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

Table of contents
1 Overview
3 Key prerequisites
3 Planned availability date
3 Description
6 Product positioning
15 Program number

17 Publications
17 Technical information
18 Ordering information
22 Terms and conditions
26 Prices
27 Announcement countries
27 Corrections

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 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® 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®, 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™ 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™ High Performance Unload for DB2 for Linux, UNIX, and Windows V6.1


**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.

**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.


**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.

<table>
<thead>
<tr>
<th>Source edition</th>
<th>Target edition</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB2 Workgroup Server Edition</td>
<td>DB2 Advanced Workgroup Server Edition</td>
</tr>
<tr>
<td></td>
<td>DB2 Enterprise Server Edition</td>
</tr>
</tbody>
</table>
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® 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 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 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\textsuperscript{R}, backup compression
- Tivoli\textsuperscript{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.

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\textsuperscript{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
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

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

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

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

<table>
<thead>
<tr>
<th>Attribute</th>
<th>WSE</th>
<th>AWSE</th>
<th>ESE</th>
<th>AESE</th>
<th>Developer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pricing Metric (1)</td>
<td>AUSI</td>
<td>AUSI</td>
<td>AUSI</td>
<td>AUSI</td>
<td>AU</td>
</tr>
</tbody>
</table>

IBM Europe, Middle East, and Africa Software  
IBM is a registered trademark of International Business Machines Corporation  
Announcement ZP16-0191
<table>
<thead>
<tr>
<th>Attribute</th>
<th>WSE</th>
<th>AWSE</th>
<th>ESE</th>
<th>AESE</th>
<th>Developer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor Core Limit (number of cores)</td>
<td>PVU</td>
<td>TB</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>TB</td>
</tr>
<tr>
<td>Processor Socket Limit (number of sockets)</td>
<td>16</td>
<td>16 (2)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Processor Instance Memory Limitation</td>
<td>128 GB</td>
<td>128 GB (2)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Attribute</th>
<th>DSE</th>
<th>DAE</th>
<th>DBD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pricing Metric (refer to key below)</td>
<td>VPC</td>
<td>VPC</td>
<td>PVU</td>
</tr>
<tr>
<td>Processor Core Limit (number of cores)</td>
<td>16</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DB2 Instance Memory Limitation</td>
<td>128 GB</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**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**

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.

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5725-L47</td>
<td>11.1.0</td>
<td>IBM DB2 Advanced Enterprise Server Edition for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5765-F41</td>
<td>11.1.0</td>
<td>IBM DB2 Enterprise Server Edition for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5725-L15</td>
<td>11.1.0</td>
<td>IBM DB2 Advanced Workgroup Server Edition</td>
</tr>
<tr>
<td>Program number</td>
<td>VRM</td>
<td>Program name</td>
</tr>
<tr>
<td>----------------</td>
<td>-------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5765-F35</td>
<td>11.1.0</td>
<td>IBM DB2 Workgroup Server Edition for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5724-N76</td>
<td>11.1.0</td>
<td>IBM DB2 Developer Edition</td>
</tr>
<tr>
<td>5725-L16</td>
<td>11.1.0</td>
<td>IBM DB2 Advanced Recovery Feature for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5724-R28</td>
<td></td>
<td>IBM DB2 CEO Offering</td>
</tr>
<tr>
<td>5725-E89</td>
<td></td>
<td>IBM DB2 Advanced CEO Offering</td>
</tr>
<tr>
<td>5725-Y59</td>
<td>11.1.0</td>
<td>IBM DB2 for Big Data</td>
</tr>
<tr>
<td>5725-T27</td>
<td>11.1.0</td>
<td>IBM DB2 Performance Management Offering</td>
</tr>
<tr>
<td>5724-B90</td>
<td>6.1.0</td>
<td>IBM InfoSphere Optim High Performance Unload for DB2 for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5724-H93</td>
<td>5.1.0</td>
<td>IBM DB2 Recovery Expert for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5725-B07</td>
<td>3.1.0</td>
<td>IBM DB2 Merge Backup for Linux, UNIX, and Windows</td>
</tr>
<tr>
<td>5724-B62</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Unlimited Edition for System z</td>
</tr>
<tr>
<td>5724-Z19</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Application Server Advanced Edition</td>
</tr>
<tr>
<td>5765-F30</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Enterprise Edition</td>
</tr>
<tr>
<td>5724-D54</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Application Server Edition</td>
</tr>
<tr>
<td>5724-Z18</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Unlimited Advanced Edition for System z</td>
</tr>
<tr>
<td>5724-M15</td>
<td>11.1.0</td>
<td>IBM DB2 Connect Unlimited Edition for System i</td>
</tr>
<tr>
<td>5725-Z98</td>
<td>11.1.0</td>
<td>IBM DB2 Direct Standard Edition</td>
</tr>
<tr>
<td>5725-Z99</td>
<td>11.1.0</td>
<td>IBM DB2 Direct Advanced Edition</td>
</tr>
</tbody>
</table>

**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.

For certification information, go to the IBM Professional Certification Program website.

