IBM DB2 Connect 10.1 for Linux , UNIX , and Windows exploits latest features in IBM DB2 10 for z/OS and IBM DB2 for i 7.1, adds deployment flexibility and boosts high availability

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At a glance

IBM® DB2 Connect™ V10.1 includes:

- Enhancements to exploit the new capabilities in IBM DB2® 10 for z/OS®
- High availability and performance enhancements
- Improved integration with IBM tools
- New driver capabilities, including improvements to ease migration from other vendor databases
- Ease of deployment

Overview

IBM DB2 Connect 10.1 delivers capabilities that exploit the latest features in IBM DB2 10 for z/OS and IBM DB2 for i 7.1, including performance enhancements, unsurpassed resiliency, temporal data management, and simplified deployment. DB2 Connect 10.1 is designed to leverage your enterprise information -- no matter where it is stored. For those enterprises that have made DB2 for z/OS and DB2 for i servers the cornerstone of their agile business, DB2 Connect provides application enablement and a robust, highly scalable communications infrastructure for connecting web, Windows™, UNIX™, and Linux™ applications to data.

IBM DB2 Connect 10.1 Application Server Advanced Edition and IBM DB2 Connect 10.1 Unlimited Advanced Edition for System z® enhance IT staff's ability to depend on the stability and reliability of existing DB2 server investments, leverage the flexibility and ease of new programming languages and tools, and support efforts to increase the performance and security of database applications. Using the IBM pureQuery technology that is included in the advanced editions of DB2 Connect allows you to boost the SQL performance of your data server while helping to protect your data from SQL injection attacks and other types of database application security risks. In addition, key performance metrics and correlation metadata can be captured and displayed within IBM Data Studio.

IBM DB2 Connect 10.1 includes IBM Data Studio V3.1.1, a comprehensive product for application development and database administration. IBM Data Studio helps database developers and administrators manage, administer, and develop heterogeneous database environments for increased productivity.

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DB2 Connect is the industry-leading solution integrating System z, IBM i, and other enterprise data with client/server, web, and service-oriented architecture (SOA) applications. DB2 Connect 10.1 delivers significant feature enhancements to improve programmer productivity, provide a more robust infrastructure, and enable the flexible deployment of DB2 Connect technology.

An enhanced set of application development tools simplifies database application development and eases application deployment that includes new Developer Workbench and enhanced functionality for Visual Studio 2010. DB2 Connect 10.1 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 keep developers on the leading edge of Java™ technology. Improvements to DB2 Connect 10.1 federation capabilities simplify the programming challenge by adding support for two-phase commit capabilities for multivendor data sources.

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

With features such as server-based license activation in Unlimited Editions for System z, nonadministrator installation on Windows, response file installation enhancements, and support for coexistence of multiple copies of the DB2 database system, DB2 Connect 10.1 allows your IT staff to spend more time supporting your business needs instead of installing and deploying database systems.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections of this announcement.

Planned availability date

April 30, 2012: Electronic availability

June 11, 2012: Media availability

Availability of programs with encryption algorithm in France is subject to French government approval.

Cryptography in this product is limited to password encryption, authentication or digital signature.

Refer to the complete letter for national language availability.

Description

IBM DB2 Connect V10.1 provides fast and robust connectivity to IBM DB2 databases deployed on either IBM System z or IBM System i®. DB2 Connect has a number of DB2 Connect editions to best meet your company's needs. With most editions, DB2 Connect client components can be used to directly connect applications running on Linux (including Linux on System z), UNIX, and Windows to DB2 servers on System z or IBM i. All editions, except the DB2 Connect Personal Edition, also include an optional DB2 Connect server component that can be used as a gateway to concentrate and manage connections from multiple desktop clients and applications to DB2 databases on IBM System z or IBM System i servers.

IBM DB2 Connect 10.1 enables client applications to create, access, update, control, and manage DB2 databases on host systems using:

- Structured Query Language (SQL)

- DB2 Application Programming Interfaces (APIs)

- Open Database Connectivity (ODBC)

- Java Database Connectivity (JDBC)

- SQLJ (embedded SQL for Java)

- DB2 Call Level Interface (CLI)

- Ruby

- pureQuery

- .NET

- PHP

- Python

- Perl

Enhancements to exploit the new capabilities in DB2 10 for z/OS

DB2 Connect 10.1 delivers over a dozen new capabilities across the drivers to fully exploit the DB2 10 for z/OS platform, to improve operational efficiencies, reduce costs, and adapt quickly to support business growth -- all while enhancing the resiliency required for today's demanding business requirements. These capabilities include various performance enhancements, ease of application portability, and support for new data types.

- Binary XML support with XDBX parsing support in Java drivers

  - Support of binary XML provides performance improvements since the XML data can be encoded more efficiently.
- Significant XML performance enhancements along with server CPU offloads
- Support for extended indicator variables, to improve performance

  - This functionality also enhances ease of application development by eliminating the need to prepare separate INSERT statements for every combination of columns that are being inserted.
- Boost in performance via statement concentrator to support sharing of query plans

  - New Statement Concentrator capability part of DB2 10 for z/OS is fully exploited by DB2 Connect 10.1. This capability reduces query compilation costs significantly by improving sharing of statement query plans across connections by automatically eliminating constant values embedded in statements.
- Temporal table support

  - DB2 Connect 10.1 exploits the temporal table capability of DB2 10 for z/OS to enable applications to query data based on periods of time.
- Enhanced timestamp precision for applications

  - For the TIMESTAMP data type, the number of digits of fractional seconds has been extended to support a range from 0 to 12. The default is 6 digits. This enhancement enables TIMESTAMP data, with varying timestamp precision, to be stored or loaded into DB2 tables, and allows manipulation of that data.

