examples include, but are not limited to, notebook computers, desktop computers, desk side computers, technical workstations, appliances, automated teller machines, point-of-sale terminals, tills and cash registers, and kiosks.

Host server

A host server license must be obtained for each independent DB2 for OS/390 and z/OS database server being accessed with DB2 Connect Unlimited Edition. If the server is part of a sysplex (a cluster of System/390® or IBM zSeries servers), only one host server entitlement is required for all mainframe servers that are a part of the sysplex. When multiple independent mainframe servers or multiple sysplexes are used, one host server license must be obtained for each mainframe server or sysplex.

Passport Advantage program licenses

DB2 Connect Application Server Edition

Part description	Part number
IBM DB2 Connect Application Server Edition	
DB2 CASE Processor(s) License & SW Maintenance 12 Months	D51PVLL
DB2 CASE Processor(s) SW Maintenance Annual Renewal	E00IZLL
DB2 CASE Processor(s) SW Maintenance Reinstatement 12 Months	D51PXLL

DB2 Connect Enterprise Edition

Part description	Part number
IBM DB2 Connect Enterprise Edition	
DB2 CEE 25 Authorized Users License & SW Maintenance 12 Months	D58FILL
DB2 CEE 25 Authorized Users License & SW Maintenance 12 Months	D58H9LL
DB2 CEE 25 Authorized Users SW Maintenance Annual Renewal	E02K5LL
DB2 CEE 25 Authorized Users SW Maintenance Annual Renewal	E02KMLL
DB2 CEE 25 Authorized Users SW Maintenance Reinstatement 12 Months	D58FJLL
DB2 CEE 25 Authorized Users SW Maintenance Reinstatement 12 Months	D58HCLL
DB2 CEE 25 Concurrent Users License & SW Maintenance 12 Months	D58FGLL
DB2 CEE 25 Concurrent Users SW Maintenance Annual Renewal	E02K4LL
DB2 CEE 25 Concurrent Users SW Maintenance Reinstatement 12 Months	D58FHLL

DB2 Connect Personal Edition

Part description	Part number
IBM DB2 Connect Personal Edition DB2 CPE Client Device(s) License & SW Maintenance 12 Months	D58FELL
DB2 CPE Client Device(s) SW Maintenance Annual Renewal	E02K3LL
DB2 CPE Client Device(s) SW Maintenance Reinstatement 12 Months	D58FFLL

DB2 Connect Unlimited Edition for iSeries

Part description	Part number
IBM DB2 Connect Unlimited Edition for iSeries DB2 Connect UE for iSeries Managed Processor(s) License & SW Maintenance 1	D557ULL
DB2 Connect UE for iSeries Managed Processor(s) SW Maintenance Annual Renewal	E01URLL
DB2 Connect UE for iSeries Managed Processor(s) SW Maintenance Reinstatement	D557VLL

DB2 Connect Unlimited Edition for zSeries

Part description	Part number
DB2 Connect Unlimited Edition for zSeries	
DB2 CUE Host Server License & SW Maintenance 12 Months	D5AR6LL
DB2 CUE Host Server SW Maintenance Annual Renewal	E1AR9LL
DB2 CUE Host Server SW Maintenance Reinstatement 12 Months	D5ARALL
DB2 CUE MSU -- Million Service Units License & SW Maintenance 12 Months	D5AQPLL
DB2 CUE MSU -- Million Service Units SW Maintenance Annual Renewal	E1AQSLL
DB2 CUE MSU -- Million Service Units SW Maintenance Reinstatement 12 Months	D5AQTL

Passport Advantage supply

Program name/description	Part number
DB2 CEE V9.1.0 Media Pack English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation®), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V9.1.0	BBOR1NA
DB2 CUE for iSeries V9.1.0 Media Pack English US Linux for iSeries Integrated Mid-Market Business Servers, Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V9.1.0	BBOR5NA
DB2 Connect App Server V9.1.0 Media Pack English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V9.1.0	BBORONA
DB2 Connect PE V9.1.0 Media Pack English US Windows 2000, Windows XP, Windows Server 2003, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V9.1.0	BBOR9NA
DB2 Connect UE V9.1.0 Media Pack English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard V9.1.0	BBOR7NA

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.

