



# IBM DB2 10.1 for Linux , UNIX , and Windows makes it easier for you to develop database applications, and helps you speed your database application deployment

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## At a glance

IBM® DB2® 10.1 for Linux™, UNIX™, and Windows™ (LUW) reduces your overall database licensing, administration, and storage costs. DB2 10.1 for LUW offers:

- PL/SQL compatibility, integrated time-based analytics, and SPARQL support for new "no SQL" applications, helping to speed up application development
- Simplified administration and optimal use of your data storage resources with multi-temperature storage
- Extreme scalability and availability with DB2 pureScale®
- Adaptive compression, helping to lower storage
- Flexible definitions of role and data access control, helping you improve security
- A suite of complementary products to manage database performance, deployment, administration, monitoring, and availability that is included in the DB2 Advanced Enterprise Server Edition

For ordering, contact your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: YE001

## Overview

IBM DB2 10.1 for Linux, UNIX, and Windows (LUW) delivers new capabilities that can help you save time and money. DB2 10.1 can help you reduce the complexity of management, improve the productivity of your developers and database administrators, ease the effort and expense of deploying new applications, and take advantage of query performance and compression improvements to help lower your overall data management cost.

DB2 10.1 LUW offers greater management efficiency. Multi-temperature storage helps you to leverage different types of storage to maximize performance at the lowest possible cost with integrated management of storage groups to migrate hot, warm, and cold data to the appropriate class of storage. New Row and Column Access Control provides you with easy and flexible rule and role definitions to manage and control data accesses for enhanced security and the building of multi-tenant applications. Continuous Data Ingest is designed to enable you to transparently load data from external sources into DB2 databases without downtime for integrated real-time analysis and decision making.

DB2 10.1 LUW includes the PL/SQL compatibility feature, which can help speed application development, and help reduce your time to market as well as costs. Time Travel Query is integrated into DB2 for easier and faster time-based analytics applications development. SPARQL support enables new types of "no SQL" applications development with Resource Definition Framework (RDF) data stores.

DB2 10.1 LUW is designed to deliver fast performance and high reliability for your enterprise. IBM DB2 pureScale leverages proven mainframe Sysplex technology to deliver extreme redundancy and scalability. Adaptive compression, the latest addition to DB2's industry-leading database compression technology, can help to further reduce your storage costs while at the same time improve performance. Enhanced query joins and optimizer enhancements increase query performance that can enable you to respond to complex business questions within seconds or less.

DB2 Advanced Enterprise Server Edition includes a full suite of products and features to help you manage your enterprise and help reduce your overall database software costs. DB2 10.1 Advanced Enterprise Server Edition also includes a comprehensive set of tools to help you develop, manage, and deploy databases with greater efficiency, performance, and availability.

High Availability Disaster Recovery (HADR) feature is included in all the for-purchase DB2 10.1 editions (Express®, Workgroup Server, Enterprise Server, and Advanced Enterprise Server, Database Enterprise Developer).

The security features Label Based Access Control and the new Row and Column Access Control are also included in all the for-purchase DB2 10.1 editions (Express, Workgroup Server, Enterprise Server, and Advanced Enterprise Server, Database Enterprise Developer). These security features provide you with a robust and flexible set of rules and access controls to manage and help secure data accesses to help you control your security risks.

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## Key prerequisites

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

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## Planned availability date

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April 30, 2012: Electronic availability

June 11, 2012: Media availability

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## Description

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IBM DB2 10.1 Linux, UNIX, and Windows (LUW) offers you a robust set of new functionality to help you reduce your costs and improve your operational efficiency through increased performance, enhanced security management features, extreme scalability, and faster applications development.

### New functions

#### Optimized storage utilization

Multi-Temperature Data Management allows for grouping of hot, warm, and cold data on varying storage systems. You can now use different storage technologies to help optimize performance while helping to minimize cost. Storage can be allocated depending on data temperature, such as placing hot data on the fastest and most expensive Solid® State Disks (SSDs), while other data can reside on less expensive storage systems.

Multi-Temperature Data Management integration with DB2 Workload Manager is available with DB2 Advanced Enterprise Server Edition to more easily prioritize queries, not only on "who" submitted the work or "what" type of work it is, but also on "where" the data resides. For faster performance, queries touching only hot data can be assigned higher prioritization than queries touching cold data.

Multi-Temperature Data Management is included in the DB2 Enterprise Server Edition, DB2 Advanced Enterprise Server Edition, and IBM Database Enterprise Developer Edition.

### **Further storage savings with improved compression**

You get significant enhancements with DB2's industry-leading compression technologies that now include the new Adaptive Compression, which can further help reduce your storage needs. The enhancements deliver efficient compression of high amounts of new and changing data. The improved compression ratio further helps reduce storage needs and allows for more data in memory, therefore, helping to increase performance. The new approach used in Adaptive Compression also reduces the need for table reorganization. As a consequence, overall maintenance of compressed data is reduced, helping you achieve additional cost savings.

Adaptive Compression is included in DB2 Advanced Enterprise Server Edition and DB2 Database Enterprise Developer Edition.

### **Easier business trend analysis and application development**

Time Travel Query, based on the SQL 2011 standard, is integrated into the database engine to provide significant performance and manageability advantages. Time Travel Query provides the infrastructure for time-aware analytics to reduce the operational complexity of collecting and analyzing time-based data.

Time Travel Query accelerates dynamic analysis of business trends and changes over time, for both new and existing applications. Time Travel Query provides the flexibility to audit for change with system-controlled temporal data, and to analyze all kinds of temporal data including forward-looking data when using user-controlled temporal data.

Time Travel Query is available in all editions of DB2.

DB2 10.1 LUW can now be used as the Resource Definition Framework (RDF) data store with built-in query processor and SPARQL support. With this support, you will be able to build highly scalable and reliable semantic data applications on the DB2 platform. Application developers will have a flexible and expressive API to develop or rapidly prototype applications where the schema is changing or where there is a wide spectrum of disparate entity types to be stored with an evolving relationships between them. SPARQL query features, with open source Jena API, are supported. Utilities to create, load, and reorganize RDF data are provided.

SPARQL and RDF datastore are available to all DB2 editions.

### **Security enhancements**

Row and Column Access Control provides easy and flexible control over data access. With Row and Column Access Control, you can define the security policies that are optimal for your environment by creating permissions for rows and masks for columns based on rules defined for users, groups, and roles. This very fine granularity is designed to allow you to easily control access by roles such as departmental, supervisory, database administrators (DBAs), system administrators, and others, and allow for full separation of duty between security officers and DBAs.

Row and Column Access Control is available in all the for-purchase DB2 10.1 editions (Express, Workgroup Server, Enterprise Server, and Advanced Enterprise Server, Database Enterprise Developer).

## Performance enhancements

DB2 10.1 LUW adds many enhancements designed to further increase the performance of queries.

Zigzag join is now available and is capable of delivering sub-second response time on complex multi-dimensional queries. Other join methods are also enhanced for memory usage efficiency, early predicate evaluation, support of expressions in predicates, as well as optimizer costing and query plan optimization. Additionally, you may now set the INTRA\_PARALLELISM variable dynamically to optimize performance on multicore systems for specific applications or workloads.

These performance enhancements are available in all editions of DB2.

## Continuous Data Ingest utility

The ingest utility allows the seamless roll-in of external data feeds with minimal impact on operations, including long-running queries. It enables real-time business analytics with massive volumes of streaming external data. It is designed to avoid trade-off between data concurrency and data availability.

The Continuous Data Utility is available in DB2 Advanced Enterprise Server Edition and DB2 Database Enterprise Developer Edition.

## DB2 pureScale

The DB2 pureScale Feature brings clustering technology to DB2 on distributed IBM Power® System and System x® platforms. It helps you to meet your business needs around availability and scalability, and at the same time, it is easy to configure and administer. By combining the extensive features of DB2 with the availability and scalability of the DB2 pureScale Feature along with IBM system dependability and flexibility, the result is a comprehensive data management solution that helps you meet the most demanding business needs.

The DB2 pureScale Feature is designed to keep your critical data available during both planned and unplanned outages. For planned outages, where you are performing maintenance on your cluster, you can do rolling maintenance on individual members without affecting the availability of the cluster. For unplanned outages, where a member of the cluster fails due to hardware or software reasons, the DB2 pureScale Feature is designed to allow the cluster, with its remaining members, to continue to function with minimal interruption to your application or business.

The DB2 pureScale Feature allows you to add members to the cluster and remove them from the cluster on demand. You can scale up or scale down the cluster to meet your dynamic business needs. DB2 pureScale, developed with ease of use in mind, has a single installation process for all the software components.

The DB2 pureScale Feature is included in DB2 Workgroup Server Edition and is restricted to up to 16 cores and 64 GB memory total across the cluster, not including the DB2 Cluster Facility and quorum host. DB2 pureScale Feature is included in DB2 Database Enterprise Developer Edition for development use. DB2 pureScale, with no core or memory restrictions, is available for purchase with DB2 Advanced Enterprise Server Edition and DB2 Enterprise Server Edition.

## Advanced tools for DB2 LUW

InfoSphere® Optim™ Tools are updated to accelerate adoption and enhance the value of key DB2 features including Time Travel Query, Row and Column Access Control, Multi-Temperature Data Management, and IBM DB2 pureScale.

Optim Tools are available for purchase to use with DB2 editions. Refer to the [Product positioning](#) section for details about which Optim Tools are included in each DB2 edition.

