



# IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS , V1.1 helps minimize risk in production environments and reduce time creating realistic tests

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## At a glance

IBM® delivers IBM InfoSphere® Optim™ Query Capture and Replay for DB2® on z/OS® , V1.1 (5655-QCR), providing a solution that can help enterprises perform realistic testing by providing the capability to capture production workloads and replay the workload in a test environment.

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

## Overview

The InfoSphere Optim Query Capture and Replay for DB2 on z/OS , V1.1 (5655-QCR) solution is a new product offering for DB2 on z/OS that helps enterprises minimize disruption to the business and can dramatically decrease the cost and time to deploy infrastructure changes. Common uses of this product include:

- Migrations to new versions of DB2 for z/OS
- Upgrades and patches to operating systems or applications
- Help with managing increased workload such as additional users, increased data, or application tasks
- Performance validation and tuning

InfoSphere Optim Query Capture and Replay is designed to provide realistic and repeatable testing capabilities, helping to minimize risk in production environments, and reduce time and effort involved in creating realistic tests.

## Key prerequisites

Refer to the [Hardware requirements](#) and [Software requirements](#) sections for key prerequisites.

## Planned availability date

November 16, 2012

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## Description

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Today, testing of an infrastructure change might include the full range from functional test to performance test and still not be sufficient to ensure production readiness. The challenge is often that test systems do not have access to the right mix of application servers to generate production-like transactions. Even if you had all the right application servers, it is very expensive and labor intensive to actually run a test workload that mimics production. This is because there are characteristics in production workloads that are hard to emulate in test.

Realistic testing and tuning enhances the ability of such applications to deliver high performance before these applications are moved into production.

The InfoSphere Optim Query Capture and Replay for DB2 on z/OS solution helps enable enterprises to perform realistic testing, providing the capability to capture production workloads and replay the workload in a test environment.

This solution includes features designed to:

- Capture real DRDA® workloads needed for real-life simulation, including capture from multiple data-sharing members
- Replay the workload to reproduce the original application timing, order of execution, transaction boundaries, isolation levels, and other SQL and application characteristics
- Review change impact using comparison reports, including the most time-consuming statements and transactions
- Use for regression testing, functional testing, system testing, end-to-end transaction testing, patch release testing, component testing, performance testing, and problem diagnosis

InfoSphere Optim Query Capture and Replay is designed to provide realistic and repeatable testing capabilities, helping to minimize risk in production environments and reduce time and effort involved in creating realistic tests.

This product is also available for distributed databases. Refer to Software Announcement [212-013](#), dated July 10, 2012 .

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### Accessibility by people with disabilities

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A US 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](http://www.ibm.com/able/product_accessibility/index.html)

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### Section 508 of the US Rehabilitation Act

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The products in this announcement are capable as of their general availability, 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.

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### Value Unit-based pricing

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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 want 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.

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## Reference information

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Refer to Software Announcement [212-013](#), dated July 10, 2012 .

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## Program number

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Program number	VRM	Program name
5655-QCR	1.1.0	IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS

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## Product identification number

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Program PID number	Subscription and Support PID number
5655-QCR	5655-QCS

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## Offering Information

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Product information is available via the Offering Information website

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

### Business Partner information

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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=212-445>

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## Publications

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The IBM Publications Center portal is at

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

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

One copy of each of the following publications is supplied automatically with the material.

Title	Order number
IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS, V1.1 (5655-QCR)	
Agreements and License Information	LC27-4542
Program Directory	GI10-8939
Optim Query Capture and Replay DVD Kit	LK5T-8875
Guardium® DVD kit	LK5T-8876

The publications for products in this announcement cannot be ordered in hardcopy. All the publications in this announcement are available at

<http://www.ibm.com/software/data/db2imstools>

Publications are available in PDF or BookManager® formats on the next release of the software product libraries, z/OS and Software Products DVD Collection (SK3T-4271), which requires a DVD drive in DVD-9 (single-sided, dual-layer) format.

