



IBM DB2 10 for z/OS Value Unit Edition improves efficiency and resiliency

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At a glance

IBM® DB2® 10 for z/OS® Value Unit Edition (DB2 10 for z/OS VUE) delivers a one-time-charge metric for Eligible Workloads (as defined) running in System z® New Application License Charge (zNALC) LPARs. DB2 10 for z/OS VUE is a product offering based on DB2 10 for z/OS.

For key enhancements that improve the ability of DB2 to handle today's new and enterprise on demand applications, refer to Software Announcement [210-380](#), dated October 19, 2010.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: LE001).

Overview

DB2 10 for z/OS VUE delivers a one-time-charge (OTC) price metric for a database product offering based on DB2 10 for z/OS.

IBM DB2 10 for z/OS further builds upon the strength of DB2 9 with enhancements that deliver:

- "Out-of-the-box" DB2 CPU savings by improving operational efficiencies
- Unsurpassed resiliency for business-critical information
- Rapid application and warehouse deployment for business growth

Refer to Software Announcement [210-380](#), dated October 19, 2010.

DB2 10 for z/OS VUE terms limit its use to support net new applications or workloads on IBM System z servers that meet zNALC LPAR qualifications.

Only for use with eligible net new applications or workloads, *Eligible Workloads* are defined as workloads that meet the following criteria:

A workload (excluding applications running under Lotus® Domino®) where DB2 10 for z/OS VUE has been qualified and approved through the zNALC qualification process as eligible to run in a zNALC LPAR.

The workload must be a net new z/OS workload deployed in a zNALC LPAR at the time of licensing DB2 10 for z/OS VUE, and not an existing z/OS workload that a) is transferred or migrated to the zNALC LPARs from z/OS elsewhere in the enterprise or b) is already deployed in a zNALC LPAR within the enterprise. For example, an existing z/OS workload that would be or has been shifted across

a border from one country to another, or from one data center to another, or that has been renamed or rewritten does not qualify as an Eligible Workload. Workloads that are migrated from non-z/OS sources, such as Linux®, UNIX®, or Windows®, may qualify as Eligible Workloads.

Copies of a valid licensed DB2 10 for z/OS VUE can only be made in support of its authorized use:

On a single machine, in any zNALC LPARs where the Eligible Workload is deployed for use

Within a Qualified Sysplex¹, in any zNALC LPARs where the Eligible Workload is deployed for use

In addition, copies can be made for use as a backup copy. If you want to deploy DB2 10 for z/OS VUE in any other separate zNALC environment, another DB2 10 for z/OS VUE license, with its own separate entitlements, has to be acquired.

¹ *Qualified Sysplex* means a Parallel Sysplex® in which z/OS is eligible for aggregated zNALC charges as described in the Charges section of the Attachment for zNALC License Charges on IBM System z.

For more information on zNALC, visit

<http://www-03.ibm.com/servers/eserver/zseries/swprice/znalc.html>

Charges for this program are based on Value Unit entitlements.

See the [Terms and conditions](#) and [Prices](#) sections for a description of license and pricing terms.

Key prerequisites

- z/OS V1.10 Base Services (5694-A01), or later, executing in 64-bit addressing mode.
- DB2 10 for z/OS VUE operates on zEnterprise 196 (z196), z10™, z9™, z990, z890, and later processors supported by z/OS V1.10, or later.

Planned availability date

October 22, 2010

Description

DB2 10 for z/OS VUE consists of the base DB2 product and one nonchargeable feature:

- z/OS Application Connectivity to DB2 10 for z/OS VUE consists of a component known as the DB2 Universal Database™ Driver for z/OS, Java Edition. It is a pure Java, type 4 JDBC driver designed to deliver high performance and scalable remote connectivity for Java-based enterprise applications on z/OS to a remote DB2 for z/OS database server.