## **New releases supporting DB2 10.1 LUW are:**

- Data Studio V3.1.1
- InfoSphere Data Architect V8.1
- InfoSphere Optim Query Workload Tuner V3.1.1
- InfoSphere Optim pureQuery Runtime V3.1.1
- InfoSphere Optim Performance Manager V5.1.1
- InfoSphere Optim Configuration Manager V2.1.1
- InfoSphere Optim High Performance Unload V4.2.1
- DB2 Merge Backup V1.1.1
- DB2 Recovery Expert V3.1.1

## **Performance enhancements**

Using InfoSphere Optim Tools, developers, DBAs, or security administrators can:

- Design, develop, and deploy temporal tables, develop and validate SQL access, and view row history.
- Use Data Studio and InfoSphere Data Architect for collaboration to help safeguard data and enable security administrators to define, view, and deploy fine grained access control, and DBAs to analyze impact of new security controls and update routines accordingly.
- Use IBM Data Studio to monitor multiple standby availability and alert availability risks.
- Use Data Studio and Optim Configuration Manager to get recommendations for adaptive compression use, deploy compression, and validate compression savings.
- Use Optim Configuration Manager and Optim Performance Manager to enhance value of multi-temperature technology delivery by analyzing storage group growth and contents, enabling Workload Manager configurations to prioritize queries against high performing storage, and automating period roll-off for range partitioned tables to help lower storage cost.
- Analyze access plan improvements and regressions based on new optimization strategies and get actionable recommendations for improvements. Optim Query Workload Tuner is now the one-stop-shop for query improvement recommendations subsuming all DB2 Design Advisor functions under its broader value-add capability.
- Use Optim High Performance Unload to unload, extract, and repartition data in DB2 10 databases. It helps to work with large quantities of data with less effort and faster results.
- Use DB2 Merge Backup to create fast DB2 backups for your production system designed to enable you to have full current backups available for shorter restore times. DB2 Merge Backup combines incremental and delta backups with the latest full backup to create a new and current full DB2 backup.
- Use DB2 Recovery Expert to recover faster and with greater granularity than what is offered with traditional database recovery. The log analysis features enable organizations to monitor changes to a database and gives the DBA the capability to quickly restore or correct erroneous data using fewer resources and helping to reduce data outages.

Additionally, Data Studio and Optim Query Workload Tuner are now tightly integrated to provide an improved startup experience. Users can now enable Optim Query Workload Tuner functionality with a simple license activation. Data Studio, which includes a rich set of developer and database administrator productivity tools, is the replacement of the legacy DB2 Control Center tools. Data Studio is available for all editions of DB2 at no extra charge.

Furthermore, InfoSphere Optim Tools continue to support production deployment for DB2 pureScale environments with added configuration, administration, and monitoring capabilities. Developers will also benefit from new tool support that facilitates migration to DB2, with added support for PL/SQL procedure profiling and

database federation definition. Finally, Eclipse based offerings are updated to Eclipse 3.6 platform providing integration with Rational® Software Development Platform V8 software.

### **Summary of DB2 10.1 edition changes**

Resource limits for each edition, where applicable, are also listed below.

#### **DB2 Express-C:**

- Time Travel Query.
- IBM Data Studio.
- Memory limit has been increased to 4 GB. Processor core limit remains at two. Both limits are per physical server, or where partitioned, virtual server.

#### **DB2 Express Edition:**

- Row and Column Access Control.
- Label Based Access Control
- Time Travel Query.
- High Availability Disaster Recover (HADR).
- IBM Data Studio.
- Memory limit has been increased to 8 GB. Processor core limit remains at four. Both limits are per physical server, or where partitioned, virtual server.

#### **DB2 Workgroup Server Edition:**

- Row and Column Access Control.
- Label Based Access Control.
- Time Travel Query.
- IBM Data Studio.
- Memory limit remains at 64 GB. Processor core limit remains at 16. Both limits are per physical server, or where partitioned, virtual server.

#### **DB2 Enterprise Server Edition:**

- Row and Column Access Control
- Label Based Access Control
- Time Travel Query
- Multi-Temperature Data Management
- IBM Data Studio

#### **DB2 Advanced Enterprise Server Edition:**

- Row and Column Access Control
- Label Based Access Control
- Time Travel Query
- Multi-Temperature Data Management
- Storage Optimization Feature, including Adaptive Compression
- Continuous Data Ingest
- IBM Data Studio
- InfoSphere Data Architect (10 users)
- InfoSphere Optim Configuration Manager
- InfoSphere Optim Performance Manager Extended Edition
- InfoSphere Optim Query Workload Tuner
- InfoSphere Optim pureQuery Runtime for LUW

## **IBM Database Enterprise Developer Edition:**

- Row and Column Access Control
- Label Based Access Control
- Time Travel Query
- Multi-Temperature Data Management
- Storage Optimization Feature, including Adaptive Compression
- Continuous Data Ingest
- IBM Data Studio
- InfoSphere Data Architect
- InfoSphere Optim Configuration Manager
- InfoSphere Optim Performance Manager Extended Edition
- InfoSphere Optim Query Workload Tuner
- InfoSphere Optim pureQuery Runtime for LUW

## **Accessibility by people with disabilities**

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A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM website

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

## **Section 508 of the US Rehabilitation Act**

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DB2 Express Edition is capable as of June 11, 2012, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested on the following website

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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## **Product positioning**

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### **IBM DB2 Editions for production deployment**

#### **IBM DB2 10.1 Advanced Enterprise Server Edition for Linux, UNIX and Windows**

DB2 Advanced Enterprise Server Edition is designed to meet the data server needs of the most demanding businesses. DB2 Advanced Enterprise Server Edition is bundled with the functionality and tools needed for large complex enterprise environments. DB2 Advanced Enterprise Server Edition includes all the functionality from the DB2 Enterprise Server Edition, and it also integrates the capabilities of DB2 Enterprise Server Edition with replication and federation required for today's complex data environments. The use of Queue-based Replication (Q Replication) in InfoSphere Data Replication, which is restricted to replication between three DB2 LUW systems, and InfoSphere Federation Server between Oracle and DB2 LUW databases, helps you rapidly integrate DB2 into mixed database platform environments. Additionally, DB2 Advanced Enterprise Server Edition helps reduce storage costs by inclusion of the DB2 Storage Optimization Feature.

To simplify administration, tuning, and development, DB2 10.1 Advanced Enterprise Server Edition includes a rich set of tools:

- IBM Data Studio
- DB2 Workload Management
- InfoSphereOptim Performance Manager Extended Edition

- InfoSphereOptim Query Workload Tuner
- InfoSphereOptim Configuration Manager
- InfoSphere Data Architect (10 authorized users)
- InfoSphere Optim pureQuery Runtime for LUW

DB2 Advanced Enterprise Server Edition can be deployed on Linux, UNIX, or Windows servers of any size, from one processor to hundreds of processors, and on both physical and virtual servers.

You can upgrade from DB2 Enterprise Server Edition to DB2 Advanced Enterprise Server Edition using a Processor Value Unit (PVU) based upgrade part number. You can also upgrade to DB2 Advanced Enterprise Server Edition from DB2 Enterprise Server Edition with DB2 Storage Optimization Feature and have the entitlement of both products converted to entitlement for DB2 Advanced Enterprise Server Edition. You can upgrade to DB2 Advanced Enterprise Server Edition from DB2 Enterprise with DB2 Performance Optimization Feature and have the entitlement of both products converted to entitlement for DB2 Advanced Enterprise Server Edition.

Program charges: DB2 10.1 Advanced Enterprise Server Edition includes all the functionality from the DB2 Enterprise Server Edition, DB2 Storage Optimization feature, DB2 Workload Management, InfoSphere Optim Performance Manager Extended Edition, IBM Data Studio, InfoSphere Optim Query Workload Tuner, InfoSphere Optim Configuration Manager, InfoSphere Data Architect, InfoSphere Optim pureQuery Runtime for LUW, InfoSphere Federation Server between DB2 LUW and Oracle databases, and queue-based replication from InfoSphere Data Replication between three DB2 LUW servers.

DB2 Advanced Enterprise Server Edition is available on either a PVU or a per Authorized User Single Install charge metric. Under the Authorized User Single Install charge metric, you must acquire a minimum of 25 Authorized User Single Install licenses per 100 PVUs.

### **IBM DB2 10.1 Enterprise Server Edition for Linux, UNIX and Windows**

DB2 Enterprise Server Edition is designed to meet the data server needs of midsize to large-size businesses. It can be deployed on Linux, UNIX, or Windows servers of any size, from one processor to hundreds of processors, and on both physical and virtual servers. DB2 Enterprise Server Edition is an ideal foundation for building on-demand enterprise-wide solutions such as high-performing 24 x 7 available high-volume transaction processing business solutions or web-based solutions. DB2 Enterprise Server Edition is the data server backend of choice for industry-leading ISVs building enterprise solutions such as content management, e-commerce, business intelligence, enterprise resource planning, customer relationship management, or supply chain management. Additionally, DB2 Enterprise Server Edition offers connectivity, compatibility, and integration with other enterprise DB2 and Informix® Dynamic Server (IDS) data sources.

Program charges: DB2 10.1 Enterprise Server Edition includes IBM Data Studio, Label Based Access Control, Row and Column Access Control, Multi-Temperature Data Management, Time Travel Query, Table Partitioning, High Availability Disaster Recovery (HADR), Online Reorganization, Materialized Query Tables (MQTs), Multidimensional Clustering (MDC), Query Parallelism, Scan Sharing, Connection Concentrator, pureXML®, backup compression, and Tivoli® System Automation for Multiplatforms. The product also includes DB2 Homogeneous Federation and Homogeneous SQL Replication allowing federated data access and replication between DB2 LUW servers as well as web services federation.

DB2 Enterprise Server Edition is available on either a PVU or a per Authorized User Single Install charge metric. Under the Authorized User Single Install charge metric, you must acquire a minimum of 25 Authorized User Single Install licenses per 100 PVUs.