Title	Order number
IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS, V1.1 (5655-QCR)	
Install Guide	GC19-3754
Quick Start Guide	GC19-3753

The following material is available at

<http://www.ibm.com/software/data/db2imstools>

- Overview brochure: IBM DB2 and IMS™ Tools Overview (IMD11760-USEN)

Specification sheets, user's guides, and white papers are also available on CD. This CD-ROM can be ordered from the IBM Publications Center Portal at

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

### Specified operating environment

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#### **Hardware requirements**

InfoSphere Optim Query Capture and Replay for DB2 on z/OS , V1.1 includes System z components and a stand-alone appliance component. The System z components work with any System z hardware configuration that supports the required versions of DB2 and z/OS . The appliance component is based on the IBM Guardium platform that operates on a Linux™ based server.

#### **Software requirements**

##### **Mandatory installation requirements:**

- z/OS V1.12 (5694-A01), or later
- IBM SMP/E for z/OS V3.5 (5655-G44), or later

The following operating system is supported:

- Red Hat Enterprise Linux 5.8 x86-32

Supported web browsers:

- Microsoft™ Internet Explorer 8.0, 9.0, and 10.0
- Mozilla FireFox 10.0
- Chrome 20

##### **Mandatory operational requirements:**

- IBM 31-bit SDK for z/OS , Java™ Technology Edition, V6.0.0, SDK6 (5655-R31)
- IBM 64-bit SDK for z/OS , Java Technology Edition, V6.0.0, SDK6 (5655-R32)
- IBM Data Server Driver for JDBC and SQLJ, 4.0 Version (JCC 4.x driver)

#### **IBM Tools Base for z/OS , V1.3 (5655-V93)**

IBM Tools Base for z/OS is a no-charge product that must be separately ordered. IBM Tools Base contains IBM Tools Customizer for z/OS , FMID HTCZ110, which is used for post-installation customization of InfoSphere Optim Query Capture and Replay for DB2 on z/OS .

InfoSphere Optim Query Capture and Replay for DB2 on z/OS , V1.1 is designed to operate with:

- DB2 for z/OS , V9.1 (5635-DB2)
- DB2 for z/OS Value Unit Edition V9.1 (5697-P12)
- DB2 for z/OS , V10.1 (5605-DB2)
- DB2 for z/OS Value Unit Edition V10.1 (5697-P31)

##### **Conditional operational requirement:**

DB2 Cloning Tool for z/OS , V3.1, or later (5655-N15)

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

For additional information, refer to the [Usage restrictions](#) section or to the License Information document that is available on the IBM Software License Agreement website

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

## Planning information

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### Packaging

The programs in this announcement are distributed with the following content:

- Basic machine-readable material
- Program Directory
- IBM International Program License Agreement (IPLA)

### Security, auditability, and control

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The portion of the announced program that executes on z/OS uses the security and auditability features of the host operating system software. The remainder of the announced program is installed as a hardened Linux appliance. The appliance includes various security, audit, and compliance functions to help guarantee the availability of the solution, confidentiality of the data stored on the appliance, and accountability for any configuration changes. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Software Services

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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/>

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## Ordering information

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### Charge metric

InfoSphere Optim Query Capture and Replay for DB2 on z/OS consists of two chargeable units that should be ordered together.

Order one or more InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install with every InfoSphere Optim Query Capture and Replay for DB2 on z/OS .

Program name	PID number	Charge metric
InfoSphere Optim Query Capture and Replay for DB2 on z/OS, V1.1	5655-QCR	Value Unit
InfoSphere Optim Query Capture and Replay for DB2 on z/OS, Program Install	5655-QCR	Per Install

The following program has Value Unit-Based pricing.