Charges for this program are based on an OTC per value unit plus a charge per value unit for Subscription and Support (S&S). Value Unit entitlements for the program will be computed based on MSUs. The S&S is paid annually at the then-current prices. Usage may not exceed the number of value unit entitlements authorized by the applicable Proofs of Entitlement or authorized by each product authorization. If the total number of value units exceeds the quantity of value unit entitlements in your Proofs of Entitlement, you must notify your IBM representative or IBM Business Partner as stated in the IPLA.

For more information, refer to the Description section in Software Announcement 210-380, dated October 19, 2010.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Section 508 of the U.S. Rehabilitation Act

IBM DB2 10 for z/OS Value Unit Edition is capable when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT), containing details on the products accessibility compliance, can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Value Unit-based pricing

Value Unit pricing for eligible IBM System z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called *Value Unit Exhibit*, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the *required license capacity*. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three-digit code and referred to using the nomenclature VUExxx, where xxx is the three-digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as *entitled license capacity*. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool website

<http://ibm.com/zseries/swprice/vuctool>

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

Program number

Program number	VRM	Program name
5697-P31	V10.1.1.0	DB2 10 for z/OS VUE

Product identification number

Program PID number	Subscription and Support PID number
5697-P31	5697-P11

Offering Information

Product information is available via the Offering Information website

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

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=210-381>

Publications

The IBM Publications Center is available at:

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

The following DB2 10 for z/OS VUE (5697-P31) publications are shipped with the basic machine-readable material:

DB2 10 for z/OS VUE

- DB2 10 for z/OS Licensed Library Collection CD-ROM (LK5T-7390)
- DB2 10 for z/OS VUE License Information (GC19-3047)
- DB2 10 for z/OS VUE Program Directory (GI10-8839)

z/OS Application Connectivity to DB2 10 for z/OS VUE

z/OS Application Connectivity Program Directory (GI10-8853)

The following optional publications are available in PDF format and in the IBM Information Management Software for z/OS Solutions Information Center. These publications are not available for ordering in hardcopy.

Title	Order number
DB2 10 for z/OS VUE Administration Guide	SC19-2968
Application Programming and SQL Guide	SC19-2969
Application Programming Guide and Reference for Java Codes	SC19-2970
Command Reference	GC19-2971
Data Sharing: Planning and Administration	SC19-2972
Installation and Migration Guide	SC19-2973
Internationalization Guide	GC19-2974
Introduction to DB2 for z/OS	SC19-2975
IRLM Messages and Codes for IMS™ and DB2 for z/OS	SC19-2976
Managing Performance Messages	GC19-2666
ODBC Guide and Reference	SC19-2978
pureXML Guide	GC19-2979
RACF Access Control Module Guide	SC19-2980
SQL Reference	SC19-2981
Utility Guide and Reference	SC19-2982
What's New?	SC19-2983
	GC19-2984
	GC19-2985

DB2 10 product information, except the licensed documentation, is viewable from the Information Management Software for z/OS Solutions Information Center at

<http://publib.boulder.ibm.com/infocenter/imzic/>

Licensed documentation

The following licensed materials are available only to customers with a DB2 10 license. The licensed materials can be ordered through the IBM Publications Center. In addition, the Diagnosis Guide and Reference is shipped in a DB2 data set that is updated during post general availability maintenance updates. (DSNA10.SDSNVIPD data set member DSNDR. FTP the data set to the workstation and open it with Adobe® Acrobat Reader.)

Title	Order number
DB2 10 for z/OS Diagnostic Guide and Reference	LY37-3220

Terms and conditions for use of the machine-readable files are shipped with the files.

Subsequent updates (technical newsletters or revisions between releases) to the publications shipped with the product will be distributed to the user of record for as long as a license for this software remains in effect. A separate publication order or subscription is not needed.