### **IBM DB2 10.1 Workgroup Server Edition for Linux, UNIX and Windows**



DB2 Workgroup Server Edition is the data server of choice for deployment in a departmental, workgroup, or medium-sized business environment. It is offered in multiple charge metrics to provide an attractive price point for medium-size environments while providing a full-function data server. DB2 10.1 Workgroup Server Edition, running on either IBM System x or IBM Power servers, includes the usage of DB2 pureScale with a maximum cluster size of 16 cores total across all servers, excluding the DB2 Cluster Facility and quorum host. Defined Red Hat and SUSE Linux distributions are supported for DB2 pureScale on System x, and AIX® is supported for DB2 pureScale on Power servers.

Program charges: DB2 Workgroup Server Edition includes IBM Data Studio, Label Based Access Control, Row and Column Access Control, Time Travel Query, HADR, Online Reorganization, pureXML, web services federation support, DB2 LUW Homogeneous Federation, Homogeneous SQL Replication, backup compression, and Tivoli System Automation for Multiplatforms. DB2 Workgroup Server Edition can be deployed in Linux, UNIX, and Windows server environments and will use up to 16 cores and 64 GB of memory per physical or, where partitioned, virtual server. There is no limit on the cores or memory available to the physical server, which makes DB2 Workgroup Server Edition ideal for consolidating multiple workloads onto a large physical server running DB2 Workgroup Server Edition in multiple virtual servers.

DB2 Workgroup Server Edition is available on a per Limited Use Socket, PVU, or Authorized User Single Install charge metric. You must acquire a minimum of five Authorized User Single Install licenses per Install.

### **IBM DB2 10.1 Express Edition for Linux, UNIX and Windows**

DB2 Express Edition is a full-function DB2 data server, which provides very attractive entry-level pricing for the small and medium business (SMB) market. It is offered in multiple pricing models to provide choices to match SMB customer needs. It comes with simplified packaging and is easy to transparently install within an application. With DB2 Express Edition, it is easy to subsequently upgrade to the other editions of DB2 10.1 since DB2 Express Edition includes most of the same features, including security and HADR, as the more scalable editions. You never have to change your application code to upgrade; simply install the license certificate to upgrade.

Program charges: DB2 Express can be deployed on pervasive SMB, x86-based operating systems, such as Linux, Windows, or Solaris, and includes IBM Data Studio, Label Based Access Control, Row and Column Access Control, Time Travel Query, pureXML, web services federation, DB2 LUW Homogeneous Federation, Homogeneous SQL Replication, backup compression, and HADR. DB2 Express Edition can be deployed in x86 server environments and will use up to 4 cores and 8 GB of memory per physical or, where partitioned, virtual server. On the Limited Use Virtual Server charge metric, there is no limit on the size of the physical server, which makes DB2 Express ideal for consolidating multiple workloads onto a large physical server running DB2 Express in multiple virtual servers.

DB2 Express Edition is available on a per Authorized User Single Install, PVU, Limited Use Virtual Server, or 12 month Fix Term licensing model. You must acquire a minimum of five Authorized User Single Install licenses per Install. DB2 Express Edition can also be licensed on a yearly Fixed Term License pricing model.

DB2 10.1, Express-C is a no-charge, entry-level edition of the DB2 data server for the developer and partner community. It is designed to be up and running in minutes, easy-to-use and embed, includes self-management features, and embodies all of the core capabilities of DB2 for Linux, UNIX and Windows such as Time Travel Query. Solutions developed using DB2 Express-C can be seamlessly deployed using more scalable DB2 editions without modifications to the application code.

Program charges: DB2 Express-C can be used for development and deployment at no charge. It can be installed on x86-based physical or virtual systems and may use up to a maximum of 2 processor cores and 4 GB of memory. DB2 Express-C comes with online community-based assistance. Users requiring more formal support, access to fix packs, or additional capabilities such as high availability, Homogeneous Federation, and replication can purchase an optional yearly subscription for

DB2 Express Edition (Fixed Term License) or upgrade to other DB2 editions. In addition, IBM Data Studio is also available to facilitate solutions deployment and management.

### **IBM DB2 10.1 Database Enterprise Developer Edition**

IBM DB2 10.1 Database Enterprise Developer Edition offers a package for a single application developer to design, build, and prototype applications for deployment on any of the IBM Information Management client or server platforms. This comprehensive developer offering includes DB2 Workgroup Server Edition DB2 Enterprise Server Edition, DB2 Advanced Enterprise Server Edition, IDS Enterprise Edition, DB2 Connect™ Unlimited Edition for System z®, and all of the DB2 10.1 features, allowing you to build solutions that utilize the latest data server technologies.

Program charges: The software in this package cannot be used for production systems. You must acquire a separate Authorized User license for each authorized user of this product.

### **IBM DB2 10.1 LUW, Enterprise Edition and Advanced Enterprise Edition for purchase features**

#### **IBM DB2 Storage Optimization Feature for Linux, UNIX and Windows**

This feature includes data row, index, temporary table, and adaptive compression and other compression types to help maximize the use of existing storage:

- Data Row Compression uses a static dictionary-based compression algorithm to compress data by row. Compressing data at the row level is advantageous because it allows repeating patterns that span multiple column values within a row to be replaced with shorter symbol strings, helping to improve performance. In I/O-bound systems it will not only help reduce storage requirements but it might help improve overall performance.
- Index Compression utilizes multiple algorithms to help reduce the storage requirements for indexes as well as the total storage footprint of your DB2 database.
- Temp Compression will automatically compress the amount of space used for temp tables. This automated compression will help to both improve performance of business intelligence workloads using large temp tables as well as reduce the total storage needed by DB2.
- Adaptive Compression lets you use the above mentioned compression methods in parallel with table and page level dictionaries.

Program charges: This feature is included in the DB2 Advanced Enterprise Server Edition and IBM Database Enterprise Developer Edition.

This feature is available as an option for DB2 Enterprise Server Edition, and can only be acquired if the underlying data server is licensed with the PVU charge metric.

#### **DB2 pureScale Feature**

This feature introduces clustering technology to DB2 on distributed platforms, so you can deploy continuously available and scalable database clusters. By allowing the database to continue processing through most planned and unplanned outages, it helps improve the availability of DB2. It supports higher transaction rates by letting you grow your business to meet the most demanding business needs. This feature additionally delivers the necessary tools to easily and flexibly administer databases. Defined Red Hat and SUSE Linux distributions are supported for DB2 pureScale on System x, and AIX is supported for DB2 pureScale on Power servers.

Program charges: This feature is included in the DB2 Workgroup Server Edition with a limit of up to 16 cores and 64 GB memory total in a cluster, not including the DB2 Cluster Facility and quorum host, and is included in the Database Enterprise Developer Edition.

This feature is available as an option for the DB2 Advanced Enterprise Server Edition and the DB2 Enterprise Server Edition. You must acquire this feature under the same charge metric as the underlying DB2 data server.

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## Reference information

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Refer to:

- Software Announcement [212-073](#), dated April 03, 2012
- Software Announcement [212-077](#), dated April 03, 2012
- Software Announcement [211-520](#), dated December 06, 2011
- Software Announcement [211-445](#), dated December 06, 2011
- Software Announcement [211-287](#), dated August 16, 2011
- Software Announcement [211-212](#), dated May 03, 2011
- Software Announcement [211-450](#), dated October 18, 2011
- Software Announcement [211-441](#), dated October 18, 2011
- Software Announcement [211-448](#), dated October 18, 2011
- Software Announcement [210-354](#), dated October 05, 2010

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## Availability of national languages

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Product description	Language	GA date
DB2 AESE AU SI Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 AESE PVU Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 ESE AU SI Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 ESE PVU Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 EXE AU SI Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 EXE FTL Server Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 EXE Server Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 Express Ed PVU Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 SOF V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 WSE AU SI Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 WSE PVU Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 WSE Socket Option V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DB2 pureScale Feature V10.1.0	All Lang per ESD/PA Media Pks	June 11, 2012
DEDE V10.1.0	All Lang per	June 11, 2012

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## Program number

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Program number	VRM	Program name
5725-E89	1.0.0	DB2 Advanced CEO Offering
5725-B76	10.1.0	DB2 Advanced Enterprise Server Edition
5724-R28	9.1.0	IBM DB2 CEO offering
5765-F41	10.1.0	IBM DB2 Enterprise Server Edition
5724-E49	10.1.0	IBM DB2 Express Edition
5724-S40	10.1.0	IBM DB2 Express Edition Fixed Term License
5724-N78	10.1.0	IBM DB2 Storage Optimization Feature
5765-F35	10.1.0	IBM DB2 Workgroup Server Edition
5724-Y69	10.1.0	IBM DB2 pureScale Feature
5724-N76	10.1.0	IBM Database Enterprise Developer Edition
5724-T19	10.1.0	IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition

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## Education support

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The following educational offerings are available as listed below:

Course code	Course title	Course type
CL24	DB2 for LUW Multi Partition Database Administration Workshop	Classroom
CL25	DB2 for LUW Multi Partition Environment for Single Partition DBAs	Classroom
CL44	DB2 for LUW Multi Partition Performance Workshop	Classroom

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/>

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

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

IBM offers a range of training options from traditional classroom to Instructor-Led Online (ILO) to meet your demanding schedule. ILO is an innovative learning format where students get the benefit of being in a classroom with the convenience and cost savings of online training. Take advantage of our ILO formats: ILO Classic - high-quality classroom content taught live and online by our expert instructors; ILO

Flex Time - shorter sessions over multiple weeks; and ILO Select - two to three hour lectures on key technical topics.

Go green with IBM onsite training for groups as small as three or as large as fourteen. Choose from the same quality training delivered in classrooms, or customize a course or a selection of courses to best suit your business needs. Enjoy further savings when you purchase training at a discount with an IBM Education Pack - online account -- flexible and convenient way to pay, track and manage your education expenses online.

## Courses

The following key education resources are available. Check your local Information Management Training and Education website or with your training representative for the most recent training schedule.

