IBM DB2 11.1 with BLU Acceleration, the multi-workload database software for the next generation of database deployments

At a glance

IBM$^{(R)}$ DB2$^{(R)}$ 11.1 for Linux^{TM}, UNIX^{TM}, and Windows^{TM} delivers the following capabilities:

- A hybrid database software for the always available, mission-critical transactional, analytical, and mixed workload applications with end-to-end security that protects data at rest or in-flight
- A simple to deploy, upgrade, and maintain database with continuous availability for transactional workloads of any size
- Expanded in-memory columnar technology that offers the ultimate scalability and performance for analytics and warehousing workloads

Overview

IBM DB2 for Linux, UNIX, and Windows

IBM DB2 for Linux, UNIX, and Windows is the transformation data platform for transactional and analytical workloads in the era of digital, cloud, and cognitive. It provides continuous availability of data to keep transactional and analytics operations at maximum efficiency. It ensures that access to data is not impacted by any planned or unplanned downtime. DB2 11.1 scales to new heights of performance by enabling its BLU Acceleration$^{(R)}$ capability to be deployed across a massively parallel processing (MPP) network cluster architecture to improve response time. In addition, DB2 11.1 enhances the simplicity of pureScale$^{(R)}$ deployments for transactional workloads and the administration of pureScale clusters. The native encryption feature is also enhanced to support the industry KMIP 1.1 standard for key management across the organization.

New sources of data. Leveraging all data. With the flexibility and simplicity of DB2, clients can deploy the software on-premises or on the cloud to use data from the next-generation type of applications, born-on-the-cloud applications, sensors, web, and mobile-based applications.

Actionable insight. Capture the time value of data. The dynamic, in-memory, column-organized table technology is designed to yield faster analytics from data warehousing without the costs or limits of in-memory only systems. It speeds analytics and reporting with a combination of in-memory and column store data retrieval, optimized use of CPU resources, and data skipping that enables faster

input/output. It results in faster response time and quicker actions for the line of business.

New users, new buyers, and new ways of working. Providing insights everywhere. With DB2 business data is always available to keep your businesses up and running with DB2 pureScale clustering technology. It helps to ensure that your transaction processing is highly available and extremely scalable. DB2 pureScale technology is designed to avoid both planned and unplanned outages and ensure disaster recovery up to thousands of miles. This means virtually no costly downtime.

New economics. Lowering the barriers to new business models. With its different deployment options DB2 offers greater flexibility to extend the reach of the enterprise beyond the walls of the enterprise. Also, unlike other in-memory data store alternatives, DB2 11.1 with BLU Acceleration uses a dynamic, in-memory hybrid column-organized table approach that places only frequently used data in memory to accelerate queries. Thus, unnecessary data does not consume memory resources.

Transformative platform. Making the infrastructure adapt with your business. Businesses need to adapt their business processes to changing consumer behavior. Therefore, they need to eliminate barriers for their developers to innovate quickly and promptly to stay ahead of the competition. DB2, both on-premises and on the cloud, enables the same experience and features to help with transitions between on-premises and cloud business.

Take advantage of fast, reliable, affordable, and future-proof capabilities in five different packages. Access only the function you need. DB2 11.1 editions are tailored for your business needs by features, capacity, and cost.

In addition to the database server enhancements found in version 11, the associated tools (such as DB2 Performance Management Offering with Data Server Manager, DB2 Advanced Recovery Feature, and DB2 Connect™) have also been enhanced to deliver additional capabilities and compatibility across the DB2 11.1 release.

DB2 Direct Standard Edition 11.1 and DB2 Direct Advanced Edition 11.1

DB2 Direct Standard Edition and DB2 Direct Advanced Edition introduce a set of new license metrics to facilitate hybrid cloud deployments. The DB2 Direct Editions deliver the same DB2 functions using a newly introduced simplified license metric, the Virtual Processor Core (VPC) sold as a monthly license charge. You can acquire the product directly online and have the option to deploy either on-premises or on cloud.

DB2 Direct Standard Edition encompasses all of the database features of DB2 Workgroup Server Edition. DB2 Direct Advanced Edition has all of the database features of DB2 Advanced Enterprise Server Edition.

DB2 Connect 11.1

DB2 Connect 11.1 improves connectivity, ease of application deployment, high availability, and security for applications that connect to either DB2 for z/OS[(R)] or DB2 for i. 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 11.1 integrates IBM System z[(R)], DB2 for i, and other enterprise data with client/server, web, and service-oriented architecture (SOA) applications. Version 11.1 delivers significant feature enhancements to improve programmer productivity, deliver a more robust infrastructure, and enable the flexible deployment of DB2 Connect technology. DB2 Connect can also help you reduce administration costs with advances in performance, manageability, and installation.

DB2 Connect Advanced Editions enhance your ability to rely 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[R] technology that is included in the advanced editions of DB2 Connect, you can boost the SQL execution 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, with DB2 Connect Unlimited Advanced Edition, IBM Configuration Manager for z/OS can help you improve the manageability of your connectivity and DB2 z/OS environment.

DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1

DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1 is a new feature available with the DB2 11.1 database release. This feature is a bundle of advanced database backup, recovery, and data extraction tools that can help you improve data availability, mitigate risk, and accelerate crucial administrative tasks when time is of the essence. New releases of each of the individual tools are also available. New features include support for DB2 11.1, including using the tools with DB2 native encryption. The Advanced Recovery Feature bundle contains new releases of the following tools:

- DB2 Merge Backup for Linux, UNIX, and Windows V3.1
- DB2 Recovery Expert for Linux, UNIX, and Windows V5.1
- IBM Optim[TM] High Performance Unload for DB2 for Linux, UNIX, and Windows V6.1

Trial versions of the DB2 Advanced Recovery Feature are available on developerWorks[R] or as part of the DB2 Advanced Workgroup Server Edition, DB2 Advanced Server Edition, and the DB2 Developer Edition.

Key prerequisites

Refer to the Hardware requirements and Software requirements sections.

Planned availability date

June 15, 2016: Electronic download

Description

Whether your business strategy is to drive growth, improve operational results, reduce costs, attract new or retain existing customers, improve IT applications and infrastructure performance, or innovate and create new products, DB2 11.1 with BLU Acceleration offers features and the flexibility that are uniquely designed to help you accomplish more with less.

Analytics at the speed of thought

DB2 BLU Acceleration delivers query results at in-memory speed, leading to faster insights for business analytics, helping you to react more quickly and enable an immediate impact to your business results. With DB2 11.1 you can run DB2 BLU Acceleration as a multi-terabyte data warehouse on either a single server or clustered MPP set of servers.

For optimal implementation of BLU Acceleration, the enhancements to the Data Server Manager tool help you to analyze your workload and decide which tables would yield the greatest benefits when converted to BLU Acceleration column-oriented tables. A management reporting tool is also included that helps you track the percentage of your user data that resides in BLU Acceleration column-oriented tables.

BLU Acceleration is included in DB2 Advanced Enterprise Server Edition, DB2 Advanced Workgroup Server Edition, DB2 Direct Advanced Edition, and DB2 Developer Edition.

Always available business data

The pureScale clustered database technology for "always on" data access now includes support for high availability disaster recovery (HADR). Use HADR to mirror data from your primary pureScale database cluster to a second local or remote standby pureScale cluster. If your entire primary cluster goes offline, the standby cluster is fully synchronized and is designed to take over the load in seconds, minimizing impact on your business and your customers.

The pureScale capability also now includes online fix pack update support. You can apply DB2 11.1 fix packs to individual members running DB2 11.1 in a pureScale cluster without having to take the entire cluster offline. With this enhancement you can now perform fix pack maintenance operations on your pureScale cluster with minimal impact to your users.

The pureScale clustered database technology is included in DB2 Advanced Enterprise Server Edition, DB2 Advanced Workgroup Server Edition, DB2 Direct Advanced Edition, and DB2 Developer Edition.

Easy choices

DB2 11.1 for Linux, UNIX, and Windows makes it easier to choose the edition with the capabilities and tools required to meet your organization's data management needs:

- DB2 Advanced Enterprise Server Edition
- DB2 Enterprise Server Edition
- DB2 Advanced Workgroup Server Edition
- DB2 Workgroup Server Edition
- DB2 Direct Advanced Edition
- DB2 Direct Standard Edition
- DB2 for Big Data
- DB2 Developer Edition

With this packaging structure you choose one or two DB2 Editions that fulfill all of your enterprise's data management requirements. For example, DB2 Advanced Enterprise Server Edition and DB2 Advanced Workgroup Server Edition can be deployed in a single-server or multi-server clustered environment and can handle OLTP, warehouse, and mixed workloads. As a result, both the DB2 Advanced Enterprise Server Edition and DB2 Advanced Workgroup Server Edition give you deployment flexibility without having to compromise on function or performance.

Hassle-free DB2 Edition upgrades

If you already use DB2 for Linux, UNIX, and Windows and would like to upgrade to a more functional edition, certain DB2 11.1 for Linux, UNIX, and Windows editions share a common install image. This means that you can move between those DB2 editions with a simple license key update. You do not need to install new DB2 code on these DB2 11.1 edition upgrades. Furthermore, test cycles are reduced because the edition upgrade unlocks new capabilities in your existing DB2 installation. The following upgrade paths can all be achieved with a license update. To acquire the appropriate trade-up license entitlement, trade-up parts corresponding to these paths are available for purchase.

Source edition	Target edition
DB2 Workgroup Server Edition	DB2 Advanced Workgroup Server Edition
	DB2 Enterprise Server Edition
DB2 Enterprise Server Edition	DB2 Advanced Enterprise Server Edition

Supporting program information

Previous versions of DB2 listed as a supporting program for any DB2 11.1 Edition can be used instead of the DB2 11.1 program, provided the cumulative deployment of DB2 is within the customer's entitlements of DB2. For supporting programs included as part of DB2 11.1, support and maintenance for the supporting programs are included as part of Software Subscription and Support for DB2 11.1, and will only be available until the announced end of support date for the listed supporting program. Therefore, the supporting program may not be supported for the full support period of DB2 11.1. After the end of support date for the supporting program, extended support for the supporting program may be available for purchase.