Customized offerings: Product deliverables are shipped only via Customized Offerings (for example, CBPDO, ServerPac, and SystemPac®). CBPDO and ServerPac are offered for electronic delivery, where ShopzSeries product ordering is available. For more details on electronic delivery, refer to the ShopzSeries help information at

Media type for this software product is chosen during the customized offerings process. Based on your customer environment, it is recommended that the highest possible density tape media be selected. Currently offered media types are:

- CBPDOs 3590, 3592², and DVD
- ServerPacs 3590, 3592², and DVD
- SystemPacs 3590, 3592², and DVD

² 3592 is the highest density media, which will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next Serv and SystemPac monthly update. Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac due to additional customization and data input verification.

Technical information

Specified operating environment

Hardware requirements

For hardware requirements, refer to Software Announcement [210-380](#), dated October 19, 2010.

Software requirements

For software requirements, refer to Software Announcement [210-380](#), dated October 19, 2010.

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

Planning information

Packaging

This program 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 shipped in hardcopy with the product. 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.

Security, auditability, and control

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

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, visit

<http://www.ibm.com/software/sw-services/>

Ordering information

Charge metric

Program name	PID number	Charge metric
DB2 10 for z/OS VUE	5697-P31	Value Unit
DB2 for z/OS VUE S&S	5697-P11	Value Unit

The programs in this announcement all have Value Unit-Based pricing.

Program number	Program name	Value Unit exhibit
5697-P31	DB2 10 for z/OS VUE	VUE001
5697-P11	DB2 for z/OS VUE S&S	VUE001

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the *required license capacity*. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

Value Unit exhibit VUE001

Level	Minimum	Maximum	value Units/MSU
Base	1	3	5.25
Tier A	4	45	0.83
Tier B	46	175	0.35
Tier C	176	315	0.26
Tier D	316	+	0.20

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	21
MP3000 H50	22
MP3000 H70	26
ESL models	9

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

DB2 10 for z/OS VUE
Program PID: 5697-P31

Entitlement identifier	Description	License option/ Pricing metric
S0165WC	DB2 10 for z/OS VUE	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
S0165WD	z/OS Application Connect	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S0165W8	DB2 10 for z/OS VUE	English	3590 Uncomp
S0165WB	z/OS Application Connect	English	3590 Uncomp

Subscription and Support
Program PID: 5697-P11

Entitlement identifier	Description	License option/ Pricing metric
S014P4N	DB2 for z/OS VUE S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S014P4R	z/OS Application Connect S & S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S014ZVF	DB2 10 for z/OS VUE S&S	English	Hardcopy publication
S014ZVP	z/OS Application Connect S&S	English	Hardcopy publication

The products in this announcement have one charge unit - Value Units.

Translation from MSUs to Value Units example using VUE001

	MSUs	Value Units/MSU
Base	1-3	5.25
Tier A	4-45	.83
Tier B	46-175	.35
Tier C	176-315	.26
Tier D	316+	.20

Note: For the actual translation from MSUs to Value Units for this product, refer to the table that follows.

Ordering example:

The total number of Value Units is calculated according to the following example.

If the customer has installed 1,000 MSUs, the applicable Value Units would be:

Translation from MSUs to Value Units (VUE001)

	MSUs	*	Value Units/MSU	=	Value Units
Base	3	*	5.25	=	15.75
Tier A	42	*	.83	=	34.86
Tier B	130	*	.35	=	45.50
Tier C	140	*	.26	=	36.40
Tier D	685	*	.20	=	137.00
Total	1,000				270

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

Value Units for non-MSU-based S/390® processors using VUE001:

MP3000 models	
H30	= 21.00 value units per machine
H50	= 22.00 value units per machine
H70	= 26.00 value units per machine
ESL models	= 9.00 value units per machine

Basic license

On/Off Capacity on Demand ("CoD")

DB2 10 for z/OS VUE is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage. To be eligible for On/Off Capacity on Demand pricing, customers must be enabled for temporary capacity on the corresponding hardware, and the required contract Attachment for Customer Initiated Upgrade (refer to Z125-6611), and IBM eServer™ On/Off Capacity on Demand must be signed prior to use.