High availability and performance enhancements

- Seamless DB2 for z/OS Sysplex upgrade with zero downtime for application servers and alternate data center failover

  - DB2 Connect 10.1 allows an application accessing DB2 for z/OS to continue running while having different members of a DB2 Data Sharing Group at different compatibility modes, or while switching between different compatibility modes, without needing any application or application server restarts.
- New column-level batch insert

- Column-level batch insert is now supported for DB2 for z/OS server, with optimal buffering of application data and reduced network bandwidth requirement.

Improved integration with IBM tools

- Client application and IBM WebSphere® Application Server monitoring through integration with Extended Insight feature of IBM Tivoli® OMEGAMON® XE for DB2 Performance Expert on z/OS and IBM Optim™ Performance Manager Extended Edition
- Integration enhancements with Optim Configuration Manager to do penalty boxing, and providing database administrators (DBAs) the control of client settings
- Deeper integration with the included IBM Data Studio, and IBM pureQuery

New driver capabilities

- New JDBC 4.1 capabilities for Java 7
- .NET 4.0 framework with Entity Framework
- Full integration with Visual Studio 2010
- SQLJ enhancements
- Support for DB2 for i 7.1
- Support for migrating applications from other database vendor systems to DB2 10 for z/OS

  - DB2 Connect 10.1 has been enhanced to ease migration of applications from other database vendor systems to DB2 for z/OS. This includes several new capabilities in DB2 10 for z/OS such as implicit casting and TIMESTAMP WITH TIMEZONE data type, along with corresponding enhancements to DB2 Connect components.

Ease of deployment

- Enhanced IBM Data Server Driver bundle for ease of deployment

  - IBM Data Server Driver Package (also known as DS Driver) has a smaller footprint that enables users to deploy and upgrade client packages more easily.
- Server-based license activation in Unlimited Editions for System z, for easy centralized deployment

  - To establish direct client connections to DB2 for z/OS, the DB2 Connect Unlimited Edition for System z license key can now be activated on the DB2 for z/OS subsystem or data sharing group. Activating the license key on a DB2 for z/OS subsystem can take less time than activating the key on each client computer, and provides convenient centralized deployment and license validation.
- Flexible deployment for direct client connectivity or via the optional DB2 Connect server component

  - You can choose between direct client connections to DB2 on host systems or connections via the optional DB2 Connect server component acting as a gateway.

Advanced editions

IBM pureQuery Runtime for Linux, UNIX, and Windows is included in DB2 Connect Advanced Editions and enables users to:

- Capture, review, share, and optimize SQL, including the ability to replace poorly performing SQL with optimized SQL without changing the application
- Convert DB2 dynamic SQL to static SQL to reduce CPU consumption, provide better manageability, and enforce tighter security
- Prevent SQL injection by restricting the SQL executed by a specific application to an approved set of SQL statements

- Display performance metrics within IBM Data Studio to identify SQL hot spots

- Trace problem SQL back to its source code for faster problem isolation

- Visualize the impact of database changes using IBM Data Studio

IBM pureQuery technology provides conversion and consolidation of literals within SQL statements. SQL statements, including literals, are unique and help reduce the likelihood of the database server finding them in the dynamic cache, which can affect performance. Additionally, SQL statements with literals become difficult for the DBA to convert to static SQL. By converting literals to parameters or variables and then consolidating those with common structure into a single statement, you can use pureQuery to help improve application performance.

To read more about pureQuery technology, refer to Software Announcement ZP11-0539, dated October 18, 2011.

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 System i 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. This edition requires one license per client device it is installed on.

Unlike server-based products (DB2 Connect Enterprise Edition, Application Server Edition, Application Server Advanced Edition, Unlimited Edition, Unlimited Advanced Edition), DB2 Connect Personal Edition does not provide the advanced functions such as 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 System i 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, the optional DB2 Connect server component provides connection pooling and connection concentrator functions to maximize application availability while minimizing mainframe resource usage. The DB2 Connect server component also includes the capability to access federated data from DB2 for Linux, UNIX and Windows (LUW), DB2 for z/OS, DB2 for i or Informix® databases via a single consolidated view.

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 are based on the number of users of the product. Two types of licensing by number of users is provided: Floating User Single Install and Authorized User. Licensing based on floating users can only be used with the DB2 Connect Server component and not for direct connectivity from the client to DB2 on host systems.

Because charges for DB2 Connect Enterprise Edition are based on the number of users (Authorized User or Floating User Single Install) and because determining the number of users in web-based applications can be very difficult or even impossible, DB2 Connect Application Server Edition and DB2 Connect Unlimited Edition are the preferred licensing options for such environments.

DB2 Connect Application Server Edition

DB2 Connect Application Server Edition is identical to the DB2 Connect Enterprise Edition 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 processor technology and the number of processor cores 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 (if deployed), or the size of the mainframe database server being accessed.

For example, an application that runs on three 2-CPU (dual core per CPU) application servers (such as IBM WebSphere Application Server) requires PVU entitlements for 12 processor cores (3*2*2=12 processor cores) for the DB2 Connect Application Server Edition, regardless of how many CPUs DB2 Connect is running on.

DB2 Connect Unlimited Edition for System z

DB2 Connect Unlimited Edition for System z is ideal for organizations with extensive usage of DB2 Connect, to access DB2 on System z, 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 licenses are based on the number of production DB2 Subsystems or production DB2 Data Sharing Groups, and the capacity available to production and non-production DB2 for z/OS data servers (measured in MSUs) and are not affected by the number of processors available to DB2 Connect, the number of users, 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, and web-based applications.