DB2 Performance Management Offering (includes IBM Data Server Manager)

DB2 Performance Management Offering delivers enterprise-class performance management capabilities to the non-Advanced DB2 Editions that helps you manage performance across all of your DB2 deployments. Data Server Manager Enterprise V2.1 can be obtained through the Performance Management Offering and is included as part of the DB2 Advanced Editions. Data Server Manager V2.1 is a simple, scalable, and smart solution to administer, monitor, manage, and optimize the performance of DB2 for Linux, UNIX, and Windows databases across the enterprise. It is easy to deploy and cloud-ready. It simplifies database administrative tasks for both expert and novice users. New features include more robust pureScale monitoring and database administration enhancements.

Advanced tools for DB2 Linux, UNIX, and Windows

Database tools for DB2 for Linux, UNIX, and Windows are updated in this release to accelerate adoption and enhance the value of key DB2 features, including BLU Acceleration, pureScale, and compression. Refer to the Product positioning section for details about which tools are included in each DB2 edition.

The following releases support DB2 11.1 Linux, UNIX, and Windows:

- Data Server Manager V2.1
- Data Studio V4.1
- InfoSphere[(R)] Data Architect V9.1
- InfoSphere Optim pureQuery Runtime V3.3
- InfoSphere Optim High Performance Unload V6.1
- DB2 Merge Backup V3.1
- DB2 Recovery Expert V5.1

Get a unified view of your heterogeneous data with DB2 11.1

DB2 11.1 now includes data federation and virtualization through a robust SQL interface and a full relational database engine designed for global optimization of data access. This capability offers homogeneous or heterogeneous federation (depending on the DB2 Edition) between select IBM and non-IBM database products. You can quickly prototype and implement solutions involving disparate databases by virtualizing access and optimizing performance. Data can remain in place for both transactional as well as analytical workloads.

DB2 Connect 11.1

DB2 Connect 11.1 delivers fast and robust connectivity to 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 11.1 enables client applications to create, access, update, control, and manage DB2 databases on host systems using the following:

- 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

- Improved serviceability with first failure data capture
- Improved load from client side files
- Support for passive connect (connect without activating the database)

New platform enhancements

- Mac OS 64-bit support
- Java 8 support
- Microsoft™ Windows 10 support
- Node.js support
- Microsoft VisualStudio 2015 and Entity framework updates
- .Net 4.5 Asynch support

Manageability enhancements

- SSL simplification and PKI card support
- OSGI compliance
- Simplify migration from instance based clients, Gateway Server
- Simplify client deployment
- Security enhancements
- SQLJ support with COBOL

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be found on the IBM Accessibility website.

Product positioning

DB2 Editions for production deployment

DB2 Advanced Enterprise Server Edition for Linux, UNIX, and Windows 11.1

DB2 Advanced Enterprise Server Edition includes the functions and tools needed for large, complex enterprise environments, and is ideal for both transactional and data warehouse workloads. This edition includes all the functions and features of the DB2 Enterprise Server Edition with the following:

- Full data compression
- BLU Acceleration
- pureScale clustering
- Workload management
- Distributed partitioning functionality (DPF)
- Federation between DB2 for Linux, UNIX, and Windows databases and databases from other vendors, including Oracle database and SQL Server
- Queue-based replication (Q Replication) between three DB2 for Linux, UNIX, and Windows systems
- Change Data Capture (CDC) replication between a DB2 for Linux, UNIX, and Windows source and another DB2 for Linux, UNIX, and Windows 11.1 target for the purpose of HADR
- Cognos(R) Analytics

The following tools can be used with any supported version of DB2 Advanced Enterprise Server Edition. Similarly, any of these tools that were included with previous versions of DB2 Advanced Enterprise Server Edition can be used with DB2 Advanced Enterprise Server Edition 11.1, if supported.

- IBM Data Server Manager Enterprise Edition
- IBM Data Studio
- InfoSphere(R) Data Architect (10 authorized users)

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.

Program charges: DB2 11.1 Advanced Enterprise Server Edition is available on a processor value unit (PVU), per Authorized User Single Install (AUSI), or per terabyte charge metric.

DB2 Enterprise Server Edition for Linux, UNIX, and Windows 11.1

DB2 Enterprise Server Edition is designed to meet the data server needs of midsize to large-size businesses and is ideal for transactional and mixed workloads. 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. The edition includes the following features and functions:

- IBM Data Studio
- IBM Data Server Manager Base Edition
- Label Based Access Control
- Row and Column Access Control
- Multi-Temperature Data Management
- Time Travel Query, Table
- Partitioning, High Availability Disaster Recovery
- Online Reorganization
- Materialized Query Tables (MQTs)
- Multidimensional Clustering (MDC)
- Query Parallelism
- Scan Sharing
- Connection Concentrator

- pureXML^(R), backup compression
- Tivoli^(R) System Automation for Multiplatforms for use with high availability

The product also includes DB2 Homogeneous Federation and Homogeneous SQL Replication, which enables federated data access and replication between DB2 for Linux, UNIX, and Windows servers.

Program charges: DB2 11.1 Enterprise Server Edition is available on a PVU or AUSI charge metric.

