IBM DB2 Connect 10.5 for Linux , UNIX , and Windows improves connectivity, application deployment, high availability, and security features

At a glance

IBM® DB2 Connect™ V10.5 includes:

- High availability and performance enhancements
- New driver capabilities, including improvements to application development
- Ease of deployment

Overview

IBM DB2 Connect 10.5 helps improve connectivity, ease of application deployment, high availability, and security. It is designed to manage 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 delivers application enablement and a robust, highly scalable communications infrastructure for connecting web, Windows™ , UNIX™ , and Linux™ applications to data.

DB2 Connect 10.5 Application Server Advanced Edition and DB2 Connect 10.5 Unlimited Advanced Edition for System z® enhance your IT staff's ability to depend on the security and reliability of existing DB2 server investments, use 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 , you can 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, IBM Data Studio can capture and display key performance metrics and correlation metadata.

DB2 Connect 10.5 includes IBM Data Studio V4.1, 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.

DB2 Connect integrates IBM System z , IBM i, and other enterprise data with client/server, web, and service-oriented architecture (SOA) applications. It delivers significant feature enhancements to improve programmer productivity, deliver 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. DB2 Connect 10.5 introduces a unified debugger, rapid application deployment with a lightweight runtime client, and many other features that help you 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 10.5 federation capabilities add support for two-phase commit capabilities for multivendor data sources.

DB2 Connect helps you reduce administration costs with advances in performance, manageability, and installation.

With features such as server-based license activation in Unlimited Editions for System z and IBM i, nonadministrator installation on Windows , response file installation enhancements, and support for coexistence of multiple copies of the DB2 database system, DB2 Connect 10.5 enables 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

June 14, 2013: Electronic availability

July 26, 2013: 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 Availability of national languages section for national language availability.

Description

IBM DB2 Connect V10.5 delivers fast and robust connectivity to IBM DB2 databases deployed on either IBM System z or IBM i. DB2 Connect includes several 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 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 i servers.

DB2 Connect 10.5 enables client applications to create, access, update, control, and manage DB2 databases on host systems using:

- SQL
- DB2 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

High availability and performance enhancements

The automatic client reroute feature enables an IBM Data Server Client application to recover from a loss of communications so that the application can continue its work with minimal interruption. As the name suggests, rerouting is central to the support of continuous operations. But rerouting is only possible when there is an alternate location that is identified to the client connection.

New driver capabilities

- NET 5.0 framework includes Entity Framework
- Support for date, time, decimal format, and separator enables better portability of applications using IBM I Client Access to DB2 Connect .
- Global SSL and certificate properties make it easier to set up SSL authentication to DB2 for z/OS for applications using the JCC driver.
- Support for DECFLOAT data type in embedded SQL enables clients on AIX® platforms connecting to DB2 for z/OS to use high-precision decimal type in embedded SQL.
- Support for DB2 for Linux , UNIX , and Windows CODEUNIT 32 gives applications the flexibility to use variable-byte characters in their applications.

Ease of deployment

Server-based license activation in Unlimited Editions for System i® enables easy centralized deployment. To establish direct client connections to DB2 for IBM i, the DB2 Connect Unlimited Edition for System i license key can now be activated on the DB2 for IBM i. Activating the license key on a DB2 for IBM i server can take less time than activating the key on each client computer, and offers convenient centralized deployment and license validation.

Product positioning

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 includes program code of DB2 Connect Unlimited Edition for System z (which contains program code identical to

Enterprise Edition as well as DB2 Connect Application Server Edition for unlimited deployment throughout an organization), 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, which is included, offers further improved performance and enhanced application security features.

DB2 Connect Unlimited Advanced Edition for System z licenses are based on the number of production DB2 subsystems or production DB2 data sharing groups, and the capacity available to production and nonproduction DB2 for z/OS data servers (measured in MSUs). They 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 Advanced Edition for System z an ideal choice for organizations where

multiple applications are using 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 use web technologies, and pureQuery technology in conjunction with DB2 Connect . The pureQuery technology, which is included, is meant to offer further improved performance and enhanced application security features. 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 (measured in PVU) 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 x 2 x 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 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 includes program code of the DB2 Connect Enterprise 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 nonproduction 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 for System z an ideal choice for organizations where multiple applications are using 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 includes program code of the DB2 Connect Enterprise 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 (measured in PVU) 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 using DB2 Connect or organizations with a mix of two-tier, multitier client/server, and web-based applications.