DB2 Connect PE V9.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Connect Personal Edition per Client Device	DB2 Connect PE English US Windows 2000, Windows XP, Windows Server 2003, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BBOR9NA

DB2 Connect UE V9.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 CONN UNLIM EDITION MSU	DB2 Connect UE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BBOR7NA
DB2 CONNECT UNLIMTD ED 1 HOST SERVER	DB2 Connect UE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BBOR7NA

DB2 Connect App Server V9.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 CONNECT APPLICATION SVR PROC	DB2 Connect App Server English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BBORONA
DB2 Connect Application Server Edition zLinux Processor	DB2 Connect App Server English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries IntelliStation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BBORONA

DB2 CEE V9.1.0

Entitled maintenance offerings description	Media packs description	Part number	Program Name/Description	Part Number
IBM DB2 Connect Enterprise Ed 25 Cnc Users for Linux on z	DB2 CEE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries Intellistation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BB0R1NA	DB2 CASE Processor(s) License & SW Maintenance 12 Months DB2 CASE Processor(s) SW Maintenance Annual Renewal DB2 CASE Processor(s) SW Maintenance Reinstatement 12 Months DB2 CEE 25 Concurrent Users License & SW Maintenance 12 Months DB2 CEE 25 Concurrent Users SW Maintenance Annual Renewal DB2 CEE 25 Concurrent Users SW Maintenance Reinstatement 12 Months	D51PYLL E00JOLL D51Q1LL D58FMLL E02K7LL D58FNLL
IBM DB2 Connect Enterprise Ed per 25 Auth Us for Linux on z	DB2 CEE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries Intellistation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BB0R1NA	DB2 CUE Host Server License & SW Maintenance 12 Months DB2 CUE Host Server SW Maintenance Annual Renewal DB2 CUE Host Server SW Maintenance Reinstatement 12 Months DB2 CUE MSU -- Million Service Units License & SW Maintenance 12 Months DB2 CUE MSU -- Million Service Units SW Maintenance Annual Renewal DB2 CUE MSU -- Million Service Units SW Maintenance Reinstatement 12 Months	D50MQLL E005DLL D50MVL D50NOLL E005FLL D50N4LL
IBM DB2 Connect Enterprise Edition per 25 Authorized Users	DB2 CEE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries Intellistation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BB0R1NA	DB2 CUE MSU -- Million Service Units License & SW Maintenance 12 Months DB2 CUE MSU -- Million Service Units SW Maintenance Annual Renewal DB2 CUE MSU -- Million Service Units SW Maintenance Reinstatement 12 Months	D50NOLL E005FLL D50N4LL
IBM DB2 Connect Enterprise Edition per 25 Concurrent Users	DB2 CEE English US Windows 2000, Sun Solaris/SPARC, Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), Linux for pSeries UNIX Servers (incl pSeries Intellistation), AIX 5L, V5, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BB0R1NA		

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License information form numbers

Program name	Program number	Form number
DB2 Connect Application Server Edition	5724-D54	L-SVAY-6MWPQ
DB2 Connect Enterprise Edition	5765-F30	L-SVAY-6MWPQ
DB2 Connect Personal Edition	5724-B56	L-SVAY-6MWPQ
DB2 Connect Unlimited Edition for iSeries	5724-M15	L-SVAY-6MWPQ
DB2 Connect Unlimited Edition for zSeries	5724-B62	L-SVAY-6MWPQ

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

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

Limited warranty: Yes

Warranty: This program includes a warranty for one year from acquisition from IBM or an authorized IBM Business Partner. For one year from acquisition of the program, this warranty provides the customer with access to databases containing program information and FAQs, including any known fixes to defects, which the customer can download or otherwise obtain and install.