DB2 Connect Unlimited Edition for System i

DB2 Connect Unlimited Edition for System i is ideal for organizations with extensive usage of DB2 Connect, to access IBM DB2 for i, 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 System i licenses are based on the number of processor cores allocated to IBM DB2 for i that is being accessed. Charges for the program are not based on the number of processors attached or available to the DB2 Connect Unlimited Edition for System i itself. Unlimited users are permitted. This makes DB2 Connect Unlimited Edition for System i an ideal choice for organizations where multiple applications are utilizing DB2 Connect or organizations with a mix of two-tier, multitier client/server, and web-based applications.

DB2 Connect Application Server Advanced Edition

DB2 Connect Application Server Advanced Edition consists of DB2 Connect Application Server Edition, together with InfoSphere® Optim pureQuery Runtime for Linux, UNIX and Windows. Just like Application Server Edition, its licensing terms and conditions are meant to address specific needs of multitier client/server applications as well as applications that utilize web technologies, and the use of pureQuery technology in conjunction with DB2 Connect. The pureQuery technology, that is included, is meant to provide further improved performance and enhanced application security. DB2 Connect Application Server Advanced Edition license charges are based on the processor technology and the number of processor cores 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 (if deployed), or the size of the mainframe database server being accessed.

For example, an application that runs on three 2-CPU (dual core per CPU) application servers (such as WebSphere Application Server) requires PVU entitlements for 12 processor cores (3*2*2=12 processor cores) for the DB2 Connect Application Server Advanced Edition, regardless of how many CPUs DB2 Connect is running on.

DB2 Connect Unlimited Advanced Edition for System z

DB2 Connect Unlimited Advanced Edition for System z is ideal for organizations with extensive usage of DB2 Connect, to access DB2 on System z, especially where multiple applications are involved. This product provides program code of DB2 Connect Unlimited Edition for System z, as well as program code of InfoSphere Optim pureQuery Runtime for Linux, UNIX and Windows, that can be used in conjunction with DB2 Connect. The pureQuery technology, that is included, is meant to provide further improved performance and enhanced application security.

DB2 Connect Unlimited Advanced Edition licenses are based on the number of production DB2 Subsystems or production DB2 Data Sharing Groups, and the capacity available to production and non-production DB2 for z/OS data servers (measured in MSUs) and are not affected by the number of processors available to DB2 Connect, the number of users, 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, and web-based applications.

All editions include and integrate with IBM Data Studio to enable database application developers to more rapidly develop higher quality code by providing a feature-rich database application development environment. This environment helps simplify development by providing procedure building and debugging features along with database object management, project management, and optimization tools.

Availability of national languages

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Product description          Language        GA date

DB2 CEE V10.1.0              All Lang per     June 11, 2012
                             ESD/PA Media
                             Pks

DB2 CUE for iSeries® V10.1.0  All Lang per     June 11, 2012
                             ESD/PA Media
                             Pks

DB2 Conn App Svr Adv Ed      All Lang per     June 11, 2012
  V10.1.0                    ESD/PA Media
                             Pks

DB2 Conn Unltd Adv Ed Sys z  All Lang per     June 11, 2012
  V10.1.0                    ESD/PA Media
                             Pks

DB2 Connect App Server       All Lang per     June 11, 2012
  V10.1.0                    ESD/PA Media
                             Pks

DB2 Connect PE V10.1.0       All Lang per     June 11, 2012
                             ESD/PA Media
                             Pks

DB2 Connect UE V10.1.0       All Lang per     June 11, 2012
                             ESD/PA Media
                             Pks
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Program number

Program number	VRM	Program name
5724-B62	10.1.0	DB2 Connect Unlimited Edition for System z
5724-Z19	10.1.0	IBM DB2 Connect Application Server Advanced Edition
5724-D54	10.1.0	IBM DB2 Connect Application Server Edition
5765-F30	10.1.0	IBM DB2 Connect Enterprise Edition
5724-B56	10.1.0	IBM DB2 Connect Personal Edition
5724-Z18	10.1.0	IBM DB2 Connect Unlimited Advanced Edition for System z
5724-M15	10.1.0	IBM DB2 Connect Unlimited Edition for System i

Education support

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

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

Contact your IBM representative for course information.

Offering Information

Product information is available via the Offering Information website

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

Also, visit the Passport Advantage® website

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

Publications

No hardcopy publications are shipped with these products.

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.

Technical information

Specified operating environment

Hardware requirements

Minimum hardware requirements:

- 32-bit DB2 Connect products and components running on x86 systems with 32-bit Windows or Linux: Intel™ Pentium™ 4, Intel Xeon™, AMD Athlon, AMD Opteron central processing unit (CPU).
- 64-bit DB2 Connect products and components running on x86-64 systems with 64-bit Windows or Linux: Systems with Intel EM64T or AMD64 processors.
- DB2 Connect products running on AIX® and Linux for System p® and System i: Systems with POWER4 processors are required.
- For DB2 products running on Solaris, UltraSPARC CPUs.
- For DB2 Connect products on all other systems, the CPU requirements are determined by the operating system being used.

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

http://www.ibm.com/software/data/db2/linux-unix-windows/sysreqs.html

For detailed information about the hardware requirements for pureQuery, refer to Software AnnouncementZP12-0093, dated April 03, 2012.

Memory requirements

Data server client packages: The amount of memory required for the Data Server Runtime client packages 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 Data Server Runtime client package. Graphical tools, that are part of an IBM Data Server Client, will require an additional 192 MB. The following table shows applicable recommended minimum memory for installation prerequisites 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 (all editions except Personal Edition)	1024 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 numbers below are for reference only.