DB2 10 for z/OS VUE
Program PID: 5697-P31

Entitlement identifier	Description	License option/ Pricing metric	
S0165WC	DB2 10 for z/OS VUE	Basic OTC, Value Units Basic OTC, Per MSU-day TUC	
S0165WD	z/OS Application Connect	Basic OTC, Value Units Basic OTC, Per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S0165W8	DB2 10 for z/OS VUE	English	3590 Uncomp
S0165WB	z/OS Application Connect	English	3590 Uncomp

Subscription and Support
Program PID: 5697-P11

Entitlement identifier	Description	License option/ Pricing metric
S014P4N	DB2 for z/OS VUE S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S014P4R	z/OS Application Connect S & S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S014ZVF	DB2 10 for z/OS VUE S&S	English	Hardcopy publication
S014ZVP	z/OS Application Connect S&S	English	Hardcopy publication

Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew a unless cancelled by the customer.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390 and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order both the license for the program and the support for the selected programs at the same Value Unit quantities.

If you purchased and are current with Subscription & Support for a particular System z IPLA program, you are entitled to no-charge version upgrades for that program. If you have Subscription & Support, you may run multiple versions of the System z IPLA program during 12-month grace period. The grace period begins when the new System z IPLA program is installed in the enterprise. Afterwards, it is expected that you will be migrated to the latest version. If you do not complete your migration within the grace period, IBM reserves the right to recalculate your required license capacity for the System z IPLA program by combining the MSUs of the old version and the new version.

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, and SystemPac.

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, and SystemPac, include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability
- SystemPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

Terms and conditions

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

Licensing

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

Agreement for Acquisition of Software Maintenance

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

Qualified Sysplex:

A *Qualified Sysplex* means a Parallel Sysplex in which z/OS is eligible for aggregated zNALC charges as described in the Charges section of the Attachment for zNALC License Charges on IBM System z.

Your license authorizes use of the DB2 for z/OS VUE only in validly licensed System z New Application License Charge (zNALC) LPARs for Eligible Workloads, which are defined as workloads that meet the following criteria:

- A workload (excluding applications running under Lotus Domino) that includes DB2 for z/OS VUE, where the DB2 for z/OS VUE has been qualified and approved through the zNALC qualification process as eligible to run in a zNALC LPAR.

- The workload must be a net new z/OS workload deployed in a zNALC LPAR at the time of licensing DB2 for z/OS VUE, and not an existing z/OS workload that:
 - Is transferred or migrated to the zNALC LPARs from z/OS elsewhere in the enterprise.
 - Is already deployed in a zNALC LPARs within the enterprise.

For example, an existing z/OS workload that would be or has been shifted across from one country to another, or from one data center to another, or that has been renamed or rewritten does not qualify as an Eligible Workload. Workloads that are migrated from non-z/OS sources, such as Linux, UNIX, or Windows, may qualify as Eligible Workloads.

Notwithstanding anything else in the IPLA, you are authorized to have copies of DB2 for z/OS VUE in support of your authorized use only:

- a) If qualified to be deployed on a single machine, in any zNALC LPARs in which the Eligible Workload is deployed for use.
- b) If qualified to be deployed within a Qualified Sysplex, in any zNALC LPARs in which the Eligible Workload is deployed for use.

In addition, you may make a backup copy. If you wish to deploy a copy of DB2 for z/OS VUE in any other separate zNALC environment, you must acquire another license to DB2 for z/OS VUE with its own separate entitlements.

Charges for this program are based on Value Unit entitlements.

Calculation of Value Unit entitlements for this program

For programs that will be deployed for use on a single machine not part of a Qualified Sysplex, the Value Unit entitlement will be determined as follows:

1. There will be a calculation of the number of Value Units which would equate to the total sum of the MSUs for any copies of DB2 for z/OS VUE on the machine, and the MSUs for all instances of the version of DB2 for z/OS that matches the version of DB2 for z/OS VUE (for instance, only where the version of DB2 for z/OS of such instances is the same as the version of DB2 for z/OS VUE on that machine).
2. There will be a calculation of the number of Value Units which would equate to the MSUs for all instances of the version of DB2 for z/OS that matches the version of DB2 for z/OS VUE (for instance, only where the version of DB2 for z/OS of such instances is the same as the version of DB2 for z/OS VUE) on the machine.
3. The number of required Program Value Unit entitlements will be the Value Units calculated in (1) minus the Value Units calculated in (2).