DB2 Connect Application Server Edition

DB2 Connect Application Server Edition is identical to the DB2 Connect Enterprise Edition in its technology. 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 use 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 (measured in PVU) 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 x 2 x 2 = 12 processor cores) for the DB2 Connect Application Server Edition, regardless of how many CPUs DB2 Connect is running on.

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 DB2 on System z and System i . DB2 client software is deployed on desktop systems and includes API drivers that connect client/server applications running on these desktop systems to a DB2 server. Designed to offer connectivity for client/server applications in large-scale, demanding environments, the optional DB2 Connect server component enables 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 ; DB2 for z/OS ; and DB2 for i or Informix® databases via a single consolidated view.

DB2 Connect Enterprise Edition licensing terms help address 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 are offered: Floating User Single Install and Authorized User. Licensing based on floating users can be used only 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.

Availability of national languages

```
Product description        Language        GA date

DB2 CEE V10.5.0            Multilingual    July 26, 2013
                           (Portuguese,
                           French,
                           Danish,
                           Russian,
                           Korean,
                           Chinese -
                           Simplified,
                           Spanish,
                           Norwegian
                           Bokmal,
                           Portuguese-Brazilian,
                           Croatian,
                           German,
                           Swedish,
                           Japanese,
                           Chinese -
                           Traditional,
                           Hungarian,
                           Bulgarian,
                           English,
```

	Romanian, Slovenian, Turkish, Dutch, Czech, Slovakian, Italian, Finnish, Polish)	
DB2 CUE for iSeries® V10.5.0	Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese - Simplified, Spanish, Norwegian Bokmal, Portuguese-Brazilian, Croatian, German, Swedish, Japanese, Chinese - Traditional, Hungarian, Bulgarian, English, Romanian, Slovenian, Turkish, Dutch, Czech, Slovakian, Italian, Finnish, Polish)	July 26, 2013
DB2 Conn App Svr Adv Ed V10.5.0	Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese - Simplified, Spanish, Norwegian Bokmal, Portuguese-Brazilian, Croatian, German, Swedish, Japanese, Chinese - Traditional, Hungarian, Bulgarian, English, Romanian, Slovenian, Turkish, Dutch, Czech, Slovakian, Italian, Finnish, Polish)	July 26, 2013
DB2 Conn Unltd Adv Ed Sys z V10.5.0	Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese - Simplified,	July 26, 2013

	Spanish, Norwegian Bokmal, Portuguese-Brazilian, Croatian, German, Swedish, Japanese, Chinese - Traditional, Hungarian, Bulgarian, English, Romanian, Slovenian, Turkish, Dutch, Czech, Slovakian, Italian, Finnish, Polish)	
DB2 Connect App Server V10.5.0	Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese - Simplified, Spanish, Norwegian Bokmal, Portuguese-Brazilian, Croatian, German, Swedish, Japanese, Chinese - Traditional, Hungarian, Bulgarian, English, Romanian, Slovenian, Turkish, Dutch, Czech, Slovakian, Italian, Finnish, Polish)	July 26, 2013
DB2 Connect UE V10.5.0	Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese - Simplified, Spanish, Norwegian Bokmal, Portuguese-Brazilian, Croatian, German, Swedish, Japanese, Chinese - Traditional, Hungarian, Bulgarian, English, Romanian, Slovenian, Turkish,	July 26, 2013

```
                          Dutch, Czech,
                          Slovakian,
                          Italian,
                          Finnish,
                          Polish)
```