Course code	Course title	Course type
CL284	Fast Path to DB2 10.1 for Experienced Relational DBAs	Classroom
3L284	Fast Path to DB2 10.1 for Experienced Relational DBAs	Instructor-Led Online
CL484	DB2 10.1 for LUW Quickstart for Experienced Relational DBAs	Classroom
3L484	DB2 10.1 for LUW Quickstart for Experienced Relational DBAs	Instructor-Led Online
CL313	DB2 10 for Linux, UNIX, and Windows New Features	Classroom
3L313	DB2 10 for Linux, UNIX, and Windows New Features	Instructor-Led Online

## IBM Professional Certification

Information Management Professional Certification is a business solution for skilled IT professionals to demonstrate their expertise to the world. Certification validates skills and demonstrates proficiency with the most recent IBM technology and solutions.

For certification information, refer to

[http://www-03.ibm.com/certify/tests/test\\_index\\_bd.shtml](http://www-03.ibm.com/certify/tests/test_index_bd.shtml)

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## Offering Information

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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>

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## Publications

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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 free of charge.

News of many publications may be subscribed to via Mysupport.

<https://www.ibm.com/support/mysupport/us/en/?OpenDocument>

The following books are available for the DB2 10.1 for Linux, UNIX, and Windows products:

Description	Language	Form number
Administrative API Reference	English	SC27-3864-00
	Japanese	SA88-4671-00
	Spanish	SC11-8069-00
Administrative Routines and Views	English	SC27-3865-00
	Japanese	SA88-4672-00
	Spanish	SC11-8067-00
CLI Guide and Reference, Volume 1	English	SC27-3866-00
	Japanese	SA88-4676-00
CLI Guide and Reference, Volume 2	English	SC27-3867-00
	Japanese	SA88-4677-00
Command Reference	English	SC27-3868-00
	Japanese	SA88-4673-00
	Spanish	SC11-8071-00
Data Movement Utilities Guide and Reference	English	SC27-3869-00
	German	SC12-4691-00
	Japanese	SA88-4693-00
	Simplified Chinese	S151-1756-00
Data Recovery and High Availability Guide and Reference	English	SC27-3870-00
	German	SC12-4692-00
	Japanese	SA88-4694-00
Database Administration Concepts and Configuration Reference	Simplified Chinese	S151-1755-00
	English	SC27-3871-00
	German	SC12-4673-00
Database Monitoring Guide and Reference	Japanese	SA88-4662-00
	Simplified Chinese	S151-1758-00
	English	SC27-3887-00
Database Security Guide	German	SC12-4674-00
	Japanese	SA88-4663-00
	Simplified Chinese	S151-1759-00
DB2 Connect User's Guide	English	SC27-3872-00
	German	SC12-4693-00
	Japanese	SA88-4695-00
	Simplified Chinese	S151-1753-01
	English	SC27-3863-00
	Brazilian Portuguese	S517-0060-00
	Bulgarian	SC19-1559-00

	Croatian	SC19-1554-00
	Czech	SC19-3531-00
	Dutch	SC14-2085-00
	French	SC11-7092-00
	German	SC12-4681-00
	Hungarian	SC22-1153-00
	Japanese	SA88-4683-00
	Polish	SC85-0485-00
	Romanian	SC19-1706-00
	Russian	SC89-1243-00
	Simplified Chinese	S151-1771-00
	Slovakian	SC19-1435-00
	Slovenian	SC19-1564-00
	Spanish	SC11-8075-00
	Traditional Chinese	SC27-3096-00
DB2 Text Search Guide	English	SC27-3888-00
	German	SC12-4690-00
	Japanese	SA88-4692-00
	Spanish	SC11-8083-00
	English	SC27-3873-00
Developing ADO.NET and OLE DB Applications		
	Japanese	SA88-4665-00
	Simplified Chinese	S151-1765-00
	English	SC27-3874-00
Developing Embedded SQL Applications		
	Japanese	SA88-4666-00
	Simplified Chinese	S151-1763-00
	English	SC27-3875-00
Developing Java™ Applications		
	Japanese	SA88-4669-00
	Spanish	SC11-8066-00
	English	SC27-3876-00
Developing Perl, PHP, Python, and Ruby on Rails Applications		
	Japanese	SA88-4670-00
	Spanish	SC11-8065-00
	English	SC27-3877-00
Developing User-defined Routines (SQL and External)		
	Japanese	SA88-4667-00
	Simplified Chinese	S151-1761-00
	English	GI13-2046-00
Getting Started With Database Application Development		
	Japanese	GI88-4279-00
	Simplified Chinese	GI151-1764-00
	English	GI13-2047-00
Getting Started with DB2 Installation and Administration on Linux and Windows		
	Brazilian Portuguese	G517-0196-00
	Czech	GI13-2404-00
	French	GI11-7431-00
	German	GI11-3285-00
	Japanese	GI88-4280-00
	Polish	GI10-6771-00
	Russian	GI43-0114-00
	Simplified Chinese	GI151-1769-00
	Spanish	GI13-1946-00
	Traditional Chinese	GI13-1152-00
	English	SC27-3878-00
	German	SC12-4694-00
	Japanese	SA88-4696-00
	Simplified Chinese	S151-1757-00
	English	SC27-3861-00
Globalization Guide		
Installing and Configuring DB2 Connect Personal Edition		
	Brazilian Portuguese	S517-0062-00
	Bulgarian	SC19-1557-00
	Croatian	SC19-1552-00
	Czech	SC19-3529-00

	Dutch	SC14-2084-00
	French	SC11-7090-00
	German	SC12-4679-00
	Hungarian	SC22-1155-00
	Japanese	SA88-4681-00
	Polish	SC85-0483-00
	Romanian	SC19-1704-00
	Russian	SC89-1245-00
	Simplified Chinese	S151-1773-00
	Slovakian	SC19-1433-00
	Slovenian	SC19-1562-00
	Spanish	SC11-8077-00
	Traditional Chinese	SC27-3098-00
Installing and Configuring DB2 Connect Servers	English	SC27-3862-00
	Brazilian Portuguese	S517-0061-00
	Bulgarian	SC19-1558-00
	Croatian	SC19-1553-00
	Czech	SC19-3530-00
	French	SC11-7091-00
	German	SC12-4680-00
	Hungarian	SC22-1154-00
	Japanese	SA88-4682-00
	Polish	SC85-0484-00
	Romanian	SC19-1705-00
	Russian	SC89-1244-00
	Simplified Chinese	S151-1772-00
	Slovakian	SC19-1434-00
	Slovenian	SC19-1563-00
	Spanish	SC11-8076-00
Installing DB2 Servers	Traditional Chinese	SC27-3097-00
	English	GC27-3884-00
	Brazilian Portuguese	G517-0195-00
	Czech	GC19-3526-00
	French	GC11-7088-00
	German	SC12-4677-00
	Japanese	GA88-4679-00
	Polish	GC85-0481-00
	Russian	GC89-1240-00
	Simplified Chinese	G151-1768-00
	Spanish	GC11-8073-00
Installing IBM Data Server Clients	Traditional Chinese	GC27-3094-00
	English	GC27-3883-00
	Brazilian Portuguese	G517-0197-00
	Bulgarian	GC19-1556-00
	Croatian	GC19-1551-00
	Czech	GC19-3528-00
	Dutch	GC14-2083-00
	French	GC11-7089-00
	German	SC12-4678-00
	Hungarian	GC22-1152-00
	Japanese	GA88-4680-00
	Polish	GC85-0482-00
	Romanian	GC19-1703-00
	Russian	GC89-1242-00
	Slovakian	GC19-1432-00
	Slovenian	GC19-1561-00
	Spanish	GC11-8074-00
	Traditional Chinese	GC27-3092-00
Message Reference Volume 1	Turkish	GC14-7095-00
	English	SC27-3879-00
	Czech	SC19-3532-00
	Dutch	SC14-2087-00
	French	SC11-7094-00
	German	SC12-4686-00
	Japanese	SA88-4688-00
	Simplified Chinese	S151-1767-00
Message Reference Volume 2	Spanish	SC11-8080-00
	English	SC27-3880-00



	Czech	SC19-3533-00
	Dutch	SC14-2088-00
	French	SC11-7095-00
	Japanese	SA88-4689-00
	Simplified Chinese	S151-1766-00
	Spanish	SC11-8079-00
	Traditional Chinese	SC27-3099-00
Net Search Extender Administration and User's Guide	English	SC27-3895-00
	French	SC11-7096-00
	German	SC12-4689-00
	Japanese	SA88-4691-00
	Simplified Chinese	S151-1078-00
	Spanish	SC11-8082-00
Partitioning and Clustering Guide	English	SC27-3895-00
	German	SC12-4695-00
	Japanese	SA88-4697-00
	Simplified Chinese	S151-1754-00
pureXML Guide	English	SC27-3892-00
	German	SC12-4684-00
	Japanese	SA88-4686-00
	Simplified Chinese	S151-1775-00
Spatial Extender and Geodetic Data Management Feature User's Guide and Reference	English	SC27-3894-00
	Brazilian Portuguese	S517-0064-00
	German	SC12-4688-00
	Japanese	SA88-4690-00
	Spanish	SC11-8081-00
SQL Procedural Languages: Application Enablement and Support	English	SC27-3896-00
	Japanese	SA88-4668-00
	Simplified Chinese	S151-1762-00
SQL Reference, Volume 1	English	SC27-3885-00
	Japanese	SA88-4674-00
	Spanish	SC11-8070-00
SQL Reference, Volume 2	English	SC27-3886-00
	Japanese	SA88-4675-00
	Spanish	SC11-8068-00
Trouble shooting and Tuning Database Performance	English	SC27-3889-00
	German	SC12-4675-00
	Japanese	SA88-4664-00
	Simplified Chinese	S151-1760-00
Upgrading to DB2 Version 10.1	English	SC27-3881-00
	Brazilian Portuguese	S517-0017-00
	Czech	SC19-3527-00
	French	SC11-7087-00
	German	SC12-4676-00
	Japanese	SA88-4678-00
	Polish	SC85-0480-00
	Russian	SC89-1241-00
	Simplified Chinese	S151-1770-00
	Spanish	SC11-8072-00
	Traditional Chinese	SC27-3095-00
What's New for DB2 Version 10.1	English	SC27-3890-00
	Brazilian Portuguese	S517-0063-00
	Bulgarian	SC19-1560-00
	Croatian	SC19-1555-00
	Dutch	SC14-2086-00
	French	SC11-7093-00
	German	SC12-4682-00