DB2 Connect products and components	Disk space
DB2 Connect server component (all editions except Personal Edition)	1024 MB (1)
DB2 Connect Personal Edition	256 MB (2)
IBM Data Server Driver for JDBC and SQLJ (JCC Driver)	10 MB
IBM Data Server Driver for ODBC and CLI (CLI Driver)	70 MB
IBM Data Server Driver Package (DS Driver)	100 MB

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IBM Data Server Runtime Client    175 MB
IBM Data Server Client            500 MB (2)
DB2 Information Center            120 MB (3)
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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 of 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/linux-unix-windows/sysreqs.html

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

Linux

- Red Hat Enterprise Linux (RHEL) 5 and 6 on 32-bit AMD and Intel x86 systems (4)
- SUSE Linux Enterprise Server (SLES) 10 and 11 on 32-bit AMD and Intel x86 systems (4)
- Red Hat Enterprise Linux (RHEL) 5 and 6 on 64-bit AMD and Intel x64 systems
- SUSE Linux Enterprise Server (SLES) 10 and 11 on 64-bit AMD and Intel x64 systems
- Red Hat Enterprise Linux (RHEL) 5 and 6 on 64-bit System z (5)
- SUSE Linux Enterprise Server (SLES) 10 and 11 on 64-bit System z (5)
- Red Hat Enterprise Linux (RHEL) 5 and 6 on 64-bit System p (5)
- SUSE Linux Enterprise Server (SLES) 10 and 11 on 64-bit System p (5)
- Ubuntu 8.0.4.1

Windows

- Windows XP Professional Edition 32 bit and 64 bit (4)
- Windows Vista Business, Enterprise, and Ultimate Editions 32 bit and 64 bit (4)
- Windows 2003, 2003 R2 Standard, Enterprise, and Datacenter Editions 32 bit and 64 bit
- Windows 2008, 2008 R2 Standard, Enterprise, and Datacenter Editions 32 bit and 64 bit
- Windows 7

AIX

- AIX V6.1
- AIX V7.1

HP-UX

- HP-UX 11i v3 for 64-bit HP Integrity servers (Itanium-based systems) (5)

Solaris

- Solaris 10 for UltraSPARC servers (5)
- Solaris 10 for x64 servers (5)

(4) Supported for DB2 Connect Personal Edition only.

(5) Supported for all DB2 Connect server editions except Personal Edition.

For more information, refer to the Installation Prerequisites in the documentation accompanying each product.

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

Compatibility

DB2 Connect is compatible with some mainframe and System i servers. For up-to-date information, refer to

   http://www.ibm.com/software/data/db2/db2connect/sysreqs.html

Companion products

- IBM InfoSphere Optim pureQuery Runtime for Linux, UNIX, and Windows V3.1.1

Planning information

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

Packaging

IBM DB2 Connect 10.1 Personal Edition - Client Device

Media:

- IBM DB2 Connect 10.1 Personal Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Personal Edition DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM Data Studio V3.1.1 DVDs

IBM DB2 Connect 10.1 Application Server Edition - PVU

Media:

- IBM DB2 Connect 10.1 Application Server Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Server DVDs
- IBM Data Server Runtime Client 10.1 DVDs

- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries® V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs

IBM DB2 Connect 10.1 Application Server Advanced Edition - PVU

Media:

- IBM DB2 Connect 10.1 Application Server Advanced Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect Server 10.1 DVDs
- IBM Data Server Runtime Client 10.1 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for LUW V3.1.1 DVDs

IBM DB2 Connect 10.1 Enterprise Edition - Authorized User and Float User Single Install Options

Media:

- IBM DB2 Connect 10.1 Enterprise Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Server DVDs
- IBM Data Server Runtime Client 10.1 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs

IBM DB2 Connect 10.1 Unlimited Edition for System i - PVU

Media:

- IBM DB2 Connect 10.1 Unlimited Edition for System i - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Personal Edition DVDs

- IBM DB2 Connect 10.1 Server DVDs
- IBM Data Server Runtime Client 10.1 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs

IBM DB2 Connect 10.1 Unlimited Edition for System z - Host Server and Millions of Service Units per Hour (MSU) Options

Media:

- IBM DB2 Connect 10.1 Unlimited Edition for System z - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Personal Edition DVDs
- IBM DB2 Connect 10.1 Server DVDs
- IBM Data Server Runtime Client 10.1 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs

IBM DB2 Connect 10.1 Unlimited Advanced Edition for System z - Host Server and Millions of Service Units per Hour (MSU) Options

Media:

- IBM DB2 Connect 10.1 Unlimited Advanced Edition for System z - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 Connect 10.1 Personal Edition DVDs
- IBM DB2 Connect 10.1 Server DVDs
- IBM Data Server Runtime Client 10.1 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.1 DVDs
- IBM DB2 10.1 Support Files for SSL Functionality CD
- IBM DB2 10.1 Support Files for Advanced Copy Services Functionality CD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for LUW V3.1.1 DVDs

Security, auditability, and control

DB2 Connect uses the security and auditability features of the host hardware or software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit

  http://www-306.ibm.com/software/support/pa.html

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 System z	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Application Server Advanced Edition	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Application Server Edition	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Enterprise Edition	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Personal Edition	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Unlimited Advanced Edition for System z	IBM Database 2	IBM DB2 Connection
IBM DB2 Connect Unlimited Edition for System i	IBM Database 2	IBM DB2 Connection

Program name	PID number	Charge unit description
DB2 Connect Unlimited Edition for System z	5724-B62	Per MSU
DB2 Connect Unlimited Edition for System z	5724-B62	Per Host Server
DB2 Connect Unlimited Edition for System z	5724-B62	Per Host Server for Linux on System z
DB2 Connect Unlimited Edition for System z	5724-B62	Per MSU for Linux on System z
IBM DB2 Connect Application Server Advanced Edition	5724-Z19	Per Processor Value Unit (PVU)
IBM DB2 Connect Application Server Advanced Edition	5724-Z19	Per Processor Value Unit for Linux on System z