Program number

```
Program      VRM                      Program name
number

5724-B62     10.5.0                   DB2 Connect Unlimited
                                       Edition for System z
5724-Z19     10.5.0                   IBM DB2 Connect
                                       Application Server
                                       Advanced Edition
5724-D54     10.5.0                   IBM DB2 Connect
                                       Application Server Edition
5765-F30     10.5.0                   IBM DB2 Connect Enterprise
                                       Edition
5724-Z18     10.5.0                   IBM DB2 Connect Unlimited
                                       Advanced Edition for
                                       System z
5724-M15     10.5.0                   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 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 Microsoft 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.
- For 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 Announcement ZG12-0077, dated April 3, 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, which 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 server editions	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	1024 MB (1)
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
IBM Data Server Runtime Client	175 MB
IBM Data Server Client	500 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 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) 6 on 32-bit AMD and Intel x86 systems
- SUSE Linux Enterprise Server (SLES) 10 and 11 on 32-bit AMD and Intel x86 systems
- RHEL 6 on 64-bit AMD and Intel x64 systems
- SLES 10 and 11 on 64-bit AMD and Intel x64 systems
- RHEL 6 on 64-bit System z [4]
- SLES 10 and 11 on 64-bit System z [4]
- RHEL 6 on 64-bit System p [4]
- SLES 10 and 11 on 64-bit System p [4]
- Ubuntu 8.0.4.1

Windows

- Windows Desktop - Microsoft™ Windows 7 and Windows 8 For Windows 7: Professional, Enterprise, Ultimate, 32 bit and 64 bit[3]
- Windows Server - 2008 R2, Windows 2012 using Standard, Enterprise, and Datacenter Editions 64 bit

IBM AIX 64-bit POWER® processor

- AIX V6.1
- AIX V7.1

HP-UX : HP-UX 11i -IA64 v3 for 64-bit HP Integrity servers (Itanium-based systems)[4]

Solaris

- Solaris 10 for UltraSPARC servers[4]
- Solaris 10 for x64 servers[4]

4 Supported for all DB2 Connect server

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 10.5 Application Server Edition - PVU

Media:

- IBM DB2 Connect 10.5 Application Server Edition - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect 10.5 Server DVDs
- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.5 DVDs
- IBM Data Server Driver Package 10.5 DVDs
- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli® System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries® V7.5 DVDs
- IBM Data Studio V4.1 DVDs

IBM DB2 Connect 10.5 Application Server Advanced Edition - PVU

Media:

- IBM DB2 Connect 10.5 Application Server Advanced Edition - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect Server 10.5 DVDs
- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.5 DVDs
- IBM Data Server Driver Package 10.5 DVDs

- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.5 DVDs
- IBM Data Studio V4.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for Linux, UNIX, and Windows V3.3 DVDs

IBM DB2 Connect 10.5 Enterprise Edition - Authorized User and Float User Single Install Options

Media:

- IBM DB2 Connect 10.5 Enterprise Edition - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect 10.5 Server DVDs
- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.5 DVDs
- IBM Data Server Driver Package 10.5 DVDs
- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.5 DVDs
- IBM Data Studio V4.1 DVDs

IBM DB2 Connect 10.5 Unlimited Edition for System i - PVU

Media:

- IBM DB2 Connect 10.5 Unlimited Edition for System i - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect 10.5 Server DVDs
- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.5 DVDs
- IBM Data Server Driver Package 10.5 DVDs
- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.5 DVDs
- IBM Data Studio V4.1 DVDs

IBM DB2 Connect 10.5 Unlimited Edition for System z - Host Server and Millions of Service Units per Hour (MSU) Options

Media:

- IBM DB2 Connect 10.5 Unlimited Edition for System z - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect 10.5 Server DVDs

- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.5 DVDs
- IBM Data Server Driver Package 10.5 DVDs
- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.5 DVDs
- IBM Data Studio V4.1 DVDs

IBM DB2 Connect 10.5 Unlimited Advanced Edition for System z - Host Server and Millions of Service Units per Hour (MSU) Options

Media:

- IBM DB2 Connect 10.5 Unlimited Advanced Edition for System z - Quick Start and Activation DVD
- IBM DB2 10.5, Information Center DVDs
- IBM DB2 10.5, PDF documentation DVD
- IBM DB2 Connect 10.5 Server DVDs
- IBM Data Server Runtime Client 10.5 DVDs
- IBM Data Server Client 10.1 DVDs
- IBM Data Server Driver Package 10.5 DVDs
- IBM DB2 10.5 Support Files for SSL Functionality DVD
- IBM DB2 10.5 Support Files for Advanced Copy Services Functionality DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V4.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for Linux, UNIX, and Windows V3.3 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 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 Host Server for Linux on System z
DB2 Connect Unlimited Edition for System z	5724-B62	Per Host Server
DB2 Connect Unlimited Edition for System z	5724-B62	Per MSU for Linux on System z
DB2 Connect Unlimited Edition for System z	5724-B62	Per MSU
IBM DB2 Connect Application Server Advanced Edition	5724-Z19	Per Processor Value Unit for Linux on System z
IBM DB2 Connect Application Server Advanced Edition	5724-Z19	Per Processor Value Unit (PVU)
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
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 Enterprise Edition	5765-F30	Per 25 Authorized User for Linux on System z
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 an 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.

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

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 and the number of processors made available to the program. This is 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

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 web page below). If using full capacity licensing, licensee must obtain PVU entitlements sufficient to cover all activated processor cores[5] 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_sp ecific_virtualization_technologies.html

---

5 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.

Notes :

- Some programs may require licenses for the program and what is being managed. In that case, the following applies: In addition to the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- Some programs may be licensed on a managed basis only. In that case, the following applies. Instead of the entitlements required for the program directly,

licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies. Rather than obtaining entitlements for the activated processor cores available to the program, licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

Client Device

Client Device is the unit of measure by which this program is licensed. 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. A Proof of Entitlement (PoE) must be obtained for each Client Device accessing the program in any manner on each and every single computer or server where the program is installed.

Examples include, but are not limited to appliances, automated teller machines, cash registers, desktop computers, kiosks, notebook computers, personal digital assistant, point-of-sale terminals, and technical workstations.

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 S&S 12 Mo	D5AQPLL
DB2 Connect Unlimited Edition for Sys z MSU SW S&S Reinstate 12 Mo	D5AQTLL
DB2 Connect Unlimited Edition for Sys zMSU Annual SW S&S Rnwl	E1AQSLL

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) Annual SW S&S Rnwl	E07X4LL
DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D0BDNLL
DB2 Conn App Svr Adv Ed Per Processor Value Unit (PVU) SW S&S Reinstate 12	D0BDPLL

DB2 Connect Application Server Edition

Part description	Part number
IBM DB2 Connect Application Server Edition	
DB2 Connect Application Server Edition Value Unit Annual SW S&S Rnwl	E022ILL
DB2 Connect Application Server Edition Value Unit Lic + SW S&S 12 Mo	D55NILL