DB2 Advanced Workgroup Server Edition for Linux, UNIX, and Windows 11.1

DB2 Advanced Workgroup Server Edition includes the capabilities needed for medium-sized business environments, and is ideal for both transactional and data warehouse workloads. In addition to the functions and tools in DB2 Advanced Enterprise Server Edition, DB2 Advanced Workgroup Server Edition has the following processor core, socket, and memory restrictions.

Program charges: DB2 11.1 Advanced Workgroup Server Edition is available on a PVU, AUSI, or per terabyte charge metric. Under the PVU and AUSI charge metrics, you are restricted to 16 processor cores and 128 GB of instance memory while under the per terabyte charge metric, you are restricted to 4 processor sockets. These restrictions are per physical or, where partitioned, virtual server except in a pureScale or DPF cluster where the restrictions apply to the entire cluster.

DB2 Workgroup Server Edition for Linux, UNIX, and Windows 11.1

DB2 Workgroup Server Edition is suitable for transactional database workloads in a departmental, workgroup, or medium-sized business environment. The edition shares significant functionality with DB2 Enterprise Server Edition but has the following processor core, and memory restrictions.

Program charges: DB2 11.1 Workgroup Server Edition is available on a per PVU, Virtual Server (VS), or AUSI charge metric. Under all metrics, you are restricted to 16 processor cores and 128 GB of instance memory.

DB2 Direct Advanced Edition for Linux, UNIX, and Windows 11.1

DB2 Direct Advanced Edition includes all the database functionality from the DB2 Advanced Enterprise Server Edition for digital delivery.

DB2 Direct Advanced 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.

Program charges: DB2 11.1 Advanced Enterprise Server Edition is available on per Virtual Processor Core (VPC) charge metric as a monthly license charge.

DB2 Direct Standard Edition for Linux, UNIX, and Windows 11.1

DB2 Direct Standard Edition includes all the functionality from the DB2 Workgroup Server Edition for digital delivery.

Program charges: DB2 Direct Standard Edition is available on a Virtual CPU charge metric. You are restricted to 16 virtual processor cores and 128 GB of instance memory. These restrictions are per physical or virtual server except in a pureScale or DPF cluster where the restrictions apply to the entire cluster.

DB2 for Big Data 11.1

DB2 for Big Data delivers two powerful product capabilities in a single offering that enables you to deploy relational and BigInsights^(R) as needed based on your big data requirements. The product helps protect your investment as you shift data back and forth between relational and BigInsights. The product also offers application portability as you shift data between relational and Hadoop, helping to minimize

technical costs and considerations. It also enables data virtualization to use built-in data virtualization capabilities to unify both relational and Hadoop for applications and users.

DB2 Edition for non-production deployment

DB2 Developer Edition for Linux, UNIX, and Windows 11.1

DB2 Developer Edition offers a package for a single application developer to design, build, test, and prototype applications for deployment on any of the DB2 client or server platforms. This comprehensive developer offering includes DB2 Workgroup Server Edition, DB2 Advanced Workgroup Server Edition, DB2 Enterprise Server Edition, DB2 Advanced Enterprise Server Edition, DB2 Connect Enterprise Edition, and all of the built-in DB2 11.1 capabilities, enabling you to build solutions that use 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 unique person who is given access to the Program.

DB2 11.1 for Linux, UNIX, and Windows purchasable features

DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1

DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1 is available in conjunction with the DB2 11.1 database release. This feature consists of advanced database backup, recovery, and data extraction tools that can help you improve data availability, mitigate risk, and accelerate crucial administrative tasks when time is of the essence. New features of the tools include support for DB2 11.1, including using the tools with DB2 native encryption. The Advanced Recovery Feature bundle contains the following new releases of the included tools:

- DB2 Merge Backup for Linux, UNIX, and Windows V3.1
- DB2 Recovery Expert for Linux, UNIX, and Windows V5.1
- Optim High Performance Unload for DB2 for Linux, UNIX, and Windows V6.1

Trial versions of the DB2 Advanced Recovery Feature are available on developerWorks or as part of the DB2 Advanced Editions/DB2 Developers Edition packages.

Program charges: DB2 11.1 Advanced Recovery Feature is available under AUSI, PVU, per terabyte, and new DB2 Flex charge metrics. You must acquire the same metric and number of entitlements as you have acquired for the DB2 for Linux, UNIX, and Windows server that you will be running this feature on.

DB2 Performance Management Offering

DB2 Performance Management Offering helps organizations manage their DB2 databases across the enterprise through tooling that has a common integrated console, enhanced simplicity, improved performance and scalability, and simplified workflow with actionable recommendations. Organizations can do the following:

- Simplify database administration and reduce errors with integrated web console to view and monitor the health of databases across the enterprise.
- Identify, diagnose, prevent, and solve performance problems with a more predictable database server execution environment.
- Track and manage client/server and database environment efficiently with centralized management.
- Optimize database performance with expert recommendations on query design, unique indexes, and statistics quality.

In the past, these performance management tools were primarily available with DB2 Advanced editions. However, now with DB2 Performance Management Offering,

organizations can get access to these tools for DB2 Enterprise Edition and DB2 Workgroup Server Edition.