IBM DB2 Connect Application Server Edition	5724-D54	Per Value Unit
IBM DB2 Connect Application Server Edition	5724-D54	Per Value Unit for Linux on System z
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Authorized User for Linux on System z
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Authorized User
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Floating User Single Installs for Linux on System z
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Floating User Single Installs
IBM DB2 Connect Personal Edition	5724-B56	PA Per Client Device
IBM DB2 Connect Unlimited Advanced Edition for System z	5724-Z18	Per Host Server for Linux on System z
IBM DB2 Connect Unlimited Advanced Edition for System z	5724-Z18	Per Host Server
IBM DB2 Connect Unlimited Advanced Edition for System z	5724-Z18	Per MSU
IBM DB2 Connect Unlimited Advanced Edition for System z	5724-Z18	Per MSU for Linux on System z
IBM DB2 Connect Unlimited Edition for System i	5724-M15	Per Processor Value Unit (PVU)

Charge metrics definitions

Authorized User

Authorized User is a unit of measure by which the program can be licensed. An Authorized User is a unique person who is given access to the program. The program may be installed on any number of computers or servers and each Authorized User may have simultaneous access to any number of instances of the program at one time. Licensee must obtain separate, dedicated entitlements for each Authorized User accessing the program in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means. An entitlement for an Authorized User is unique to that Authorized User and may not be shared, nor may it be reassigned other than for the permanent transfer of the Authorized User entitlement to another person.

Note: Some programs may be licensed where devices are considered users. In that case, the following applies. Any computing device that requests the execution of or receives for execution a set of commands, procedures, or applications from the program or that is otherwise managed by the program is considered a separate user of the program and requires an entitlement as if that device were a person.

If the program is licensed under the Authorized User metric, instead of the number of Authorized Users given access to the program, entitlement requirements for the program are based on the total number of Authorized Users that use the program to connect to a single DB2 for z/OS, DB2 Server for VSE and VM, or DB2 for System i data server either directly or indirectly. If an Authorized User uses the program to connect to more than one data server, an additional Authorized User entitlement for each such additional data server is required.

Floating User Single Install

Floating User Single Install is a unit of measure by which the program can be licensed. A Floating User is a person who is accessing the program at any particular point in time. An Install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. The program may be installed on any number of computers or servers, but if the Floating User simultaneously

accesses more than one Install of the program, the Floating User requires a separate entitlement for each such Install. Licensee must obtain separate entitlements for each Floating User simultaneously accessing the program on each Install in any manner directly or indirectly (for example, via a multiplexing program, device, or application server) through any means.

When licensed under this metric, licensee may not use the DB2 Connect client component(s) to directly access DB2 for z/OS, DB2 Server for VSE and VM, or DB2 for System i data servers. The program must be licensed to a minimum of 25 Floating User Single Installs per Install of the DB2 Connect server component of the program. Under this license, connections to this program are not allowed from web-based applications that rely on connections made through the Internet and/or intranet. When using this program to support applications that use web-based technologies and rely on connections made from Internet or intranet, it must be licensed under the Authorized User metric.

Processor Value Unit (PVU)

PVU is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU Table by processor value, brand, type, and model number at

http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

Licensee can deploy the program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (refer to the webpage below). If using full capacity licensing, licensee must obtain PVU entitlements sufficient to cover all activated processor cores* in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using virtualization capacity licensing, licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at

http://www.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html

* An activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

When licensing DB2 Connect Unlimited Edition for System i, rather than obtaining entitlements for the processor cores available to the program, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores made available to the instances of IBM DB2 for i that is being accessed by the program.

When licensing DB2 Connect Application Server Edition or Application Server Advanced Edition, instead of the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processors cores attached or available to the web servers or application servers that connect to or are capable of connecting to data residing on DB2 for z/OS data servers, DB2 Server for VSE and VM, and DB2 for System i data servers using this program.

Client Device

Client Device is a unit of measure by which the program can be licensed. A Client Device is a single user computing device or special purpose sensor or telemetry device that requests the execution of or receives for execution a set of commands,

procedures, or applications from or provides data to another computer system that is typically referred to as a server or is otherwise managed by the server. Multiple Client Devices may share access to a common server. A Client Device may have some processing capability or be programmable to allow a user to do work. Examples include, but are not limited to actuators, appliances, automated teller machines, automatic meter readers, cash registers, disk drives, desktop computers, kiosks, notebook computers, personal digital assistant, point-of-sale terminals, sensors, smart meters, tape drives, and technical workstations. Licensee must obtain entitlements for every Client Device which runs, provides data to, uses services provided by, or otherwise accesses the program and for every other computer or server on which the program is installed.

This program is licensed for use only on Client Devices (typically workstations). Remote client and other inbound connections to the program are prohibited.

Host Server

Host Server is a unit of measure by which the program can be licensed. Each production DB2 for z/OS subsystem is considered to be a data server, and as such, a Host Server license must be obtained for each production DB2 subsystem that will be accessed with the program. Where the production DB2 subsystem is part of a DB2 Data Sharing Group, only one Host Server entitlement is required for all DB2 subsystems that are a part of the DB2 Data Sharing Group. When multiple independent production DB2 subsystems or multiple production DB2 Data Sharing Groups are used, one Host Server license must be obtained for each independent production DB2 subsystem or DB2 Data Sharing Group. Nonproduction DB2 subsystems or DB2 Data Sharing Groups are included in the associated Host Server licenses for the production DB2 subsystems or DB2 Data Sharing Groups. Licensee must obtain Host Server entitlements for each independent production DB2 for z/OS data server that will be accessed with the program.