```
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 Rnwl	E02K4LL
DB2 CEE Per 25 FloatUser Single Instls Lic + SW S&S 12 Mo	D58FGLL
DB2 CEE Per 25 FloatUser Single Instls SW S&S Reinstate 12 Mo	D58FHLL

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 S&S Rnwl	E07X0LL
DB2 Conn Unltd Adv Ed Sys z Per Host Server Lic + SW S&S 12 Mo	D0BDDLL
DB2 Conn Unltd Adv Ed Sys z Per Host Server SW S&S Reinstate 12 Mo	D0BDELL
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 Mo	D0BDILL

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        DB2 Conn Unltd Adv Ed Sys   D0BYVLL
  Edition for zSeries®         z Per Host Server Trade Up
                              Lic + SW S&S 12 Mo
DB2 Connect Unlimited        DB2 Conn Unltd Adv Ed Sys   D0BDJLL
  Edition for zSeries         z Per MSU Trade Up Lic +
                              SW S&S 12 Mo
```

Passport Advantage supply

```
Program name/description                               Part
                                                       number


DB2 CEE V10.5.0
DB2 CEE Ubuntu,Linux for System i Integrated Mid-Market  BB1EEML
  Business Servers,A
DB2 CUE for iSeries V10.5.0
DB2 CUE for iSeries Ubuntu,Linux for System i          BB1EGML
  Integrated Mid-Market Busine
DB2 Conn App Svr Adv Ed V10.5.0
DB2 Conn App Svr Adv Ed Ubuntu,Linux for System i      BB1EDML
  Integrated Mid-Market Bu
DB2 Conn Unltd Adv Ed Sys z V10.5.0
DB2 Conn Unltd Adv Ed Sys z Ubuntu,AIX 6,Windows 7     BB1EIML
  Professional,Windows 8
DB2 Connect App Server V10.5.0
DB2 Connect App Server Ubuntu,Linux for System i       BB1ECML
  Integrated Mid-Market Bus
DB2 Connect UE V10.5.0
DB2 Connect UE Ubuntu,AIX 6,Windows 8 Pro,Solaris x86  BB1EHML
  Platform Edition (Su
```

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 V10.5.0