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.

Contact your IBM representative for course information.
Offering Information

Product information is available on the IBM Offering Information website.

More information is also available on the Passport Advantage\(^\text{(R)}\) and Passport Advantage Express\(^\text{(R)}\) website.

Publications

None

Services

Global Technology Services

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

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

Additional information can be found on the License Information documents found on the IBM Software License Agreement website.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement. Read about the Electronic Support portfolio of tools on the IBM Electronic Support website.

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

Packaging

This offering is delivered through the Internet. There is no physical media.

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

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.

Ordering information

For ordering information, consult your IBM representative or authorized IBM Business Partner, or go to the http://www.ibm.com/software/support/pa.html website.

This product is only available through 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.

More information can be found on the IBM Software Value Plus website.

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, go to the Find a Business Partner page.

Passport Advantage

5725-T27 - IBM DB2 Performance Management Offering

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server License + SW Subscription &amp; Support 12 Months</td>
<td>D1MHVLL</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition</td>
<td>E0MKULL</td>
</tr>
<tr>
<td>Program name/Description</td>
<td>Part number</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>per Virtual Server SW Subscription &amp; Support Renewal</td>
<td></td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D1MHWLL</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Workgroup Server Edition per Virtual Server Monthly License</td>
<td>D1MHYLL</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Direct Standard Edition per Virtual Processor Core Monthly License</td>
<td>D1MTXLL</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for DB2 Direct Standard Edition per Virtual Processor Core for Linux on System z Monthly License</td>
<td>D1MU6LL</td>
</tr>
</tbody>
</table>

5765-F35 - IBM DB2 Workgroup Server Edition

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Workgroup Server Edition per Virtual Server License + SW Subscription &amp; Support 12 Months</td>
<td>D1MHTLL</td>
</tr>
<tr>
<td>IBM DB2 Workgroup Server Edition per Virtual Server Annual SW Subscription &amp; Support Renewal</td>
<td>E0MKTLL</td>
</tr>
<tr>
<td>IBM DB2 Workgroup Server Edition per Virtual Server SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D1MHULL</td>
</tr>
<tr>
<td>IBM DB2 Workgroup Server Edition per Virtual Server Monthly License</td>
<td>D1MHXLL</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z per Host Server Monthly License</td>
<td>D1MRHLL</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z per Host Server for Linux on System z Monthly License</td>
<td>D1MRILL</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z per Millions of Service Units Monthly License</td>
<td>D1MRJLL</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z per Millions of Service Units for Linux on System z Monthly License</td>
<td>D1MRKLL</td>
</tr>
</tbody>
</table>

5724-D54 - IBM DB2 Connect Application Server Edition

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Connect Application Server Edition per Processor Value Unit Monthly License</td>
<td>D1MRLLL</td>
</tr>
<tr>
<td>IBM DB2 Connect Application Server Edition per Processor Value Unit for Linux on System z Monthly License</td>
<td>D1MRMLL</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System i per Processor Value Unit Monthly License</td>
<td>D1MRNLL</td>
</tr>
</tbody>
</table>

5765-F30 - IBM DB2 Connect Enterprise Edition

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Connect Enterprise Edition per 25 Authorized Users Monthly License</td>
<td>D1MWPLL</td>
</tr>
<tr>
<td>Program name/Description</td>
<td>Part number</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition per 25 Authorized Users for Linux on System z Monthly License</td>
<td>D1MRVLL</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install Monthly License</td>
<td>D1MRWLL</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition per 25 Floating User Single Install for Linux on System z Monthly License</td>
<td>D1MRXLL</td>
</tr>
</tbody>
</table>

**5725-Z98 - IBM DB2 Direct Standard Edition**

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Direct Standard Edition per Virtual Processor Core Monthly License</td>
<td>D1MUMLL</td>
</tr>
<tr>
<td>IBM DB2 Direct Standard Edition per Virtual Processor Core for Linux on System z Monthly License</td>
<td>D1MUJLL</td>
</tr>
</tbody>
</table>