Million Service Units (MSU)

Millions of Service Units per Hour (MSU) is a unit of measure by which the program can be licensed. Entitlement requirements are based on the MSU entitlements or the DB2 for z/OS or DB2 Server for VSE and VM. MSU entitlement requirements apply to each DB2 for z/OS subsystem or DB2 Server for VSE and VM database server that the program will be connecting to. Entitlement requirements for this program are based on the total MSU capacity of the attached DB2 for z/OS, or DB2 Server for VSE and VM host system, and is not limited to the number of MSUs that are actually used by the DB2 for z/OS, or DB2 Server for VSE and VM products on that host. Where the DB2 subsystem is part of a DB2 Data Sharing Group, MSUs are based on the MSU entitlements of the entire DB2 Data Sharing Group.

When licensing DB2 Connect Unlimited Edition for System z or DB2 Connect Unlimited Advanced Edition for System z, note that Host Server and MSU entitlements are not alternative means for licensing the program. Licensee must obtain sufficient Host Server entitlements to cover each independent production DB2 for z/OS data server as well as the appropriate number of MSU entitlements to cover the total MSU capacity of all DB2 for z/OS subsystems, DB2 Data Sharing Groups, and DB2 Server for VSE and VM host systems the program will be connecting to.

Passport Advantage program licenses

DB2 CUE for System z

Part description	Part number
DB2 Connect Unlimited Edition for System z	
DB2 Connect Unlimited Edition for Sys z Host Svr Annual SW S&S Rnwl	E1AR9LL
DB2 Connect Unlimited Edition for Sys z Host Svr Lic + SW S&S 12 Mo	D5AR6LL
DB2 Connect Unlimited Edition for Sys z Host Svr SW S&S Reinstate 12 Mo	D5ARALL
DB2 Connect Unlimited Edition for Sys z MSU Lic + SW	D5AQPLL

```
                                               S&S 12 Mo
DB2 Connect Unlimited Edition for Sys z MSU SW S&S      D5AQTLL
 Reinstate 12 Mo
DB2 Connect Unlimited Edition for Sys zMSU Annual SW    E1AQSLL
 S&S Rnwl
```

DB2 Connect Application Server Advanced Edition

```
Part description                                       Part
                                                       number


IBM DB2 Connect Application Server Advanced Edition
DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) E07X4LL
 Annual SW S&S Rnwl
DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) D0BDNLL
 Lic + SW S&S 12 Mo
DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) D0BDPLL
 SW S&S Reinstate 12
```

DB2 Connect Application Server Edition

```
Part description                                       Part
                                                       number


IBM DB2 Connect Application Server Edition
DB2 Connect Application Server Edition Value Unit       E022ILL
 Annual SW S&S Rnwl
DB2 Connect Application Server Edition Value Unit Lic + D55NILL
 SW S&S 12 Mo
DB2 Connect Application Server Edition Value Unit SW    D55NJLL
 S&S Reinstate 12 Mo
```

DB2 Connect Enterprise Edition

```
Part description                                       Part
                                                       number


IBM DB2 Connect Enterprise Edition
DB2 CEE Per 25 Authorized User Annual SW S&S Rnwl       E02K5LL
DB2 CEE Per 25 Authorized User Lic + SW S&S 12 Mo       D58FILL
DB2 CEE Per 25 Authorized User SW S&S Reinstate 12 Mo   D58FJLL
DB2 CEE Per 25 FloatUser Single Instls Annual SW S&S    E02K4LL
 Rnwl
DB2 CEE Per 25 FloatUser Single Instls Lic + SW S&S 12  D58FGLL
 Mo
DB2 CEE Per 25 FloatUser Single Instls SW S&S Reinstate D58FHLL
 12 Mo
```

DB2 Connect Personal Edition

```
Part description                                       Part
                                                       number


IBM DB2 Connect Personal Edition
DB2 Connect Personal Edition per Client Device Annual   E02K3LL
 SW S&S Rnwl
DB2 Connect Personal Edition per Client Device Lic + SW D58FELL
 S&S 12 Mo
DB2 Connect Personal Edition per Client Device SW S&S   D58FFLL
 Reinstate 12 Mo
```

DB2 Connect Unlimited Adv Ed for Sys Z

```
Part description                                       Part
                                                       number


IBM DB2 Connect Unlimited Advanced Edition for System z
DB2 Conn Unltd Adv Ed Sys z Per Host Server Annual SW   E07X0LL
 S&S Rnwl
DB2 Conn Unltd Adv Ed Sys z Per Host Server Lic + SW    D0BDDLL
 S&S 12 Mo
DB2 Conn Unltd Adv Ed Sys z Per Host Server SW S&S      D0BDELL
 Reinstate 12 Mo
```

```
DB2 Conn Unltd Adv Ed Sys z Per MSU Annual SW S&S Rnwl    E07X2LL
DB2 Conn Unltd Adv Ed Sys z Per MSU Lic + SW S&S 12 Mo    D0BDHLL
DB2 Conn Unltd Adv Ed Sys z Per MSU SW S&S Reinstate 12   D0BDILL
 Mo
```

DB2 Connect Unlimited Edition for System i

Part description	Part number
IBM DB2 Connect Unlimited Edition for System i	
DB2 Connect Unlimited Ed for System i PVU Annual SW S&S Rnwl	E02JDLL
DB2 Connect Unlimited Ed for System i PVU Lic + SW S&S 12 Mo	D58B8LL
DB2 Connect Unlimited Ed for System i PVU SW S&S Reinstate 12 Mo	D58B9LL

Passport Advantage trade-up licenses

DB2 Connect Application Server Advanced Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Connect Application Server Advanced Edition		
IBM DB2 Connect Application Server Edition	DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) Trade Up Lic + SW S	D0BDQLL