```
Entitled maintenance        Media packs description     Part
offerings description                                   number

DB2ConnectApplicationServer DB2 Connect App Server      BB1ECML
  EdforLinuxonSystemzValueUni Ubuntu,Linux for System i
  t                           Integrated Mid-Market Bus
DB2ConnectApplicationSvrVal DB2 Connect App Server      BB1ECML
  ueUnit                      Ubuntu,Linux for System i
                              Integrated Mid-Market Bus
```

DB2 Connect UE V10.5.0

```
Entitled maintenance        Media packs description     Part
offerings description                                   number

DB2 CONN UNLIM EDITION Sys  DB2 Connect UE Ubuntu,AIX   BB1EHML
  z MSU                       6,Windows 8 Pro,Solaris
                              x86 Platform Edition (Su
DB2 CONNECT UNLIMTD ED      DB2 Connect UE Ubuntu,AIX   BB1EHML
  System z 1 HOST SERVR       6,Windows 8 Pro,Solaris
                              x86 Platform Edition (Su
DB2 Connect Unlimited       DB2 Connect UE Ubuntu,AIX   BB1EHML
  Edition zLinux Host Server  6,Windows 8 Pro,Solaris
                              x86 Platform Edition (Su
DB2 Connect Unlimited       DB2 Connect UE Ubuntu,AIX   BB1EHML
  Edition zLinux MSU          6,Windows 8 Pro,Solaris
                              x86 Platform Edition (Su
```

DB2 Conn Unltd Adv Ed Sys z V10.5.0

```
Entitled maintenance        Media packs description     Part
offerings description                                   number

IBMDB2ConnectUnlimitedAdvan DB2 Conn Unltd Adv Ed Sys   BB1EIML
```

```
   cedEditionPerHostServer       z Ubuntu,AIX 6,Windows 7
                                 Professional,Windows 8
IBMDB2ConnectUnlimitedAdvan DB2 Conn Unltd Adv Ed Sys    BB1EIML
 cedEditionPerHostServerforL z Ubuntu,AIX 6,Windows 7
 inuxonSystemz               Professional,Windows 8
IBMDB2ConnectUnlimitedAdvan DB2 Conn Unltd Adv Ed Sys    BB1EIML
 cedEditionPerMillionService z Ubuntu,AIX 6,Windows 7
 Units                       Professional,Windows 8
IBMDB2ConnectUnlimitedAdvan DB2 Conn Unltd Adv Ed Sys    BB1EIML
 cedEditionPerMillionService z Ubuntu,AIX 6,Windows 7
 UnitsforLinuxonS ystemz     Professional,Windows 8
```

DB2 CEE V10.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Connect Enterprise Edition 25 Floating User Single Install for Linux on z	DB2 CEE Ubuntu,Linux for System i Integrated Mid-Market Business Servers,A	BB1EEML
IBM DB2 Connect Enterprise Edition per 25 Authorized Users	DB2 CEE Ubuntu,Linux for System i Integrated Mid-Market Business Servers,A	BB1EEML
IBM DB2 Connect Enterprise Edition per 25 Authorized Users for Linux on z	DB2 CEE Ubuntu,Linux for System i Integrated Mid-Market Business Servers,A	BB1EEML
IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install	DB2 CEE Ubuntu,Linux for System i Integrated Mid-Market Business Servers,A	BB1EEML

DB2 CUE for iSeries V10.5.0

Entitled maintenance offerings description	Media packs description	Part number
DB2ConnectUnlimitedEditionf orSystemiperManagedValueUni t	DB2 CUE for iSeries Ubuntu,Linux for System i Integrated Mid-Market Busine	BB1EGML

DB2 Conn App Svr Adv Ed V10.5.0

Entitled maintenance offerings description	Media packs description	Part number
IBMDB2ConnectApplicationSer verAdvancedEditionPerProces sorValueUnit	DB2 Conn App Svr Adv Ed Ubuntu,Linux for System i Integrated Mid-Market Bu	BB1EDML
IBMDB2ConnectApplicationSer verAdvancedEditionPerProces sorValueUnitLinu xonSystemz	DB2 Conn App Svr Adv Ed Ubuntu,Linux for System i Integrated Mid-Market Bu	BB1EDML

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 and/or zEnterprise BladeCenter Extension

Order the part numbers that follow when the product is intended to run on the zEnterprise® BladeCenter® Extension and/or Linux operating system on System z IFL engines. If the product is not intended to run in these environments, 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 + SW S&S 12 Mo	D50MQLL
DB2 Connect Unlimited Ed for Sys z Host Svr on zLnx SW S&S Reinstate12 Mo	D50MVLL
DB2 Connect Unlimited Ed for Sys z MSU on zLnx Annual SW S&S Rnwl	E005FLL
DB2 Connect Unlimited Ed for Sys z MSU on zLnx Lic + SW S&S 12 Mo	D50N0LL
DB2 Connect Unlimited Ed for Sys z MSU on zLnx SW S&S Reinstate 12 Mo	D50N4LL

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          D58FNLL
 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 Ser Lin Sys z SW   D0BDGLL
 S&S Reinstate 12 Mo
DB2 Conn Unltd Adv Ed Sys z Per Host Ser for Lin Sys z  E07X1LL
 Annual SW S&S Rnwl
DB2 Conn Unltd Adv Ed Sys z Per Host Ser for Lin Sys z  D0BDFLL
 Lic + SW S&S 12 Mo
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on Sys z SW   D0BDLLL
 S&S Reinstate 12 Mo
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on System z   E07X3LL
 Annual SW S&S Rnwl
DB2 Conn Unltd Adv Ed Sys z Per MSU Linux on System z   D0BDKLL
 Lic + SW S&S 12 Mo
```