**5725-Z99 - IBM DB2 Direct Advanced Edition**

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Direct Advanced Edition per Virtual Processor Core Monthly License</td>
<td>D1MU5LL</td>
</tr>
<tr>
<td>IBM DB2 Direct Advanced Edition per Virtual Processor Core for Linux on System z Monthly License</td>
<td>D1MU2LL</td>
</tr>
</tbody>
</table>

**5725-L16 - IBM DB2 Advanced Recovery Feature**

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Processor Core Monthly License</td>
<td>D1MTTLL</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Processor Core for Linux on System z Monthly License</td>
<td>D1MTULL</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Server Monthly License</td>
<td>D1MTNLL</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Server License + SW Subscription &amp; Support 12 Months</td>
<td>D1MTLLL</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Server Annual SW Subscription &amp; Support Renewal</td>
<td>E0MLSLL</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature per Virtual Server SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D1MTMPLL</td>
</tr>
</tbody>
</table>

**5725-L15 - IBM DB2 Advanced Workgroup Server Edition**

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License + SW Subscription &amp; Support 12 Months</td>
<td>D1MWLLL</td>
</tr>
<tr>
<td>IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License Annual SW Subscription &amp; Support Renewal</td>
<td>E0MMJLL</td>
</tr>
<tr>
<td>IBM DB2 OEM High Capacity Add-on per Virtual Processor Core License SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D1MWMLL</td>
</tr>
<tr>
<td>IBM DB2 OEM High Capacity Add-on per Virtual Processor Core Monthly License</td>
<td>D1MWNL</td>
</tr>
<tr>
<td>Program name</td>
<td>Part number or PID number</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z</td>
<td>5724-B62</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z</td>
<td>5724-B62</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z for Linux on System z</td>
<td>5724-B62</td>
</tr>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System z for Linux on System z</td>
<td>5724-B62</td>
</tr>
<tr>
<td>IBM DB2 Connect Application Server Edition</td>
<td>5724-D54</td>
</tr>
<tr>
<td>IBM DB2 Connect Application Server Edition for Linux on System z</td>
<td>5724-D54</td>
</tr>
<tr>
<td>IBM DB2 Advanced Workgroup Server Edition</td>
<td>5725-L15</td>
</tr>
<tr>
<td>IBM DB2 Advanced Workgroup Server Edition for Linux on System z</td>
<td>5725-L15</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature</td>
<td>5725-L16</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature</td>
<td>5725-L16</td>
</tr>
<tr>
<td>IBM DB2 Advanced Recovery Feature for Linux on System z</td>
<td>5725-L16</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering</td>
<td>5725-T27</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering</td>
<td>5725-T27</td>
</tr>
<tr>
<td>IBM DB2 Performance Management Offering for Linux on System z</td>
<td>5725-T27</td>
</tr>
<tr>
<td>IBM Direct Standard Edition</td>
<td>5725-Z98</td>
</tr>
<tr>
<td>IBM Direct Standard Edition for Linux on System z</td>
<td>5725-Z98</td>
</tr>
<tr>
<td>IBM DB2 Direct Advanced Edition</td>
<td>5725-Z99</td>
</tr>
<tr>
<td>IBM DB2 Direct Advanced Edition for Linux on System z</td>
<td>5725-Z99</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition</td>
<td>5765-F30</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition for Linux on System z</td>
<td>5765-F30</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition</td>
<td>5765-F30</td>
</tr>
<tr>
<td>IBM DB2 Connect Enterprise Edition for Linux on System z</td>
<td>5765-F30</td>
</tr>
<tr>
<td>IBM DB2 Workgroup Server Edition</td>
<td>5765-F35</td>
</tr>
</tbody>
</table>
IBM DB2 Connect Unlimited Edition for System i

<table>
<thead>
<tr>
<th>Program name</th>
<th>Part number or PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM DB2 Connect Unlimited Edition for System i</td>
<td>5724-M15</td>
<td>Per Processor Value Unit</td>
</tr>
</tbody>
</table>

**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.

This product is only available through Passport Advantage.

**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).

**Agreement for Acquisition of Software Maintenance**

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program 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. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