Detailed DB2 11.1 package comparison

The following table summarizes the functions available in each edition of DB2 11.1 for Linux, UNIX, and Windows:

WSE = DB2 Workgroup Server Edition

AWSE = DB2 Advanced Workgroup Server Edition

DSE = DB2 Direct Standard Edition

ESE = DB2 Enterprise Server Edition

AESE = DB2 Advanced Enterprise Server Edition

DAE = DB2 Direct Advanced Edition

Developer = DB2 Developer Edition

Function	WSE/ DSE	AWSE	ESE	AESE/ DAE	Developer
BLU Acceleration	-	Yes	-	Yes	Yes
pureScale	Yes (1)	Yes	Yes (1)	Yes	Yes
Data Partitioning	-	Yes	-	Yes	Yes
pureXML Storage	Yes	Yes	Yes	Yes	Yes
Time Travel Query	Yes	Yes	Yes	Yes	Yes
Compression (row, adaptive, index)	-	Yes	-	Yes	Yes
Compression (backup)	Yes	Yes	Yes	Yes	Yes
Row and Column Access Control	Yes	Yes	Yes	Yes	Yes
Label Based Access Control	Yes	Yes	Yes	Yes	Yes
SQL Replication (2)	Yes	Yes	Yes	Yes	Yes
Federation capabilities (4)	Yes (3)	Yes (5)	Yes (3)	Yes (5)	Yes (5)
WebSphere(R) MQ	Yes	Yes	Yes	Yes	Yes
High Availability Disaster Recovery	Yes	Yes	Yes	Yes	Yes
Tivoli System Automation	Yes	Yes	Yes	Yes	Yes
Online Reorg	Yes	Yes	Yes	Yes	Yes

Function	WSE/DSE	AWSE	ESE	AESE/DAE	Developer
Advanced Copy Services	Yes	Yes	Yes	Yes	Yes
Multi-temperature Storage	Yes	Yes	Yes	Yes	Yes
Materialized Query Tables	-	Yes	Yes	Yes	Yes
Multi-Dimensional Clustering	Yes	Yes	Yes	Yes	Yes
Query Parallelism	Yes	Yes	Yes	Yes	Yes
Connection Concentrator	Yes	Yes	Yes	Yes	Yes
Table Partitioning	Yes	Yes	Yes	Yes	Yes
Plan Lockdown	Yes	Yes	Yes	Yes	Yes
Scan Sharing	Yes	Yes	Yes	Yes	Yes
Workload Management	Yes (6)	Yes	Yes (6)	Yes	Yes
MQ Replication (7)	-	Yes	-	Yes	Yes
CDC Replication (7, 8)	-	Yes	-	Yes	Yes
Continuous Data Ingest	Yes	Yes	Yes	Yes	Yes
DB2 Connect	-	Yes (9)	-	Yes (9)	Yes

Notes:

1. Only to allow for an idle standby member within a pureScale cluster.
2. To DB2 for Linux, UNIX, and Windows data source only. Requires DB2 Connect or InfoSphere Replication when replicating with DB2 for z or DB2 for i.
3. Federation includes only DB2 and Informix$^{(R)}$ data sources.
4. Requires DB2 Connect when federating with DB2 for z and/or DB2 for i.
5. Federation includes all supported IBM and non-IBM data sources.
6. Available with the Performance Management Offering.
7. Restricted to a source DB2 for Linux, UNIX, and Windows server and no more than two other DB2 for Linux, UNIX, and Windows servers.
8. Restricted to unidirectional replication without data transformations between DB2 for Linux, UNIX, and Windows servers of the same version for the purpose of high availability/disaster recovery and for supporting shadow table functionality between a single DB2 for LUW instance to replicate from row-organized tables into column-organized tables.
9. For the purposes of using SQW tooling to access DB2 for z and DB2 for i.

The following table summarizes the tools available in each edition of DB2 11.1 for Linux, UNIX, and Windows:

WSE = DB2 Workgroup Server Edition

AWSE = DB2 Advanced Workgroup Server Edition

DSE = DB2 Direct Standard Edition

ESE = DB2 Enterprise Server Edition

AESE = DB2 Advanced Enterprise Server Edition

DAE = DB2 Direct Advanced Edition

Developer = DB2 Developer Edition

Feature/ Tool	WSE/ DSE	AWSE	ESE	AESE/ DAE	Developer
Advanced Recovery Feature (1)	OPT	OPT	OPT	OPT	OPT
DB2 Performance Management Offering	OPT	Yes	OPT	Yes	Yes
WHS Design Studio	-	Yes	-	Yes	Yes
WHS SQW	-	Yes	-	Yes	Yes
Cognos Analytics (2)	-	Yes	-	Yes/No	Yes
Data Studio	Yes	Yes	Yes	Yes	Yes
Data Server Manager Enterprise	Yes (3)	Yes	Yes (3)	Yes	Yes
Data Server Manager Base	Yes	-	Yes	-	Yes
InfoSphere Data Architect Capabilities	-	Yes (4)	-	Yes (4)	Yes

Notes:

1. Optional, separately priced DB2 feature.
2. Limit to 5 authorized users in Cognos Analytics.
3. Available with the Performance Management Offering.
4. Limit to 10 authorized users in Data Architect.