Cross-platform product for use on zSeries

Order the part numbers that follow when there is an intention to acquire this cross-platform product for deployment on the zSeries/S/390® platform. This set of part numbers provides the identical supply and authorization as the other set in this announcement. The distinction is to identify the planned deployment platform.

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Money-back guarantee: If for any reason you are dissatisfied with the program and you are the original licensee, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund.

For programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program.

Copy and use on home/portable computer

Product name	Copy and use on home/portable computer?
DB2 Connect Application Server Edition	Yes
DB2 Connect Enterprise Edition	Yes
DB2 Connect Personal Edition	Yes
DB2 Connect Unlimited Edition for iSeries	Yes
DB2 Connect Unlimited Edition for zSeries	Yes

Volume orders (IVO): No

Passport Advantage applies: Yes, and through the Passport Advantage Web site at

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

Usage restriction: Yes

The following is a summary of the licensing terms. For further information, refer to the specific program terms and conditions located with the product in the /db2/license directory.

Terms and conditions for all products

Charge metrics

Refer to the **Charge structure** section for definitions of charges.

License key registration

Before using this program, you agree to register the appropriate license key, using the included DB2 License Center component. The license key is included with your proof of entitlement.

Program components

The program contains components that are provided to support your authorized use of the program on server machines within your enterprise. If you want to perform multiple installations or distribution of these components, you must contact IBM or its reseller to obtain the appropriate licenses.

Usage restriction — Database Enterprise Developers Edition

If this program is acquired through the IBM Database Enterprise Developer Edition, this program can be installed on one or more shared servers for use by all authorized users with valid IBM Database Enterprise Developer Edition licenses, up to the level of use authorized by the PoE. You may use all components of the program only for the purposes of evaluating, demonstrating, testing, and developing application programs.

Usage restriction — Other IBM programs

If this program is acquired through the acquisition of another IBM program, the program-unique terms contained within that other IBM program take precedence.

DB2 Connect Enterprise Edition

Charges for concurrent users are not applicable when connections to this program are made through the Internet or intranet. When using this program to support applications that use Web-based technologies and rely on connections made from the Internet or intranet, use-based charges must be based on the number of authorized users. If determining the number of authorized users is not possible or not practical, DB2 Connect Application Server Edition should be used.

Connections made to this program through other programs that act as connection concentrators must be counted as DB2 Connect users and are subject to use-based charges as either authorized users or concurrent users.

DB2 Connect must be licensed to a minimum of 25 authorized users or concurrent users per server on which DB2 Connect is installed or the total number of authorized users or concurrent users accessing the DB2 Connect data server as defined previously, whichever is greater.

DB2 Connect Application Server Edition

This program provides communication infrastructure and programming APIs for Web servers or application servers to connect to data residing on mainframe and midrange systems. Charges for this program are based on the number of processors attached or available to these Web servers or application servers. Charges for this program are not based on the number of servers or processors attached or available to the program itself.

Charges for this program are also not affected by the placement of the program. For example, the same charges apply whether the program is installed on the same server as the Web server or the application server, or if it is installed on separate servers. The total number of processors attached or available to the Web servers or application servers may not exceed the number authorized by the applicable PoEs. If the total number exceeds the quantity in your PoEs, you must notify IBM or its reseller, as stated in the IPLA.

High availability/failover licensing

DB2 Connect Application Server Edition license charges are based on the number of processors used by an application server and not the DB2 Connect Server. Therefore, the terms *idle standby* and *active standby* apply to the application server configuration and not to the DB2 Connect Server configuration.