**License Information number**

<table>
<thead>
<tr>
<th>Program name</th>
<th>License Information Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB2 Advanced Enterprise Server Edition 11.1</td>
<td>L-STAG-A5YRBB</td>
</tr>
<tr>
<td>DB2 Direct Advanced Edition 11.1</td>
<td>L-STAG-A8GJWA</td>
</tr>
<tr>
<td>DB2 for Big Data 11.1</td>
<td>L-STAG-A8KJ8X</td>
</tr>
<tr>
<td>DB2 Developer Edition 11.1</td>
<td>L-STAG-A6TQDQ</td>
</tr>
<tr>
<td>DB2 Advanced Workgroup Server Edition 11.1</td>
<td>L-STAG-A6TQ44</td>
</tr>
<tr>
<td>DB2 Direct Standard Edition 11.1</td>
<td>L-STAG-A8GJZ2</td>
</tr>
<tr>
<td>DB2 Workgroup Server Edition 11.1</td>
<td>L-STAG-A6TQ6M</td>
</tr>
<tr>
<td>DB2 Enterprise Server Edition 11.1</td>
<td>L-STAG-A6TQ5Z</td>
</tr>
<tr>
<td>DB2 Performance Management Offering 11.1</td>
<td>L-STAG-A7PUFD</td>
</tr>
<tr>
<td>DB2 Advanced Recovery Feature for Linux, UNIX, and Windows 11.1</td>
<td>L-STAG-A7PUHP</td>
</tr>
<tr>
<td>DB2 High Capacity Add-on 11.1 for Linux, UNIX, and Windows</td>
<td>L-STAG-A7VP9G</td>
</tr>
<tr>
<td>Program name</td>
<td>License Information Number</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>DB2 Components 11.1</td>
<td>L-STAG-A7VTDY</td>
</tr>
<tr>
<td>DB2 Express-C 11.1 for Linux and Windows</td>
<td>L-STAG-A7PUBL</td>
</tr>
<tr>
<td>DB2 Connect Enterprise Edition</td>
<td>L-STAG-A6TQB2</td>
</tr>
<tr>
<td>DB2 Connect Application Server Edition</td>
<td>L-STAG-A6TQ8C</td>
</tr>
<tr>
<td>DB2 Connect Application Server Advanced Edition</td>
<td>L-STAG-A6TQ7U</td>
</tr>
<tr>
<td>DB2 Connect Unlimited Edition for System i</td>
<td>L-STAG-A6TQ8Q</td>
</tr>
<tr>
<td>DB2 Connect Unlimited Edition for System z</td>
<td>L-STAG-A6TQC8</td>
</tr>
<tr>
<td>DB2 Connect Unlimited Advanced Edition for System z</td>
<td>L-STAG-A6TQ9E</td>
</tr>
</tbody>
</table>

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 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, see the IBM Software 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 Subscription and Support (also referred to as Software Maintenance) is in effect.

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

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

**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**

Yes. 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 offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance by telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, see the IBM Software Support Handbook. Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

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

**System i Software Maintenance applies**

No
Variable charges apply

No

Educational allowance available

Education allowance does not apply. Education software allowance does not apply. Special education prices are available for qualified customers through Passport Advantage.

Statement of good security practices

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

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

IBM Electronic Services

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

Now integrated into the base operating system of AIX® V5.3, AIX V6.1, and AIX V7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type smitty esa_main, and select Configure Electronic Service Agent. In addition, ESA now includes a powerful web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, go to the IBM Electronic Support website.

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](http://www.ibm.com/support/esa) website.

**More accurate reporting:** Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

**Customized support:** Using the IBM ID entered during activation, you can view system and support information in the My Systems and Premium Search sections of the IBM Electronic Support page.

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

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the IBM Electronic Support website.

### 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/paoresellerwebsite](https://www.ibm.com/software/howtobuy/passportadvantage/paoresellerwebsite).

For all local charges, contact your IBM representative.

**Passport Advantage**

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner for Software Value Plus. Additional information is also available on the [Passport Advantage and Passport Advantage Express](https://www.ibm.com/software/hypervisor/hsge/hec/hsgevtp) website.

**IBM Global Financing**

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local
IBM Global Financing organization or go to the IBM Global Financing website for more information.

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer’s credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

Announcement countries

All European, Middle Eastern, and African countries except Islamic Republic of Iran, Sudan, and Syrian Arab Republic

Trademarks

DB2 Connect, Optim and Electronic Service Agent are trademarks of IBM Corporation in the United States, other countries, or both.
IBM, DB2, BLU Acceleration, pureScale, z/OS, System z, pureQuery, developerWorks, Passport Advantage, Global Technology Services, Express, System i, InfoSphere, Cognos, pureXML, Tivoli, BigInsights, WebSphere, Informix and AIX are registered trademarks of IBM Corporation in the United States, other countries, or both.
Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.
UNIX is a registered trademark of The Open Group in the United States and other countries.
Windows and Microsoft are trademarks of Microsoft Corporation in the United States, other countries, or both.
Oracle and Java are trademarks of Oracle and/or its affiliates in the United States, other countries, or both.
Other company, product, and service names may be trademarks or service marks of others.

Terms of use

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

Terms of use

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

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

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.