The following tables summarize the charge metrics and resource limits applicable to each edition of DB2 11.1 for Linux, UNIX, and Windows:

WSE = DB2 Workgroup Server Edition

AWSE = DB2 Advanced Workgroup Server Edition

ESE = DB2 Enterprise Server Edition

AESE = DB2 Advanced Enterprise Server Edition

Developer = DB2 Developer Edition

Attribute	WSE	AWSE	ESE	AESE	Developer
Pricing Metric (1)	AUSI	AUSI	AUSI	AUSI	AU
	VS	PVU	PVU	PVU	

Attribute	WSE	AWSE	ESE	AESE	Developer
	PVU	TB		TB	
Processor Core Limit (number of cores)	16	16 (2)	Not applicable	Not applicable	Not applicable
Processor Socket Limit (number of sockets)	4	4 (3)	Not applicable	Not applicable	Not applicable
DB2 Instance Memory Limitation	128 GB	128 GB (2)	Not applicable	Not applicable	Not applicable

Notes:

1. Key:

    AUSI - Authorized User Single Install

    VS - Virtual Server

    PVU - Processor Value Unit

    FTL - Fixed Term License

    TB - Terabyte

    AU - Authorized User

2. Applies to the AUSI and PVU metrics only
3. Applies to the TB metric only

DSE = DB2 Direct Standard Edition

DAE = DB2 Direct Advanced Edition

DBD = DB2 for Big Data

Attribute	DSE	DAE	DBD
Pricing Metric (refer to key below)	VPC	VPC	PVU
			TB
Processor Core Limit (number of cores)	16	Not applicable	Not applicable
DB2 Instance Memory Limitation	128 GB	Not applicable	Not applicable

Key:

- VPC -- Virtual Processor Core
- PVU - Processor Value Unit
- TB - Terabyte

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 and IBM Configuration

Manager for z/OS that can be used in conjunction with DB2 Connect. The pureQuery technology, which is included, offers further improved performance and enhanced application security features. The Configuration Manager technology, which is included, offers enhanced manageability of connectivity and DB2 z environments.

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[(R)]

DB2 Connect Unlimited Edition for System i is ideal for organizations with extensive usage of DB2 Connect to access 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 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.

Program number

Program number	VRM	Program name
5725-L47	11.1.0	IBM DB2 Advanced Enterprise Server Edition for Linux, UNIX, and Windows
5765-F41	11.1.0	IBM DB2 Enterprise Server Edition for Linux, UNIX, and Windows
5725-L15	11.1.0	IBM DB2 Advanced Workgroup Server Edition

Program number	VRM	Program name
		for Linux, UNIX, and Windows
5765-F35	11.1.0	IBM DB2 Workgroup Server Edition for Linux, UNIX, and Windows
5724-N76	11.1.0	IBM DB2 Developer Edition
5725-L16	11.1.0	IBM DB2 Advanced Recovery Feature for Linux, UNIX, and Windows
5724-R28		IBM DB2 CEO Offering
5725-E89		IBM DB2 Advanced CEO Offering
5725-Y59	11.1.0	IBM DB2 for Big Data
5725-T27	11.1.0	IBM DB2 Performance Management Offering
5724-B90	6.1.0	IBM InfoSphere Optim High Performance Unload for DB2 for Linux, UNIX, and Windows
5724-H93	5.1.0	IBM DB2 Recovery Expert for Linux, UNIX, and Windows
5725-B07	3.1.0	IBM DB2 Merge Backup for Linux, UNIX, and Windows
5724-B62	11.1.0	IBM DB2 Connect Unlimited Edition for System z
5724-Z19	11.1.0	IBM DB2 Connect Application Server Advanced Edition
5765-F30	11.1.0	IBM DB2 Connect Enterprise Edition
5724-D54	11.1.0	IBM DB2 Connect Application Server Edition
5724-Z18	11.1.0	IBM DB2 Connect Unlimited Advanced Edition for System z
5724-M15	11.1.0	IBM DB2 Connect Unlimited Edition for System i
5725-Z98	11.1.0	IBM DB2 Direct Standard Edition
5725-Z99	11.1.0	IBM DB2 Direct Advanced Edition

Education support

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.

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IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers can be found on IBM authorized training website.

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

Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage(R) and Passport Advantage Express(R) website.

Publications

None

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, go to the IBM Software Services website.

Technical information

Specified operating environment

Hardware requirements

The hardware requirements of DB2 products may be occasionally updated. To obtain the current information for supported hardware, go to the DB2 for Linux, UNIX and Windows website.

Software requirements

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, go to the DB2 for Linux, UNIX and Windows website.

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.

Limitations

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You can also access the IBM Support Portal page and the online Service requests and PMRs tool for more support.

Planning information

Packaging

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Direct customer support

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 (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 (Software Maintenance) can be extended by the purchase of a renewal option, if available.

Security, auditability, and control

DB2 for Linux, UNIX, and Windows 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.