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-93XPQ2
DB2 Connect Application Server Advanced 5724-Z19   L-VACA-93XP6E
 Edition
DB2 Connect Application Server Edition  5724-D54   L-VACA-93XMZH
DB2 Connect Enterprise Edition          5765-F30   L-VACA-93XPB4
DB2 Connect Unlimited Adv Ed for Sys Z  5724-Z18   L-VACA-93XPLU
DB2 Connect Unlimited Edition for System 5724-M15  L-VACA-93XPGR
 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 programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

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

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 .

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

Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support all at no additional cost to you.

Now integrated into the base operating system of AIX 5.3, AIX 6.1, and AIX 7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM , which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type "smitty esa_main", and select "Configure Electronic Service Agent ." In addition, ESA now includes a powerful Web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent , refer to

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

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

Benefits

Increased uptime The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the "symptoms," diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

Security

The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM . The Electronic Service Agent tool securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM . The customer's business applications or business data is never transmitted to IBM .

More accurate reporting

Since system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, customers are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM , problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

Customized support

Using the IBM ID entered during activation, customers can view system and support information in the "My Systems" and "Premium Search" sections of the Electronic Support Web site at

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

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent . Reports are available for any system associated with the customer's IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, customers are able to see search results that apply specifically to their systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

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

Prices

Passport Advantage

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

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

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM , you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller/emea/channelannounc ement

Announcement countries

All European, Middle Eastern, and African countries except Iran, Sudan, and Syria.

Trademarks

DB2 Connect, pureQuery, Optim and Electronic Service Agent are trademarks of IBM Corporation in the United States, other countries, or both.

IBM, DB2, z/OS, System z, AIX, System i, InfoSphere, WebSphere, Informix, iSeries, Passport Advantage, System p, POWER, Express, Tivoli, MQSeries, zSeries,

zEnterprise and BladeCenter are registered trademarks of IBM Corporation in the United States, other countries, or both.

Windows and Microsoft are trademarks of Microsoft Corporation in the United States, other countries, or both.

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

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

Intel, Pentium and Intel Xeon are trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only. Reference to other products in this announcement does not necessarily imply those products are announced, or intend to be announced, in your country. Additional terms of use are located at:

http://www.ibm.com/legal/us/en/

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

http://www.ibm.com/planetwide/