	Hungarian	SC22-1156-00
	Japanese	SA88-4684-00
	Romanian	SC19-1706-00
	Russian	SC89-1246-00
	Simplified Chinese	S151-1752-00
	Slovakian	SC19-1436-00
	Slovenian	SC19-1565-00
	Spanish	SC11-8078-00
	Traditional Chinese	SC27-3093-00
Workload Management Guide and Reference	English	SC27-3891-00
	German	SC12-4683-00
	Japanese	SA88-4685-00
	Spanish	SC11-8079-00
XQuery Reference	English	SC27-3893-00
	German	SC12-4685-00
	Japanese	SA88-4687-00
	Simplified Chinese	S151-1774-00

## IBM Redbooks®

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

IBM form number	Title
SG24-7736-00	Oracle to DB2 Conversion Guide for Linux, UNIX, and Windows (update)
SG24-7048-01	Oracle to DB2 Conversion Guide for Linux, UNIX, and Windows
SG24-7301-00	DB2 Express-C: The Developer Handbook for XML, PHP, C/C++, Java, and .NET
SG24-6672-00	Microsoft™ SQL Server to IBM DB2 UDB Conversion Guide
SG24-7363-01	High Availability and Disaster Recovery Options for DB2 on Linux, UNIX, and Windows
SG24-7218-00	Developing PHP Applications for IBM Data Servers
SG24-7259-00	Powering SOA with IBM Data Servers
SG24-7467-00	Database Partitioning, Table Partitioning, and MDC for DB2 9
SG24-7653-00	DB2 Deployment Guide
SG24-7555-00	DB2 Security and Compliance Solutions for Linux, UNIX, and Windows
SG24-6899-01	Up and Running with DB2 on Linux

For additional Redbooks, refer to

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

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## Technical information

### Specified operating environment

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#### Hardware requirements

Minimum hardware requirements:

- 32-bit and 64-bit Windows and Linux: All systems based on Intel™ or AMD processors that are capable of running the supported Windows or Linux operating systems (x86 and x64 systems).
- AIX and Linux for IBM System p® and for IBM System i® systems: Systems with POWER4, or later processors are required.

- Solaris: Systems with UltraSPARC processors or x64 systems are required.
- HP-UX: Itanium-based HP Integrity Series systems are required.

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

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

Memory requirements: The amount of memory required for the IBM Data Server Runtime client depends on the operating system and the database applications that are running. In most cases, it should be sufficient to use the minimum memory requirements of the operating system as the minimum requirement for running the IBM Data Server Runtime client. Graphical administration and application development tools, that are part of the IBM Data Server Client, require an additional 256 MB.

The following table shows the minimum memory in MBs that are prerequisite to installation. The actual requirement depends on the applications you intend to run. Additional memory may be required to handle heavy workloads and a large number of concurrent users. The following numbers are for planning purposes only.

DB2 products and components	Memory requirement
DB2 for Linux, UNIX, and windows (all editions)	256 MB
Net Search Extender	256 MB

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

DB2 products and components	Disk space requirement
DB2 for Linux, UNIX, and windows (all editions)	450 MB (1)
IBM Data Server Runtime client	100 MB
IBM Data Server Client	256 MB (2)
DB2 Information Center	120 MB (3)
Net Search Extender	50 MB

(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.

563 MB of the 600 MB is for United States geocoder reference data.

### **Software requirements**

This section indicates the minimal requirements for operating systems at the time of this announcement.

#### Linux

- Red Hat Enterprise Linux (RHEL) 5 and 6
- SUSE Linux Enterprise Server (SLES) 10 and 11
- Linux for System i- SLES 10, SLES 11; 32 bit and 64 bit
- Linux for System i - RHEL 5 and 6; 32 bit and 64 bit
- Linux for System p - SLES 10, SLES 11; 64 bit
- Linux for System p - RHEL 5 and 6; 64 bit
- Linux for System z - SLES 10, SLES 11; 64 bit
- Linux for System z - RHEL 5 and 6; 64 bit

## Windows

- 32-bit and 64-bit (x64) Windows Server 2003, Standard Server, Enterprise Server, and Datacenter Editions
- 32-bit and 64-bit (x64) Windows Server 2008, Standard Server, Enterprise Server, and Datacenter Editions
- 32-bit and 64-bit (x64) Windows XP Professional Edition
- 32-bit and 64-bit (x64) Windows Vista Business, Enterprise, and Ultimate editions
- 32-bit and 64-bit (x64) Windows 7

## AIX

- AIX V6.1
- AIX V7.1

## HP-UX

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

## Solaris

- Solaris 10 for UltraSPARC or SPARC64 servers
- Solaris 10 for x64 servers

DB2 on Linux on System z is only supported on DB2 Enterprise Server Edition and on DB2 Advanced Enterprise Server Edition.

The operating system support level for various DB2 products is frequently updated. To obtain the current information for supported software levels, including recommended maintenance levels, refer to

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

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.

## **Planning information**

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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 10.1, Advanced Enterprise Server Edition - Authorized User Single Install and PVU Options**

Media:

- IBM DB2 10.1 Advanced Enterprise Server Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 10.1 Advanced Enterprise Server Edition 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 Support Files for SSL Functionality 10.1 CD
- IBM DB2 Support Files for Advanced Copy Services Functionality 10.1 CD
- IBM DB2 Net Search Extender 10.1 DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Window CD
- IBM WebSphere® MQSeries® V7.1 DVDs
- IBM InfoSphere Optim Performance Manager Extended Edition V5.1.1 DVDs
- IBM InfoSphere Optim Query Workload Tuner V3.1.1 DVDs
- IBM InfoSphere Optim Configuration Manager V2.1.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for LUW V3.1.1 DVD
- IBM InfoSphere Data Architect V8.1 DVDs
- IBM Data Studio V3.1.1 DVDs

### **IBM DB2 10.1, Enterprise Server Edition - Authorized User Single Install and PVU Options**

Media:

- IBM DB2 10.1 Enterprise Server Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 10.1 Enterprise Server Edition 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 Support Files for SSL Functionality 10.1 CD
- IBM DB2 Support Files for Advanced Copy Services Functionality 10.1 CD
- IBM DB2 Net Search Extender 10.1 DVD
- 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 10.1, Workgroup Server Edition - Authorized User Single Install, PVU and Limited Use Socket Options**

Media:

- IBM DB2 10.1 Workgroup Server Edition - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD

- IBM DB2 10.1 Workgroup Server Edition 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 Support Files for SSL Functionality 10.1 CD
- IBM DB2 Support Files for Advanced Copy Services Functionality 10.1 CD
- IBM DB2 Net Search Extender 10.1 DVD
- IBM Tivoli System Automation Multiplatforms V3.2.2 for Windows CD
- IBM WebSphere MQSeries V7.1 DVDS
- IBM Data Studio V3.1.1 DVDs

**IBM DB2 10.1, Express Edition - Authorized User Single Install, PVU, Limited Use Virtual Server, and Fixed Term License Options**

Media:

- IBM DB2 10.1 Express Edition - Quick Start and Activation CD
- IBM DB2 10.1 Express Edition DVDs
- IBM DB2 Support Files for Advanced Copy Services Functionality 10.1 CD
- IBM DB2 Net Search Extender 10.1 DVD
- IBM Tivoli System Automation Multiplatforms V3.2.2 for Windows CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Data Studio V3.1.1 DVDs

**IBM Database Enterprise Developer Edition 10.1**

Media:

- IBM Database Enterprise Developer Edition 10.1 - Quick Start and Activation CD
- IBM DB2 10.1 Information Center DVDs
- IBM DB2 10.1 PDF documentation DVD
- IBM DB2 10.1 Advanced Enterprise Server DVDs
- IBM DB2 10.1 Enterprise Server Edition DVDs
- IBM DB2 10.1 Workgroup Server 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 Support Files for SSL Functionality 10.1 CD
- IBM DB2 Support Files for Advanced Copy Services Functionality 10.1 CD
- IBM DB2 Net Search Extender 10.1 DVD
- IBM Tivoli System Automation for Multiplatform V3.2.2 - Windows CD
- IBM WebSphere MQSeries V7.1 DVDs
- IBM Informix Ultimate Edition V11.70 DVDs
- IBM InfoSphere Optim Performance Manager Extended Edition V5.1.1 DVDs
- IBM InfoSphere Optim Query Workload Tuner V3.1.1 DVDs
- IBM InfoSphere Optim Configuration Manager V2.1.1 DVDs
- IBM InfoSphere Optim pureQuery Runtime for LUW V3.1.1 DVD
- IBM InfoSphere Data Architect V8.1 DVDs
- IBM Data Studio V3.1.1 DVDs
- IBM solidDB® 7.0 DVDs

## IBM DB2 Storage Optimization Feature

Media:

- IBM DB2 10.1 Storage Optimization Feature - Quick Start and Activation CD

## IBM DB2 pureScale Feature

Media:

- IBM DB2 10.1 pureScale Feature - Quick Start and Activation CD
- IBM InfoSphere Optim Performance Manager Extended Edition V5.1.1 DVDs

## Security, auditability, and control

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To protect data and resources associated with a database server, DB2 uses a combination of external security services and internal access control information. To access a database server, the user must pass some security checks before being given access to database data or resources.

DB2 products interface with external security mechanisms available with operating systems on which DB2 products are supported as well as support for the Kerberos security mechanism. DB2 has an integrated audit facility that can be used to track data access by users. The subsequent analysis of an audit log can lead to improvements in the control of data access and the ultimate prevention of malicious or careless unauthorized access to the data.