DB2 Connect Unlimited Adv Ed for Sys Z

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Connect Unlimited Advanced Edition for System z		
DB2 Connect Unlimited Edition for zSeries®	DB2 Conn Unltd Adv Ed Sys z Per Host Server Trade Up Lic + SW S&S 12 Mo	D0BYVLL
DB2 Connect Unlimited Edition for zSeries	DB2 Conn Unltd Adv Ed Sys z Per MSU Trade Up Lic + SW S&S 12 Mo	D0BDJLL

Passport Advantage supply

Program name/description	Part number
DB2 CEE V10.1.0	
DB2 Connect 10.1 Enterprise Edition Multiplatform Multilingual Media Pack	BB1AJML
DB2 CUE for iSeries V10.1.0	
DB2 Connect 10.1 Unlimited Ed for System i Multiplatform ML Media Pack	BB1AKML
DB2 Conn App Svr Adv Ed V10.1.0	
DB2 Connect 10.1 Application Svr Advanced Ed Multiplatfm ML Media Pack	BB1AIML
DB2 Conn Unltd Adv Ed Sys z V10.1.0	
DB2 Connect 10.1 Unlimited Advanced Ed System z Multiplatfm ML Media Pack	BB1AMML
DB2 Connect App Server V10.1.0	
DB2 Connect 10.1 Application Server Edition Multiplatform ML Media Pack	BB1AHML
DB2 Connect PE V10.1.0	
DB2 Connect 10.1 Personal Edition Multiplatform Multilingual Media Pack	BB1AYML
DB2 Connect UE V10.1.0	

```
DB2 Connect 10.1 Unlimited Ed System z Multiplatform ML   BB1ALML
  Media Pack
```

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 App Server V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2ConnectApplicationServer EdforLinuxonSystemzValueUnit	DB2 Connect 10.1 Application Server Edition Multiplatform ML Media Pack	BB1AHML
DB2ConnectApplicationSvrValueUnit	DB2 Connect 10.1 Application Server Edition Multiplatform ML Media Pack	BB1AHML

DB2 Connect PE V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Connect Personal Edition per Client Device	DB2 Connect 10.1 Personal Edition Multiplatform Multilingual Media Pack	BB1AYML

DB2 Connect UE V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 CONN UNLIM EDITION Sys z MSU	DB2 Connect 10.1 Unlimited Ed System z Multiplatform ML Media Pack	BB1ALML
DB2 CONNECT UNLIMTD ED System z 1 HOST SERVR	DB2 Connect 10.1 Unlimited Ed System z Multiplatform ML Media Pack	BB1ALML
DB2 Connect Unlimited Edition zLinux Host Server	DB2 Connect 10.1 Unlimited Ed System z Multiplatform ML Media Pack	BB1ALML
DB2 Connect Unlimited Edition zLinux MSU	DB2 Connect 10.1 Unlimited Ed System z Multiplatform ML Media Pack	BB1ALML

DB2 Conn Unltd Adv Ed Sys z V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBMDB2ConnectUnlimitedAdvan cedEditionPerHostServer	DB2 Connect 10.1 Unlimited Advanced Ed System z Multiplatfm ML Media Pack	BB1AMML
IBMDB2ConnectUnlimitedAdvan cedEditionPerHostServerforL inuxonSystemz	DB2 Connect 10.1 Unlimited Advanced Ed System z Multiplatfm ML Media Pack	BB1AMML
IBMDB2ConnectUnlimitedAdvan cedEditionPerMillionService Units	DB2 Connect 10.1 Unlimited Advanced Ed System z Multiplatfm ML Media Pack	BB1AMML
IBMDB2ConnectUnlimitedAdvan cedEditionPerMillionService UnitsforLinuxonS ystemz	DB2 Connect 10.1 Unlimited Advanced Ed System z Multiplatfm ML Media Pack	BB1AMML

DB2 CEE V10.1.0

Entitled maintenance offerings description	Media packs description	Part number

IBM DB2 Connect Enterprise Edition 25 Floating User Single Install for Linux on z	DB2 Connect 10.1 Enterprise Edition Multiplatform Multilingual Media Pack	BB1AJML
IBM DB2 Connect Enterprise Edition per 25 Authorized Users	DB2 Connect 10.1 Enterprise Edition Multiplatform Multilingual Media Pack	BB1AJML
IBM DB2 Connect Enterprise Edition per 25 Authorized Users for Linux on z	DB2 Connect 10.1 Enterprise Edition Multiplatform Multilingual Media Pack	BB1AJML
IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install	DB2 Connect 10.1 Enterprise Edition Multiplatform Multilingual Media Pack	BB1AJML

DB2 CUE for iSeries V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2ConnectUnlimitedEditionf orSystemiperManagedValueUni t	DB2 Connect 10.1 Unlimited Ed for System i Multiplatform ML Media Pack	BB1AKML

DB2 Conn App Svr Adv Ed V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBMDB2ConnectApplicationSer verAdvancedEditionPerProces sorValueUnit	DB2 Connect 10.1 Application Svr Advanced Ed Multiplatfm ML Media Pack	BB1AIML
IBMDB2ConnectApplicationSer verAdvancedEditionPerProces sorValueUnitLinu xonSystemz	DB2 Connect 10.1 Application Svr Advanced Ed Multiplatfm ML Media Pack	BB1AIML