In active standby or idle standby, you must acquire the correct number of processor entitlements:

- In an active standby configuration, the program is operational on all servers to service user transactions or queries. Because each of the active standby application servers is used to operate the program for user transactions or queries before or after a failure, the program must be fully licensed. In active standby, you must license the program for the number of processors attached or available to the active standby application server. For example, if the active standby application server machine has four processors, you must obtain four processor entitlements.
- In an idle standby configuration, an idle standby server has the application server installed on it, but the application server is not processing any end-user transactions or query workloads. An application server is considered *idle* if it is used exclusively for administrative actions that assist in failover scenarios, such as having a database in roll forward pending state to support log shipping, or in making a flash copy of a DB2 database and then performing a database backup of this copy on another server. In idle standby, you must license the program for one processor per idle standby server only, regardless of the number of processors attached or available to the application server.

Usage restriction — Mobility on Demand component

The PoE that you acquired for this program entitles you to use the Mobility on Demand component. Your use of the Mobility on Demand component is limited in that the sync server component of Mobility on Demand must coexist on the same server as the licensed DB2 data server. The Mobility on Demand component may not be used for any other purpose.

DB2 Unlimited Edition for zSeries

Licensing and charges are not based on the number of users or specific users being registered but on the Millions of Service Units (MSU) per Hour entitlements of the DB2 Universal Database® for z/OS and OS/390 or DB2 Server for VSE and VM server. DB2 Connect use-based charges for MSUs apply to any single DB2 for z/OS and OS/390 subsystem or DB2 Server for VSE and VM database server that users will be connecting to.

Resources Available or Attached (MSUs): Charges for this program are based on the total MSU capacity of the attached DB2 Universal Database for z/OS and OS/390, or DB2 Server for VSE and VM host system. Where the host system is part of a Parallel Sysplex®, MSUs are based on the DB2 entitlements of the entire sysplex.

The total capacity of the DB2 Universal Database for DB2 for z/OS and OS/390 or DB2 Server for VSE and VM system attached or available may not exceed the total number authorized by the applicable proofs of entitlement. If the total number exceeds the quantity in your PoE, you must notify IBM or its reseller as stated in the IPLA.

Usage restriction — Mobility on Demand component

The program includes the Mobility on Demand component. Your use of the Mobility on Demand component is limited to use in support of your licensed use of the program. The sync server component of Mobility on Demand must coexist on the same server as the licensed DB2 program. The Mobility on Demand component may not be used for any other purpose.

DB2 Unlimited Edition for iSeries

This program must be used in conjunction with DB2 for iSeries as the primary data source running on i5/OS or

OS/400® operating systems. It can be used to connect to other data sources but not to DB2 for OS/390 and z/OS nor DB2 Server for VSE and VM. If you have a need to use this program with DB2 for OS/390 and z/OS or DB2 Server for VSE and VM, you must acquire a proper license for either IBM DB2 Connect Personal Edition (5724-B56), IBM DB2 Connect Unlimited Edition (5724-B62), IBM DB2 Connect Application Server Edition (5724-D54), or IBM DB2 Connect Enterprise Edition (5765-F30).

Managed processors: Charging for this program is based on the number of processors allocated to the data source running on i5/OS or OS/400 operating systems. Charges for the program are not based on the number of processors attached or available to the DB2 Connect Unlimited Edition for iSeries itself. Unlimited users are permitted.

The total number of processors allocated to the data source running on i5/OS or OS/400 operating systems may not exceed the total number authorized by the applicable proofs of entitlement. If the total number exceeds the quantity in your proofs of entitlement, you must notify IBM or its reseller as stated in the IPLA.

Usage restriction — Mobility on Demand component

The program includes the Mobility on Demand component. Your use of the Mobility on Demand component is limited to use in support of your licensed use of the program. The sync server component of Mobility on Demand must coexist on the same server as the licensed DB2 program. The Mobility on Demand component may not be used for any other purpose.

DB2 Connect Personal Edition

This program is licensed for installation and use by an individual user at a single workstation within your enterprise. This product is not licensed for use with application servers.

Software Maintenance applies: Yes

Software Maintenance, previously referred to as Software Subscription and Technical Support, is included in the IBM International Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service provides voice and electronic access to IBM support organizations.

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