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

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## Ordering information

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

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

<http://www-01.ibm.com/software/info/itsolutions/softwarevalueplus/>

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, contact your IBM representative.

## Product information

Licensed function title	Product group	Product category
IBM DB2 Advanced CEO	IBM Database 2	DB2
IBM DB2 Advanced CEO Offering	IBM Database 2	DB2
IBM DB2 Advanced Enterprise Server Edition Authorized User SI Option	IBM Database 2	DB2
IBM DB2 Advanced Enterprise Server Edition PVU Option	IBM Database 2	DB2
IBM DB2 CEO	Bundle Other	CEO Bundle
IBM DB2 CEO Offering	Bundle Other	CEO Bundle
IBM DB2 Enterprise Server Edition Authorized User Single Install	IBM Database 2	DB2 Enterprise Server Edition
IBM DB2 Enterprise Server Edition PVU Option	IBM Database 2	DB2 Enterprise Server Edition
IBM DB2 Express Edition AU Single Install Option	IBM Database 2	IBM DB2 Universal

		Database
IBM DB2 Express Edition FTL	IBM Database 2	DB2
IBM DB2 Express Edition PVU Option	IBM Database 2	IBM DB2 Universal Database
IBM DB2 Express Edition Server Option	IBM Database 2	DB2
IBM DB2 Storage Optimization Feature	IBM Database 2	IBM DB2 Universal Database
IBM DB2 Workgroup Server Edition Authorized User Single Install	IBM Database 2	IBM DB2 Universal Database
IBM DB2 Workgroup Server Edition PVU Option	IBM Database 2	IBM DB2 Universal Database
IBM DB2 Workgroup Server Edition Socket Option	IBM Database 2	DB2
IBM DB2 pureScale Feature	IBM Database 2	DB2
IBM Database Enterprise Developer Edition	IBM Database 2	IBM DB2 Universal Database
IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition	IBM Database 2	IBM DB2 Universal Database

Program name	PID number	Charge unit description
IBM DB2 Advanced CEO	5725-E89	Per Authorized User
IBM DB2 Advanced CEO	5725-E89	Per Authorized User for Linux on System z
IBM DB2 Advanced CEO Offering	5725-E89	Per Authorized User
IBM DB2 Advanced Enterprise Server Edition Authorized User SI Option	5725-B76	Per Authorized User Single Install
IBM DB2 Advanced Enterprise Server Edition PVU Option	5725-B76	PROCESSOR-Day(s)
IBM DB2 Advanced Enterprise Server Edition PVU Option	5725-B76	Per Processor Value Unit (PVU)
IBM DB2 Advanced Enterprise Server Edition PVU Option	5725-B76	Per Processor Value Unit for Linux on System z
IBM DB2 CEO	5724-R28	Per Authorized User
IBM DB2 CEO Offering	5724-R28	PA Per Authorized User
IBM DB2 Enterprise Server Edition Authorized User Single Install	5765-F41	Per Authorized User Single Install
IBM DB2 Enterprise Server Edition PVU Option	5765-F41	Per Processor Value Unit (PVU)
IBM DB2 Enterprise Server Edition PVU Option	5765-F41	Per Processor Value Unit for Linux on System z
IBM DB2 Enterprise Server Edition PVU Option	5765-F41	PROCESSOR-Day(s)
IBM DB2 Express Edition AU Single Install Option	5724-E49	Per Authorized User Single Install
IBM DB2 Express Edition FTL	5724-S40	FTL per Limited Use Virtual Server
IBM DB2 Express Edition PVU Option	5724-E49	PROCESSOR-Day(s)
IBM DB2 Express Edition PVU Option	5724-E49	Per Processor Value Unit (PVU)
IBM DB2 Express Edition Server Option	5724-E49	Per Limited Use Virtual server
IBM DB2 Storage Optimization Feature	5724-N78	PROCESSOR-Day(s)



IBM DB2 Storage Optimization Feature	5724-N78	Per Processor Value Unit (PVU)
IBM DB2 Workgroup Server Edition Authorized User Single Install	5765-F35	Per Authorized User Single Install
IBM DB2 Workgroup Server Edition PVU Option	5765-F35	Per Processor Value Unit (PVU)
IBM DB2 Workgroup Server Edition Socket Option	5765-F35	Per Limited Use Socket
IBM DB2 pureScale Feature	5724-Y69	Per Processor Value Unit (PVU)
IBM DB2 pureScale Feature	5724-Y69	PROCESSOR-Day(s)
IBM DB2 pureScale Feature	5724-Y69	Per Authorized User Single Install
IBM Database Enterprise Developer Edition	5724-N76	Per Authorized User for Linux on z
IBM Database Enterprise Developer Edition	5724-N76	PA Per Authorized User
IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition	5724-T19	Per Value Unit
IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition	5724-T19	PROCESSOR-Day(s)

## Charge metrics definitions

### Authorized User Single Install

Authorized User Single Install 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. 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 Authorized User has accessed or has access to more than one Install of the program, the Authorized User requires a separate entitlement for each such Install. Licensee must obtain separate, dedicated entitlements for each Authorized User given access to the program on each Install 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.

### 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](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](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.

## Passport Advantage program licenses

### DB2 AESE

Part description	Part number
IBM DB2 Advanced Enterprise Server Edition Authorized User SI Option	
DB2 AESE Per Author User Single Install Annual SW S&S Rnw1	E0AJ6LL
DB2 AESE Per Author User Single Install Lic + SW S&S 12 Mo	D0GB8LL
DB2 AESE Per Author User Single Install SW S&S Reinstate 12 Mo	D0GB9LL

### DB2 AESE

Part description	Part number
IBM DB2 Advanced Enterprise Server Edition PVU Option	
IBM DB2 Advanced Enterprise Server Edition Per PVU Annual SW S&S Rnw1	E0AJ4LL
IBM DB2 Advanced Enterprise Server Edition Per PVU Lic + SW S&S 12 Mo	D0GB4LL
IBM DB2 Advanced Enterprise Server Edition Per PVU SW S&S Reinstate 12 Mo	D0GB5LL

### DB2 Advanced CEO Offering

Part description	Part number
IBM DB2 Advanced CEO Offering	
DB2 Advanced CEO Bundle Per Authorized User Annual SW S&S Rnw1	E0CUNLL
DB2 Advanced CEO Bundle Per Authorized User Lic + SW S&S 12 Mo	D0LEFLL
DB2 Advanced CEO Bundle Per Authorized User SW S&S Reinstate 12 Mo	D0LEGLL

### DB2 Advanced CEO Offering

Part description	Part number
IBM DB2 Advanced CEO	
DB2 Advanced CEO Per Authorized User Annual SW S&S Rnw1	E0DJWLL
DB2 Advanced CEO Per Authorized User Lic + SW S&S 12 Mo	D0NZILL
DB2 Advanced CEO Per Authorized User SW S&S Reinstate 12 Mo	D0NZJLL

### DB2 CEO Offering

Part description	Part number
IBM DB2 CEO	
DB2 CEO Offering Per Authorized User Annual SW S&S Rnw1	E0DJXLL
DB2 CEO Offering Per Authorized User Lic + SW S&S 12 Mo	D0NZKLL
DB2 CEO Offering Per Authorized User SW S&S Reinstate 12 Mo	D0NZLLL

### DB2 CEO Offering

Part description	Part number
IBM DB2 CEO Offering	
DB2 CEO Offering PA Per Authorized User Annual SW S&S Rnw1	E033WLL
DB2 CEO Offering PA Per Authorized User Lic + SW S&S 12 Mo	D59RCLL
DB2 CEO Offering PA Per Authorized User SW S&S Reinststate 12 Mo	D59RDLL

### **DB2 Enterprise Server Edition**

Part description	Part number
IBM DB2 Enterprise Server Edition PVU Option	
DB2 Enterprise Svr Ed Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E020CLL
DB2 Enterprise Svr Ed Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D55IULL
DB2 Enterprise Svr Ed Per Processor Value Unit (PVU) SW S&S Reinststate 12 Mo	D55IVLL

### **DB2 Enterprise Server Edition**

Part description	Part number
IBM DB2 Enterprise Server Edition Authorized User Single Install	
DB2 Enterprise Svr Ed Per Author User Single Install Annual SW S&S R	E028NLL
DB2 Enterprise Svr Ed Per Author User Single Install Lic + SW S&S 12	D56CILL
DB2 Enterprise Svr Ed Per Author User Single Install SW S&S Reinstat	D56CJLL

### **DB2 Express Edition**

Part description	Part number
IBM DB2 Express Edition Server Option	
DB2 Express Edition Limited Use Virtual Server Annual SW S&S Rnw1	E07BNLL
DB2 Express Edition Limited Use Virtual Server Lic + SW S&S 12 Mo	D0A11LL
DB2 Express Edition Limited Use Virtual Server SW S&S Reinststate	D0A12LL

### **DB2 Express Edition**

Part description	Part number
IBM DB2 Express Edition PVU Option	
DB2 Express Edition PVU Option Processor Value Unit Annual SW S&S Rnw1	E024QLL
DB2 Express Edition PVU Option Processor Value Unit Lic + SW S&S 12 Mo	D55TULL
DB2 Express Edition PVU Option Processor Value Unit SW S&S Reinststate 12 Mo	D55TVLL

### **DB2 Express Edition**

Part description	Part number
IBM DB2 Express Edition AU Single Install Option	
DB2 Express Ed Per Author User Single Install Annual SW S&S R	E00QULL
DB2 Express Ed Per Author User Single Install Lic + SW	D52BKLL

S&S 12  
 DB2 Express Ed Per Author User Single Install SW S&S D52BLLL  
 Reinstat