For programs that will be deployed for use in a Qualified Sysplex, the Value Unit entitlement will be determined as follows:

1. There will be a calculation of the number of Value Units which would equate to the total sum of the MSUs for any copies of DB2 for z/OS VUE in the Qualified Sysplex, and the MSUs for all instances of the version of DB2 for z/OS that matches the version of DB2 for z/OS VUE (for instance, only where the version of DB2 for z/OS of such instances is the same as the version of the program) in the Qualified Sysplex.
2. There will be a calculation of the number of Value Units which would equate to the MSUs for all instances of the version of DB2 for z/OS that matches the version of DB2 for z/OS VUE (for instance, only where the version of DB2 for z/OS of such instances is the same as the version of the program) in the Qualified Sysplex.
3. The number of program Value Unit entitlements will be the Value Units calculated in (1) minus the Value Units calculated in (2).

No MSUs associated with any other instances of DB2 for z/OS shall be included with the program MSUs in the calculation to determine required Value Unit entitlements.

Example:

For the purpose of illustration only, assuming that the MSUs for the existing version of DB2 for z/OS which matches the version of DB2 for z/OS VUE which would be included in the calculations = 100, and the MSUs for the program itself = 30 (where the calculated Value Units for the copies of the program based on program MSUs alone would = 39):

- a) Assume that the calculated Value Units for the combined MSUs of the DB2 for z/OS and the program (that is, $100 + 30 = 130$ MSUs) would = 81 (Step 1 above).
- b) Assume that the calculated Value Units for the applicable DB2 for z/OS (100 MSUs) would = 70 (Step 2 above).
- c) Then the number of Value Unit entitlements required for DB2 for z/OS VUE would be the difference between the Value Units in a and b = 11 (that is, $81 - 70 = 11$).

Recalculation of Value Unit entitlements

There may be circumstances in which your Value Unit entitlements must be recalculated based upon changes to the environment and configuration, and additional Value Units will need to be purchased if your existing Value Unit entitlement is not sufficient. For example:

- If the utilization (for example, capacity) of your zNALC LPARs in which the Eligible Workload is deployed for use increases
- If the Eligible Workload is moved to another machine, into a Qualified Sysplex, or out of a Qualified Sysplex
- If the Value Unit entitlements you acquired were based on calculations that included MSUs associated with instances of DB2 for z/OS, and the MSUs associated with such instances decline

The program will be treated as a *Parent Program* for purposes of calculating charges for System z IPLA programs with Referenced-Based Terms, just as if the program were a monthly license charge DB2 program. Additional charges for IBM programs with Referenced-Based Terms licensed by you may apply, just as when adding MSU capacity to other DB2 Parent Programs. This program is a System z IPLA program with Execution-Based Terms for purposes of Sub-Capacity pricing.

Maintenance/support fixes provided for DB2 for z/OS may not be applied to the program. Subscription and Support for the program may be separately acquired.

The program requires you to indicate acceptance of the terms of this license at installation time.

IBM has the right to audit all machines and Qualified Sysplexes on which the program is installed to ensure compliance with all the terms of this license and the zNALC terms and conditions.

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. 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.

S/390 and System z IBM Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

LI=GC19-3047-00 for IBM DB2 10 for z/OS Value Unit Edition

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

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

Limited warranty applies

Yes

Limited warranty

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

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

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

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

Program support

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

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 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)

No

Passport Advantage applies

No

Software Subscription and Support applies

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/sl/products>

IBM Operational Support Services -- SoftwareXcel

Yes

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Yes. A 15% education allowance applies to qualified education institution customers.