Cross-platform products

Cross-platform products for use on System z

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

Cross-platform product for use on System z IFL engines

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

DB2 CUE for System z

Part description	Part number
DB2 Connect Unlimited Edition for System z	
DB2 Connect Unlimited Ed for Sys z Host Svr on zLnx Annual SW S&S Rnwl	E005DLL
DB2 Connect Unlimited Ed for Sys z Host Svr on zLnx Lic	D50MQLL

```
            + SW S&S 12 Mo
DB2 Connect Unlimited Ed for Sys z Host Svr on zLnx SW      D50MVLL
 S&S Reinstate12 Mo
DB2 Connect Unlimited Ed for Sys z MSU on zLnx Annual       E005FLL
 SW S&S Rnwl
DB2 Connect Unlimited Ed for Sys z MSU on zLnx Lic + SW     D50N0LL
 S&S 12 Mo
DB2 Connect Unlimited Ed for Sys z MSU on zLnx SW S&S       D50N4LL
 Reinstate 12 Mo
```

DB2 Connect Application Server Advanced Edition

Part description	Part number
IBM DB2 Connect Application Server Advanced Edition	
DB2 Conn App Svr Adv Ed Per Proc VU for Lin Sys z Annual SW S&S Rnwl	E07X5LL
DB2 Conn App Svr Adv Ed Per Proc VU for Lin Sys z Lic + SW S&S 12 Mo	D0BDRLL
DB2 Conn App Svr Adv Ed Per Proc VU for Lin Sys z SW S&S Reinstate 12 Mo	D0BDSLL

DB2 Connect Application Server Edition

Part description	Part number
IBM DB2 Connect Application Server Edition	
DB2 Connect Appl Svr Ed for Linux on Sys z Value Unit Annual SW S&S Rnwl	E022JLL
DB2 Connect Appl Svr Ed for Linux on Sys z Value Unit Lic + SW S&S 12 Mo	D55NKLL
DB2 Connect Appl Svr Ed for Linux on Sys z Value Unit SW S&S Reinstate 12Mo	D55NLLL

DB2 Connect Enterprise Edition

Part description	Part number
IBM DB2 Connect Enterprise Edition	
DB2 CEE Per 25 Aut Us for Lin on Sys z Annual SW S&S Rnwl	E02KMLL
DB2 CEE Per 25 Aut Us for Lin on Sys z Lic + SW S&S 12 Mo	D58H9LL
DB2 CEE Per 25 Aut Us for Lin on Sys z SW S&S Reinstate 12 Mo	D58HCLL
DB2 CEE Per 25 FloatUser SngIn LIN Sys z Annual SW S&S Rnwl	E02K7LL
DB2 CEE Per 25 FloatUser SngIn LIN Sys z Lic + SW S&S 12 Mo	D58FMLL
DB2 CEE Per 25 FloatUser SngIn LIN Sys z SW S&S Reinstate 12 Mo	D58FNLL

DB2 Connect Unlimited Adv Ed for Sys Z

Part description	Part number
IBM DB2 Connect Unlimited Advanced Edition for System z	
DB2 Conn Unltd Adv Ed Sys z Per Host Ser Lin Sys z SW S&S Reinstate 12 Mo	D0BDGLL
DB2 Conn Unltd Adv Ed Sys z Per Host Ser for Lin Sys z Annual SW S&S Rnwl	E07X1LL
DB2 Conn Unltd Adv Ed Sys z Per Host Ser for Lin Sys z Lic + SW S&S 12 Mo	D0BDFLL
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on Sys z SW S&S Reinstate 12 Mo	D0BDLLL
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on System z Annual SW S&S Rnwl	E07X3LL
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on System z Lic + SW S&S 12 Mo	D0BDKLL

Trade-up licenses for cross-platform products

DB2 Connect Application Server Advanced Edition

```
Precursor product           Trade-up product          Part
                                                      number


IBM DB2 Connect
 Application Server
 Advanced Edition
IBM DB2 Connect             DB2 Conn App Svr Adv Ed    D0BDTLL
 Application Server Edition  Per Proc VU for Lin Sys z
                            Trade Up Lic + SW S&S 12
```

DB2 Connect Unlimited Adv Ed for Sys Z

```
Precursor product           Trade-up product          Part
                                                      number


IBM DB2 Connect Unlimited
 Advanced Edition for
 System z
DB2 Connect Unlimited       DB2 Conn Unltd Adv Ed Sys  D0BYULL
 Edition for zSeries         z Per Host Ser Lin Sys z
                            TrdUp Lic + SW S&S 12 Mo
DB2 Connect Unlimited       DB2 Conn Unltd Adv Ed Sys  D0BDMLL
 Edition for zSeries         z Per MSU Linx Sys z Trd
                            Up Lic + SW S&S 12 Mo
```

Terms and conditions

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

Licensing

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

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 Subscription and Support (also referred to as Software Maintenance).

License Information form numbers

```
Program name                          Program    Form number
                                      number


DB2 CUE for System z                  5724-B62   L-VACA-8NGV74
DB2 Connect Application Server Advanced 5724-Z19  L-VACA-8QVNSQ
 Edition
DB2 Connect Application Server Edition 5724-D54   L-VACA-8N9LUW
DB2 Connect Enterprise Edition        5765-F30   L-VACA-8N9MRD
DB2 Connect Personal Edition          5724-B56   L-VACA-8N8MXK
DB2 Connect Unlimited Adv Ed for Sys Z 5724-Z18  L-VACA-8QVV7C
DB2 Connect Unlimited Edition for System 5724-M15 L-VACA-8N9SMT
 i
```

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

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

http://www.ibm.com/support/handbook

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

Program technical support

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

Money-back guarantee

For clarification, note that if for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

International Passport Agreement

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

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

Software Subscription and Support applies

Yes. Software Subscription and Support is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Handbook at

   http://www.ibm.com/support/handbook

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage website at

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

Other terms

System i Software Maintenance applies

No

Educational allowance available

Education allowance does not apply.

Education software allowance does not apply.

Special education prices are available for qualified customers through Passport Advantage.

Statement of good security practices

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

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

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

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

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