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Passport Advantage

5725-T27 - IBM DB2 Performance Management Offering

Program name/Description	Part number
IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server License + SW Subscription & Support 12 Months	D1MHVLL
IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server SW Subscription & Support Renewal	E0MKULL
IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server SW Subscription & Support Reinstatement 12 Months	D1MHWLL
IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server Monthly License	D1MHYLL
IBM DB2 Performance Management Offering for DB2 Direct Standard Edition per Virtual Processor Core Monthly License	D1MTXLL
IBM DB2 Performance Management Offering for DB2 Direct Standard Edition per Virtual Processor Core for Linux on System z Monthly License	D1MU6LL

5765-F35 - IBM DB2 Workgroup Server Edition

Program name/Description	Part number
IBM DB2 Workgroup Server Edition per Virtual Server License + SW Subscription & Support 12 Months	D1MHTLL
IBM DB2 Workgroup Server Edition per Virtual Server Annual SW Subscription & Support Renewal	E0MKTLL
IBM DB2 Workgroup Server Edition per Virtual Server SW Subscription & Support Reinstatement 12 Months	D1MHULL
IBM DB2 Workgroup Server Edition per Virtual Server Monthly License	D1MHXLL

5724-B62 - IBM DB2 Connect Unlimited Edition for System z

Program name/Description	Part number
IBM DB2 Connect Unlimited Edition for System z per Host Server Monthly License	D1MRHLL
IBM DB2 Connect Unlimited Edition for System z per Host Server for Linux on System z Monthly License	D1MRILL
IBM DB2 Connect Unlimited Edition for System z per Millions of Service Units Monthly License	D1MRJLL
IBM DB2 Connect Unlimited Edition for System z per Millions of Service Units for Linux on System z Monthly License	D1MRKLL

5724-D54 - IBM DB2 Connect Application Server Edition

Program name/Description	Part number
IBM DB2 Connect Application Server Edition per Processor Value Unit Monthly License	D1MRLLL
IBM DB2 Connect Application Server Edition per Processor Value Unit for Linux on System z Monthly License	D1MRMLL

5724-M15 - IBM DB2 Connect Unlimited Edition for System i

Program name/Description	Part number
IBM DB2 Connect Unlimited Edition for System i per Processor Value Unit Monthly License	D1MRNLL

5765-F30 - IBM DB2 Connect Enterprise Edition

Program name/Description	Part number
IBM DB2 Connect Enterprise Edition per 25 Authorized Users Monthly License	D1MWPLL
IBM DB2 Connect Enterprise Edition per 25 Authorized Users for Linux on System z Monthly License	D1MRVLL
IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install Monthly License	D1MRWLL
IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install for Linux on System z Monthly License	D1MRXLL

5725-Z98 - IBM DB2 Direct Standard Edition

Program name/Description	Part number
IBM DB2 Direct Standard Edition per Virtual Processor Core Monthly License	D1MUMLL
IBM DB2 Direct Standard Edition per Virtual Processor Core for Linux on System Z Monthly License	D1MUJLL

5725-Z99 - IBM DB2 Direct Advanced Edition

Program name/Description	Part number
IBM DB2 Direct Advanced Edition per Virtual Processor Core Monthly License	D1MU5LL
IBM DB2 Direct Advanced Edition per Virtual Processor Core for Linux on System z Monthly License	D1MU2LL

5725-L16 - IBM DB2 Advanced Recovery Feature

Program name/Description	Part number
IBM DB2 Advanced Recovery Feature per Virtual Processor Core Monthly License	D1MTTLL
IBM DB2 Advanced Recovery Feature per Virtual Processor Core for Linux on System z Monthly License	D1MTULL
IBM DB2 Advanced Recovery Feature per Virtual Server Monthly License	D1MTNLL
IBM DB2 Advanced Recovery Feature per Virtual Server License + SW Subscription & Support 12 Months	D1MTLLL
IBM DB2 Advanced Recovery Feature per Virtual Server Annual SW Subscription & Support Renewal	E0MLSLL
IBM DB2 Advanced Recovery Feature per Virtual Server SW Subscription & Support Reinstatement 12 Months	D1MTMLL

5725-L15 - IBM DB2 Advanced Workgroup Server Edition

Program name/Description	Part number
IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License + SW Subscription & Support 12 Months	D1MWLLL
IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License Annual SW Subscription & Support Renewal	E0MMJLL
IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License SW Subscription & Support Reinstatement 12 Months	D1MWMLL

Program name/Description	Part number
IBM DB2 OEM High Capacity Add-on per Virtual Processor Core Monthly License	D1MWNLL