Sub-capacity terms and conditions

Sub-capacity charges for DB2 10 for z/OS VUE

To be eligible for sub-capacity charges, the machine on which DB2 for z/OS VUE is running must be eligible for zNALC sub-capacity charges terms and conditions. The customer must sign the zNALC Attachment and the IPLA Sub-Capacity Amendment and have implemented Sub-Capacity by submitting a SCRT report.

With sub-capacity charges, the charge is based on the z/OS product-defined capacity. To obtain charges at less than full machine capacity for each machine, the customer should:

- Determine the MSUs needed for the machine on which DB2 10 for z/OS VUE will run. Use the product-defined capacity (MSUs) for z/OS (as specified on the Sub-Capacity Reports submitted to IBM for sub-capacity zNALC) as the sub-capacity (MSUs).

If the use of sub-capacity pricing terms for DB2 10 for z/OS VUE results in a reduced requirement for Value Units, thus freeing up entitlements, customers can reserve them for future growth. There will be no refunds for these freed up Value Units. Subscription and Support volumes and entitlements for existing contracts will continue to be at the same levels as the acquired licenses.

Management of the Value Unit entitlements continues to be a customer responsibility. If one of the following occur on a machine to which DB2 10 for z/OS VUE is licensed, the customer must determine if additional Value Units and Subscription and Support need to be ordered for those tools to cover the increase:

- The z/OS-defined capacity is increased.
- The requirements for zNALC sub-capacity charges are no longer met.

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the *required license capacity*. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution based, z/OS based, full machine based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Sub-capacity mainframes

The following terms apply for DB2 10 for z/OS VUE sub-capacity:

Execution based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit, Z125-3901*, or visit the Mainframes section of the System z Exhibits website

<http://ibm.com/zseries/library/swpriceinfo/>

For more information on sub-capacity System z IPLA terms and conditions, refer to Software Announcement [204-184](#), dated August 10, 2004.

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- That meets the criteria defined in U.S. Hardware Announcement 198-001, dated January 13, 1998
- Where MLC pricing is aggregated across the sysplex

DB2 10 for z/OS VUE will be treated as a *Parent Program* for purposes of calculating charges for System z IPLA programs with Referenced-Based Terms, just as if DB2 10 for z/OS VUE were a monthly license charge DB2 program. Additional charges for IBM programs with Referenced-Based Terms licensed by you may apply, just as when adding MSU capacity to other DB2 Parent Programs.

Sub-capacity eligibility

To be eligible for sub-capacity charging for DB2 10 for z/OS VUE, you must first implement and comply with all terms of the zNALC Attachment. To implement sub-capacity, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems
- Any licenses for the OS/390 operating system must be discontinued

- All instances of the z/OS operating (or z/OS.e) systems must be running in z/Architecture® (64-bit) mode

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool ("SCRT"). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing website

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the zNALC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity zNALC are defined in the IBM Customer Agreement.

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the utilization of an eligible operating system and machine (for example, z/OS running in z/Architecture (64 bit) mode on a System z (or equivalent) server).

Sub-capacity utilization is determined based on the product's own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

Prices

For additional information and current prices, contact your local IBM representative.

Information on charges is available at

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

Choose the option entitled Purchase/upgrade tools.

DB2 10 for z/OS VUE
Program PID: 5697-P31

Entitlement identifier	Description	License option/ Pricing metric
S0165WC	DB2 10 for z/OS VUE	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
S0165WD	z/OS Application Connect	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S0165w8	DB2 10 for z/OS VUE	English	3590 Uncomp
S0165WB	z/OS Application Connect	English	3590 Uncomp

Subscription and Support
Program PID: 5697-P11

Entitlement identifier	Description	License option/ Pricing metric
S014P4N	DB2 for z/OS VUE S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S014P4R	z/OS Application Connect S & S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S014ZVF	DB2 10 for z/OS VUE S&S	English	Hardcopy publication
S014ZVP	z/OS Application Connect S&S	English	Hardcopy publication

Order now

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Note: Shipments will begin after the planned availability date.

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