### DB2 Storage Optimization Feature

Part description	Part number
IBM DB2 Storage Optimization Feature	
DB2 Storage Optimization Feature Processor VU SW S&S Reinstat 12 Mo	D59GGLL
DB2 Storage Optimization Feature Processor Value Unit Annual SW S&S Rnw1	E02ZDLL
DB2 Storage Optimization Feature Processor Value Unit Lic + SW S&S 12 Mo	D59GFLL

### DB2 Workgroup Server Edition

Part description	Part number
IBM DB2 Workgroup Server Edition Socket Option	
DB2 Workgroup Server Edition Limited Use Socket Annual SW S&S Rnw1	E07BQLL
DB2 Workgroup Server Edition Limited Use Socket Lic + SW S&S 12 Mo	D0A1LLL
DB2 Workgroup Server Edition Limited Use Socket SW S&S Reinstat 12 Mo	D0A1MLL

### DB2 Workgroup Server Edition

Part description	Part number
IBM DB2 Workgroup Server Edition PVU Option	
DB2 Workgroup Svr Ed Per Processor Value Unit (PVU) Annual SW S&S Rnw1	E024RLL
DB2 Workgroup Svr Ed Per Processor Value Unit (PVU) Lic + SW S&S 12 Mo	D55TWLL
DB2 Workgroup Svr Ed Per Processor Value Unit (PVU) SW S&S Reinstat 12 Mo	D55TXLL

### DB2 Workgroup Server Edition

Part description	Part number
IBM DB2 Workgroup Server Edition Authorized User Single Install	
DB2 Workgroup Svr Ed Per AU Single Install Lic + SW S&S 12 Mo	D5B77LL
DB2 Workgroup Svr Ed Per AU Single Install Annual SW S&S Rnw1	E1B79LL
DB2 Workgroup Svr Ed Per AU Single Install SW S&S Reinstat 12 Mo	D5B7ALL

### DB2 pureScale Feature

Part description	Part number
IBM DB2 pureScale Feature	
DB2 pureScale Feature Per Author User Single Install Annual SW S&S Rnw1	E0866LL
DB2 pureScale Feature Per Author User Single Install Lic + SW S&S 12 Mo	D0BPYLL
DB2 pureScale Feature Per Author User Single Install SW S&S Reinstat 12 Mo	D0BPZLL
DB2 pureScale Feature Per PVU Annual SW S&S Rnw1	E0867LL
DB2 pureScale Feature Per PVU Lic + SW S&S 12 Mo	D0BQ0LL
DB2 pureScale Feature Per PVU SW S&S Reinstat 12 Mo	D0BQ1LL

## Database Enterprise Developer Edition

Part description	Part number
IBM Database Enterprise Developer Edition Database Enterprise Developer Edition per AU Annual SW S&S Rnw1	E02MRL
Database Enterprise Developer Edition per AU SW S&S Reinststate 12 Mo	D58N6LL
Database Enterprise Developer Edition per Authorized Usr Lic + SW S&S 12 Mo	D58N5LL

## IBM DB2 Express Edition FTL

Part description	Part number
IBM DB2 Express Edition FTL DB2 Express Edition Limited Use Virtual Server Initl FT Lic+S&S 12 Mo	D60PLLL
DB2 Express Edition Limited Use Virtual Server Subsq FT Lic+S&S 12 Mo	E03NALL

## IBM HR Feature for DB2 ESE

Part description	Part number
IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition	
IBM Homogeneous Replication Feature for DB2 ESE VUAnnual SW S&S Rnw1	E044TLL
IBM Homogeneous Replication Feature for DB2 ESE VULic + SW S&S 12 Mo	D61P3LL
IBM Homogeneous Replication Feature for DB2 ESE VUSW S&S Reinststate 12 Mo	D61P2LL

## Passport Advantage trade-up licenses

### DB2 AESE

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Advanced Enterprise Server Edition PVU Option		
IBM DB2 Enterprise Server Edition PVU + POF	IBM DB2 Adv ESE Per PVU fr DB2 ESE + DB2 POF PVU TradeUp Lic + SW S&S 12 Mo	D0GBTLL
IBM DB2 Enterprise Server Edition PVU + SOF	IBM DB2 Adv ESE Per PVU fr DB2 ESE + DB2 SOF PVU TradeUp Lic + SW S&S 12 Mo	D0GBSLL
IBM DB2 Enterprise Server Edition CPU Option	IBM DB2 Adv ESE Per PVU from DB2 ESE per PVU TradeUp Lic + SW S&S 12 Mo	D0GBRLL
IBM DB2 Enterprise Server Edition PVU, POF, SOF	IBM DB2 Advanced ESE Per PVU fr ESE +POF+SOF PVU TradeUp Lic + SW S&S 12 Mo	D0GKKLL
IBM DB2 Enterprise Server Edition CPU Option	IBM InfoSph whse PVU fr DB2 Adv ESE PVU TradeUp Lic + SW S&S 12 Mo	D0G6GLL
IBM DB2 Enterprise Server Edition +IBM Enterprise Warehouse Feature for DB2	IBM InfoSph whse PVU fr DB2 ESE + Base WHse Ftr TradeUp Lic + SW S&S 12 Mo	D0GIJLL
IBM DB2 Enterprise Server Edition +IBM Base Warehouse Feature for DB2	IBM InfoSphe whse PVU fr DB2 ESE + Ent whse PVU TradeUp Lic + SW S&S 12 Mo	D0GIKLL

### DB2 AESE

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Advanced Enterprise Server Edition Authorized User SI Option	DB2 AESE Per AU Single Install fr DB2 ESE AU SI TrdUp Lic + SW S&S 12 Mo	D0GILLL

### DB2 Advanced CEO Offering

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Advanced CEO IBM DB2 CEO	DB2 Advanced CEO AU Sys z fr DB2 CEO AU Trade Up Lic + SW S&S 12 Mo	D0NWQLL
IBM DB2 CEO	DB2 Advanced CEO AU fr DB2 CEO AU Trade Up Lic + SW S&S 12 Mo	D0P0MLL

### DB2 Advanced CEO Offering

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Advanced CEO Offering IBM DB2 CEO Offering	DB2 Advanced CEO Per AU fr DB2 CEO Per AU Trade Up Lic + SW S&S 12 Mo	D0LEHLL

### DB2 CEO Offering

Precursor product	Trade-up product	Trade-up part number
IBM DB2 CEO Competitive	DB2 CEO Per Authorized User fr Competitive Trade Up Lic + SW S&S 12 Mo	D0P0PLL
OEM	DB2 CEO Per Authorized User from OEM Trade Up Lic + SW S&S 12 Mo	D0P0NLL

### DB2 Enterprise Server Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Enterprise Server Edition Authorized User Single Install Qualified Competitor	DB2 Enterprise Svr Ed AU SI fr Qualified Competitor Trade Up Lic +	D58YULL
IBM DB2 Workgroup Server Edition Authorized User Single Install	DB2 Enterprise Svr Ed AU Single Install fr WSE AU SI Trade Up Lic +	D58YTLL

### DB2 Enterprise Server Edition

Precursor product	Trade-up product	Trade-up part number
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IBM DB2 Enterprise Server Edition PVU Option		
DB2 Enterprise Server Edition Restricted Use	DB2 ESE PVU fr DB2 ESE Restr Use Trdup Lic + SW S&S 12 Mo	D570VLL
Qualified Competitor PR	DB2 Enterprise Server Ed PVU fr Qual Comp PVU Lic + SW S&S 12 Mo	D55IWLL
IBM DB2 Workgroup Server Edition CPU Option	DB2 Enterprise Server Edition PVU fr DB2 WSE PVU Lic + SW S&S 12 Mo	D55IXLL

### DB2 Express Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Express Edition PVU Option		
IBM DB2 Personal Edition Client Device	DB2 EXPRESS ED PVU OPT FR PERS ED Client DEV TRDUP Lic + SW S&S 12 Mo	D59E9LL

### DB2 Express Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Express Edition Server Option		
IBM DB2 Express Edition 200 Processor Value Unit	DB2 Express Ed Limited Use Virtual Server Trade Up Fr EXE 200 PVU Lic + SW	D0A1TLL

### DB2 Workgroup Server Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Workgroup Server Edition Authorized User Single Install		
IBM DB2 Express Edition AU Single Install Option	DB2 WSE AU Single Install fr DB2 Express Ed AU SI Trdup Lic + SW S&S 12 Mo	D58Z4LL
Qualified Competitor	DB2 WSE PerAU Single Instl fr Qualified Competitor Trdup Lic + SW S&S 12 Mo	D58Z5LL

### DB2 Workgroup Server Edition

Precursor product	Trade-up product	Trade-up part number
IBM DB2 Workgroup Server Edition PVU Option		
Qualified Competitor	DB2 Workgroup Svr Ed PVU fr Qualified Competitor PVU Trdup Lic + SW S&S 12	D55TYLL
IBM DB2 Express Edition PVU Option	DB2 Workgroup Svr Ed Per PVU fr Express Ed PVU Trade Up Lic + SW S&S 12	D55TZLL

### DB2 Workgroup Server Edition

Precursor product	Trade-up product	Trade-up part number
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IBM DB2 Workgroup Server		
Edition Socket Option		
IBM DB2 Workgroup Server	DB2 WSE Limited Use Socket	D0A1NLL
Edition 100 Processor	TradeUp Fr DB2 WSE 100 PVU	
Value Unit	Lic + SW S&S 12 Mo	