Charge metric

Program name	Part number or PID number	Charge metric
IBM DB2 Connect Unlimited Edition for System z	5724-B62	Per Host Server
IBM DB2 Connect Unlimited Edition for System z	5724-B62	Per Millions of Service Units
IBM DB2 Connect Unlimited Edition for System z for Linux on System z	5724-B62	Per Host Server
IBM DB2 Connect Unlimited Edition for System z for Linux on System z	5724-B62	Per Millions of Service Units
IBM DB2 Connect Application Server Edition	5724-D54	Per Processor Value Unit
IBM DB2 Connect Application Server Edition for Linux on System z	5724-D54	Per Processor Value Unit
IBM DB2 Advanced Workgroup Server Edition	5725-L15	Per Virtual Processor Core
IBM DB2 Advanced Workgroup Server Edition for Linux on System z	5725-L15	Per Virtual Processor Core
IBM DB2 Advanced Recovery Feature	5725-L16	Per Virtual Server
IBM DB2 Advanced Recovery Feature	5725-L16	Per Virtual Processor Core
IBM DB2 Advanced Recovery Feature for Linux on System z	5725-L16	Per Virtual Processor Core
IBM DB2 Performance Management Offering	5725-T27	Per Virtual Server
IBM DB2 Performance Management Offering	5725-T27	Per Virtual Processor Core
IBM DB2 Performance Management Offering for Linux on System z	5725-T27	Per Virtual Processor Core
IBM Direct Standard Edition	5725-Z98	Per Virtual Processor Core
IBM Direct Standard Edition for Linux on System z	5725-Z98	Per Virtual Processor Core
IBM DB2 Direct Advanced Edition	5725-Z99	Per Virtual Processor Core
IBM DB2 Direct Advanced Edition for Linux on System z	5725-Z99	Per Virtual Processor Core
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Authorized User
IBM DB2 Connect Enterprise Edition for Linux on System z	5765-F30	Per 25 Authorized User
IBM DB2 Connect Enterprise Edition	5765-F30	Per 25 Floating User Single Installs

Program name	Part number or PID number	Charge metric
IBM DB2 Connect Enterprise Edition for Linux on System z	5765-F30	Per 25 Floating User Single Installs
IBM DB2 Workgroup Server Edition	5765-F35	Per Virtual Server
IBM DB2 Connect Unlimited Edition for System i	5724-M15	Per Processor Value Unit

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License Information number

Program name	License Information Number
DB2 Advanced Enterprise Server Edition 11.1	L-STAG-A5YRBB
DB2 Direct Advanced Edition 11.1	L-STAG-A8GJWA
DB2 for Big Data 11.1	L-STAG-A8KJ8X
DB2 Developer Edition 11.1	L-STAG-A6TQDJ
DB2 Advanced Workgroup Server Edition 11.1	L-STAG-A6TQ44
DB2 Direct Standard Edition 11.1	L-STAG-A8GJZ2
DB2 Workgroup Server Edition 11.1	L-STAG-A6TQ6M
DB2 Enterprise Server Edition 11.1	L-STAG-A6TQ5Z
DB2 Performance Management Offering 11.1	L-STAG-A7PUFD

Program name	License Information Number
DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1	L-STAG-A7PUHP
DB2 High Capacity Add-on 11.1 for Linux, UNIX, and Windows	L-STAG-A7VP9G
DB2 Components 11.1	L-STAG-A7VTDY
DB2 Express-C 11.1 for Linux and Windows	L-STAG-A7PUBL
DB2 Connect Enterprise Edition	L-STAG-A6TQB2
DB2 Connect Application Server Edition	L-STAG-A6TQC8
DB2 Connect Application Server Advanced Edition	L-STAG-A6TQ7U
DB2 Connect Unlimited Edition for System i	L-STAG-A6TQ8Q
DB2 Connect Unlimited Edition for System z	L-STAG-A6TQCV
DB2 Connect Unlimited Advanced Edition for System z	L-STAG-A6TQ9E

See the License Information documents page on the IBM Software License
Agreement website for more information.

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
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of the program or that IBM will correct all program defects. You are responsible for
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Program technical support

Technical support of a program product version or release will be available for a
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The DB2 Direct Standard Edition and DB2 Direct Advanced Edition have an additional
support requirement. In order for a client to receive support, the client must be
using a code level that is no more than two years old. A code level is defined as
either a version, release, mod, or fixpack. For example, a client using DB2 11.1
General Availability, which became available on June 15, 2016, will be able to
receive support for this code level (while still paying the subscription license) until
June 15, 2018. To receive support post June 15, 2018, clients will need to update to
a more recent DB2 11.1 code level that is less than two years old.

This technical support allows you to obtain assistance (by telephone or electronic
means) from IBM for product-specific, task-oriented questions regarding the
installation and operation of the program product. Software Subscription and
Support (Software Maintenance) also provides you with access to updates
(modifications or fixes), releases, and versions of the program. You will be notified,
through an announcement letter, of discontinuance of support with 12 months'
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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

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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Volume orders (IVO)

Yes. Contact your IBM representative.

Passport Advantage applies

Yes, information is available on the Passport Advantage and Passport Advantage Express website.

Usage restriction

Yes

See the License Information documents page on the IBM Software License Agreement website for more information.

Software Subscription and Support applies

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the Passport Advantage and Passport Advantage Express website.

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

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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 organizations that are Electronic Service Agent tool-enabled 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 human intervention is not required to report errors.

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 is designed to securely transmit either through the Internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization's system.

For additional information, go to the http://www.ibm.com/support/esa website.

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Prices

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 to access the https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller website.

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Passport Advantage

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For questions regarding Software Value Plus, go to the IBM Software Value Plus website.

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

Corrections

(Corrected on May 31. 2016)

In the Overview section updated the last sentence of the first paragraph. In the Product positioning section under the heading for DB2 Direct Standard Edition changed DB2 Advanced Workgroup Server Edition to DB2 Workgroup Server Edition. In the Program technical support section replaced the second paragraph with updated text.