Program number	Program name	Value unit exhibit
5655-QCR	Infosphere Optim Query Capture and Replay for DB2 on z/OS, v1.1	VUE007

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 VUE007

	MSUs minimum	MSUs maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

### Ordering example

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

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUs to value units

	MSUs	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

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

### 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 US 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>

## Basic license

### On/Off CoD

InfoSphere Optim Query Capture and Replay for DB2 on z/OS , V1.1 is eligible for On/Off Capacity on Demand (CoD) with a temporary use charge calculated based on MSUs per-day usage.

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.

Value Unit entitlements and Install are not alternative means for licensing the program.

Licensee must obtain sufficient Install entitlements for the number of installed copies of the program as well as the appropriate number of Value Unit entitlements for the resources managed by the program.

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

Program Name: IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS, V1.1

Program PID: 5655-QCR

Entitlement identifier	Description	License option / Pricing metric
S0173DB	InfoSphere Optim Query Capture and Replay for DB2 on z/OS	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
S0173DC	InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install	Basic OTC, Per Install

Orderable supply ID	Language	Distribution medium
S0173D9	US English	3590 Tape Cartridge

Subscription and Support PID: 5655-QCS

Entitlement identifier	Description	License options/Pricing metrics
S0173DG	InfoSphere Optim Query Capture and Replay for DB2 on z/OS S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
S0173DH	InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install S&S	Basic ASC, SW S&S Per Install No Charge, decline SW S&S

## 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 annually unless cancelled by you.

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.

### **Customized Offerings**

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Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings 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 Shopz 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 include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, visit the Help section on the Shopz website at

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

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.

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### **Terms and conditions**

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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)

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.

### **License Information form number**

Program name	Program number	License Information
InfoSphere Optim Query Capture and Replay for DB2 on z/OS, v1.1	5655-QCR	GI13-2063

### **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

***Usage restrictions***

Yes.

***Explanation of terms***

InfoSphere Optim Query Capture and Replay for DB2 on z/OS consists of two chargeable units that should be ordered together.

InfoSphere Optim Query Capture and Replay for DB2 on z/OS is licensed per Value Units of the source system where the workload is captured. There is no charge for the target systems where the workload is replayed. InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install is licensed Per Install.

Order one or more InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install per InfoSphere Optim Query Capture and Replay for DB2 on z/OS .

***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

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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.

Program number	Program name	Terms	Parents - any of the following
5655-QCR	InfoSphere Optim Query Capture and Replay for DB2 on z/OS, v1.1	Reference-based	DB2 V9 (5635-DB2) DB2 V9 VUE (5697-P12) DB2 V10 (5605-DB2) DB2 V10 VUE (5697-P31)

### 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/>

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the *parent program* .

### Sub-capacity mainframes

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

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.

z/OS based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the *parent program* .

Full machine based: The required license capacity of a System z IPLA program with full machine based terms equals the MSU-rated capacity of the machines 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 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:

- Where MLC pricing is aggregated across the sysplex

### ***Sub-capacity eligibility***

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, 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 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 WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing* (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

### ***Sub-capacity utilization determination***

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Sub-capacity utilization is determined based on the utilization of a sub-capacity eligible reference product and machine.

## On/Off Capacity on Demand (CoD)

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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.

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## Statement of good security practices

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IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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## Prices

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

Translation from MSUs to value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

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.

Program Name: IBM InfoSphere Optim Query Capture and Replay for DB2 on z/OS, V1.1  
Program PID: 5655-QCR

Entitlement identifier	Description	License option / Pricing metric
S0173DB	InfoSphere Optim Query Capture and Replay for DB2 on z/OS	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
S0173DC	InfoSphere Optim Query Capture and Replay for DB2 on z/OS Program Install	Basic OTC, Per Install

Orderable supply ID	Language	Distribution medium
S0173D9	US English	3590 Tape Cartridge

Subscription and Support PID: 5655-QCS

Entitlement identifier	Description	License options/Pricing metrics
S0173DG	InfoSphere Optim Query Capture and Replay for DB2 on z/OS S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
S0173DH	InfoSphere Optim	Basic ASC, SW S&S Per Install

Query Capture and      No Charge, decline SW S&S  
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z/OS Program  
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