### Passport Advantage supply

Program name/description	Part number
DB2 AESE AU SI Option V10.1.0	
DB2 10.1 Advanced ESE AU Single Install Option MP Multilingual Media Pack	BB1ANML
DB2 AESE PVU Option V10.1.0	
DB2 10.1 Advanced ESE PVU Option Multiplatform Multilingual Media Pack	BB1APML
DB2 ESE AU SI Option V10.1.0	
DB2 10.1 Enterprise Svr Ed AU Single Install Option MP ML Media Pack	BB1AQML
DB2 ESE PVU Option V10.1.0	
DB2 10.1 Enterprise Svr Ed PVU Option Multiplatform ML Media Pack	BB1ARML
DB2 EXE AU SI Option V10.1.0	
DB2 10.1 Express Ed AU Single Install Option MP Multilingual Media Pack	BB1AZML
DB2 EXE FTL Server Option V10.1.0	
DB2 10.1 Express Ed FTL Server Option Multiplatform ML Media Pack	BB1B2ML
DB2 EXE Server Option V10.1.0	
DB2 10.1 Express Ed Server Option Multiplatform Multilingual Media Pack	BB1B1ML
DB2 Express Ed PVU Option V10.1.0	
DB2 10.1 Express Ed PVU Option Multiplatform Multilingual Media Pack	BB1B0ML
DB2 SOF V10.1.0	
DB2 10.1 Storage Optimization Feature Multiplatform ML Media Pack	BB1AWML
DB2 WSE AU SI Option V10.1.0	
DB2 10.1 Workgroup Svr Ed AU Single Install Option MP ML Media Pack	BB1ASML
DB2 WSE PVU Option V10.1.0	
DB2 10.1 Workgroup Svr Ed PVU Option Multiplatform ML Media Pack	BB1ATML
DB2 WSE Socket Option V10.1.0	
DB2 10.1 Workgroup Svr Ed Socket Option Multiplatform ML Media Pack	BB1AUML
DB2 pureScale Feature V10.1.0	
DB2 10.1 pureScale Feature AIX 6 Multilingual Media Pack	BB1B4ML
DEDE V10.1.0	
Database Enterprise Developer Edition 10.1 Multiplatform ML Media Pack	BB1AGML
IBM HR Feature for DB2 ESE V10.1.0	
IBM Homogeneous Replication Ftr for DB2 10.1 ESE Multiplatform ML Media Pack	BB1AXML

### 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 SOF V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBMDB2StorageOptimizationFeatureperValueUnit	DB2 10.1 Storage Optimization Feature Multiplatform ML Media Pack	BB1AWML



### DB2 WSE AU SI Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Workgroup Server Edition Authorized User Single Install	DB2 10.1 Workgroup Svr Ed AU Single Install Option MP ML Media Pack	BBIASML

### DB2 EXE Server Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Express Edition Limited Use Virtual Server Option	DB2 10.1 Express Ed Server Option Multiplatform Multilingual Media Pack	BB1B1ML

### DB2 Express Ed PVU Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Express PVU Option Value Unit	DB2 10.1 Express Ed PVU Option Multiplatform Multilingual Media Pack	BB1B0ML

### DB2 WSE PVU Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Workgroup Server Edition per Processor Value Unit	DB2 10.1 Workgroup Svr Ed PVU Option Multiplatform ML Media Pack	BBIATML

### DEDE V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBMDatabaseEnterpriseDeveloperEditionperAuthorizedUser	Database Enterprise Developer Edition 10.1 Multiplatform ML Media Pack	BB1AGML
IBMDatabaseEnterpriseDeveloperEditionperAuthorizedUserforLinuxonZ	Database Enterprise Developer Edition 10.1 Multiplatform ML Media Pack	BB1AGML

### IBM HR Feature for DB2 ESE V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition per Value Unit	IBM Homogeneous Replication Ftr for DB2 10.1 ESE Multiplatform ML Media Pack	BB1AXML

### DB2 WSE Socket Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Workgroup Server Edition Limited Use Socket	DB2 10.1 Workgroup Svr Ed Socket Option Multiplatform ML Media Pack	BBI AUML

### DB2 pureScale Feature V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 pureScale Feature Authorized User Single Install	DB2 10.1 pureScale Feature AIX 6 Multilingual Media Pack	BB1B4ML
DB2 pureScale Feature Processor Value Unit	DB2 10.1 pureScale Feature AIX 6 Multilingual Media Pack	BB1B4ML

### DB2 EXE FTL Server Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM DB2 Express Edition FTL Server	DB2 10.1 Express Ed FTL Server Option Multiplatform ML Media Pack	BB1B2ML

### DB2 AESE AU SI Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Advanced Enterprise Server Edition Authorized User Single Install	DB2 10.1 Advanced ESE AU Single Install Option MP Multilingual Media Pack	BB1A1NML

### DB2 AESE PVU Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2AdvancedEnterpriseServer EditionPVUforLinuxonSystemz	DB2 10.1 Advanced ESE PVU Option Multiplatform Multilingual Media Pack	BB1A1PML
DB2AdvancedEnterpriseServer EditionProcessorValueUnit	DB2 10.1 Advanced ESE PVU Option Multiplatform Multilingual Media Pack	BB1A1PML

### DB2 ESE PVU Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Enterprise Server Edition Linux on z Value Unit	DB2 10.1 Enterprise Svr Ed PVU Option Multiplatform ML Media Pack	BB1A1RML
DB2 Enterprise Server Edition Proc Value Unit	DB2 10.1 Enterprise Svr Ed PVU Option Multiplatform ML Media Pack	BB1A1RML

### DB2 EXE AU SI Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Express Edition Authorized User Single Install Option	DB2 10.1 Express Ed AU Single Install Option MP Multilingual Media Pack	BB1AZML

### DB2 ESE AU SI Option V10.1.0

Entitled maintenance offerings description	Media packs description	Part number
DB2 Enterprise Server Edition Authorized User SI	DB2 10.1 Enterprise Svr Ed AU Single Install Option MP ML Media Pack	BB1AQML

## Cross-platform products

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### ***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 AESE**

Part description	Part number
IBM DB2 Advanced Enterprise Server Edition PVU Option	
IBM DB2 Advanced Ent Svr Ed Per PVU for Linux Sys z Annual SW S&S Rnw1	E0AJ5LL
IBM DB2 Advanced Ent Svr Ed Per PVU for Linux Sys z Lic + SW S&S 12 Mo	D0GB6LL
IBM DB2 Advanced Ent Svr Ed Per PVU for Linux Sys z SW S&S Reinstate 12 Mo	D0GB7LL

### **DB2 Advanced CEO Offering**

Part description	Part number
IBM DB2 Advanced CEO	
DB2 Advanced CEO Per Aut.U.for Linux on Sys.z Annual SW S&S Rnw1	E0DIPLL
DB2 Advanced CEO Per Aut.U.for Linux on Sys.z Lic + SW S&S 12 Mo	D0NWMLL
DB2 Advanced CEO Per Aut.U.for Linux on Sys.z SW S&S Reinstate 12 Mo	D0NWNLL

### **DB2 Enterprise Server Edition**

Part description	Part number
IBM DB2 Enterprise Server Edition PVU Option	
DB2 Enterprise Svr Ed for Linux on System z PVU Annual SW S&S Rnw1	E020ELL
DB2 Enterprise Svr Ed for Linux on System z PVU Lic + SW S&S 12 Mo	D55J0LL
DB2 Enterprise Svr Ed for Linux on System z PVU SW S&S Reinstate 12 Mo	D55J1LL

### **Database Enterprise Developer Edition**

Part description	Part number
IBM Database Enterprise Developer Edition	
Database Enterprise Developer Ed per AU Linux Sys z SW S&S Reinstate 12 Mo	D58N8LL
Database Enterprise Developer Ed per AU Linux on Sys z Lic + SW S&S 12 Mo	D58N7LL
Database Enterprise Developer Edition per AU Linux Sys z Annual SW S&S Rnw1	E02MSLL

## Trade-up licenses for cross-platform products

### DB2 AESE

Precursor product	Trade-up product	Part number
IBM DB2 Advanced Enterprise Server Edition PVU Option		
IBM DB2 Enterprise Server Edition CPU Option	DB2 AESE P/PVU LIN Sys z fr DB2 ESE PVU LINSys z TrdUp Lic + SW S&S 12 MO	D0LGPLL

### On/Off CoD

#### IBM DB2 Advanced Enterprise Server Edition PVU Option

Part description	Part number
IBM DB2 Advanced Enterprise Server Ed PROCESSOR-Day(s) Per Use-Day 00CoD	D0GBLLL

#### IBM DB2 Enterprise Server Edition PVU Option

Part description	Part number
DB2 Enterprise Svr Ed PROCESSOR-Day(s) Per Use-Day 00CoD	ASQC8LL

#### IBM DB2 Express Edition PVU Option

Part description	Part number
DB2 Express Edition PVU Option Processor Day Per Use-Day 00CoD	D53H1LL

#### IBM DB2 Storage Optimization Feature

Part description	Part number
DB2 Storage Optimization Feature Processor Day Per Use-Day 00CoD	D58UFLL

#### IBM DB2 pureScale Feature

Part description	Part number
DB2 pureScale Feature PROCESSOR-Day(s) Per Use-Day 00CoD	D0BQFLL

#### IBM Homogeneous Replication Feature for DB2 Enterprise Server Edition

Part description	Part number
IBM Homogeneous Replication Ftr for DB2 ESE Processor Day Per Use-Day 00CoD	D61P4LL

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## 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 number	Form number
DB2 AESE	5725-B76	L-VACA-8N2QVW
DB2 Advanced CEO Offering	5725-E89	NA
DB2 CEO Offering	5724-R28	NA
DB2 Enterprise Server Edition	5765-F41	L-VACA-8N6KP9
DB2 Express Edition	5724-E49	L-VACA-8N7Q7H
DB2 Storage Optimization Feature	5724-N78	L-VACA-8NHTFR
DB2 Workgroup Server Edition	5765-F35	L-VACA-8N6RZZ
DB2 pureScale Feature	5724-Y69	L-VACA-8NHS9S
Database Enterprise Developer Edition	5724-N76	L-VACA-8N7THG
IBM DB2 Express Edition FTL	5724-S40	L-VACA-8N7Q7H
IBM HR Feature for DB2 ESE	5724-T19	L-VACA-8NHRBD

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.

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