



# IBM InfoSphere Optim Test Data Management, Data Growth, and Application Retirement Solutions V7.2 enhance native support for IBM z/OS data sources

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## At a glance

Version 7.2 of InfoSphere® Optim™ offers the following enhancements to the native support for z/OS® data sources, when compared to Optim 7.1:

- Enhancements that apply across all Solutions:
  - Optim 7.2 raises the limit for native z/OS archives and TDM extracts to four billion rows per table.
  - More flexible relationships can be defined between data sources. The user must provide a user-written relationship exit that transforms the Optim defined key columns of one table to and from the corresponding key columns of the related table.
  - During extract and archive processing, Optim maintains an internal record of the extracted keys. Lab and customer measurements have shown key memory utilization is now reduced up to 40% when the keys are processed in ascending or descending order.
  - Column map transformations, including data masking, can be done to all array elements in fixed-length arrays in z/OS data sources.
  - Toleration support for IMS™ V13.1.
  - Toleration support for DB2® for z/OS V11.
- InfoSphere Optim Move for IMS/VSAM/SEQ:
  - The native Optim z/OS Compare utility is enhanced to support data in IMS , VSAM, and z/OS Sequential files. The Compare utility is also enhanced to generate a Compare Report in an external, machine readable, source format, describing the differences between the two sources being compared.
- InfoSphere Optim Data Growth and Application Retirement Solutions
  - InfoSphere Optim is enhanced to better support customers with Information Lifecycle Governance records retention and management requirements for legal, audit, and other reasons.
  - When retrieving data from Optim archive files, Optim is enhanced to use indexes in more situations to improve performance.
  - Optim archive collection security enhancements

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

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## Overview

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**InfoSphere Optim Data Growth Solution** enables you to archive historical transaction records and important related context from mission-critical database applications. Application data can be relocated to a more secure archive, thereby helping to streamline the production database to aid your efforts to reduce processing overhead. Archived information remains readily accessible. The Optim Data Growth Solution can help you improve application performance and support data-retention compliance programs and efforts to lower IT costs.

**InfoSphere Optim Test Data Management Solution** allows you to create realistic, right-sized test databases, edit data to force error and boundary conditions, and compare baseline data against successive test results to help you pinpoint application errors that could otherwise go undetected. By helping to streamline your test data management process, the Optim Test Data Management Solution can help you improve quality and accelerate application development by speeding iterative testing tasks.

**InfoSphere Optim Test Data Management Solution - Data Masking Option** is an optional, chargeable component that enables Optim Test Data Management solution customers to mask and transform sensitive test data as part of their efforts to avoid exposing critical business data. Optim masking can be done during Test Data Management, and also directly from user application programs, in SQL statements using Optim masking user-defined functions and from other IBM® products. Masking can be done consistently across all Optim supported platforms, maintaining the referential integrity of the data.

**InfoSphere Optim Application Retirement** makes retiring legacy and redundant applications easier by giving you the ability to archive data from decommissioned applications into an immutable archive file. It enables ongoing, application-independent access to the data for query and reporting. Thus, organizations can reduce costs and infrastructure complexity by safely retiring application code and data sources without having to move all data into new systems or keep retired systems available for access.

For more information on the IBM InfoSphere Optim family of products, visit

<http://www.ibm.com/software/data/data-management/optim/>

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## Key prerequisites

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- z/OS V1.12, or later
- DB2 for z/OS , V9.1, or later

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## Planned availability date

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May 24, 2013

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## Description

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### Enhancements applying across the Optim Solutions

With version 7.2, the following enhancements apply across all InfoSphere Optim Test Data Management, Data Privacy, Data Growth, and Application Retirement Solutions:

- Optim 7.2 raises the limit for native z/OS archives and TDM extracts to four billion rows per table compared to Optim 7.1.

- This enhancement raises external and internal limits to the number of rows extracted or archived by more than four times in order to support ever-growing InfoSphere Optim user data volume requirements.
- More flexible relationships can be defined between data sources. A user-written relationship exit is required to transform the Optim defined key columns of one table to and from the corresponding key columns of a related table.
  - Application relationships between real customer data sources can be significantly more complex than the simple relational join column matching typically seen in a single schema in a relational database. Complex calculations may need to be done to one or more source key fields in the row or record in order to build the key fields necessary to locate a related target row or record in another data source. The InfoSphere Optim native z/OS platform supports these complex relationships by allowing full programmatic transformation of the source key fields into target key fields. The logic for transforming between the source and target keys must be provided to Optim in a user-written relationship exit.
  - One approach that has been used to work around the challenge of complex relationships is the creation of a "helper table" or "join table." This table makes the relationship between the source and target key columns or fields explicit. However, managing a helper table and seeing to it that it is fully populated prior to Optim extract and archive operations can be a challenge. The new Optim relationship exit removes the need for a helper table, simplifying deployment of InfoSphere Optim solutions and reducing storage requirements.
- User data memory utilization can be reduced by up to 40% for Optim archive and TDM extracts that require Optim to maintain a temporary in-process record of the keys extracted. This enhancement takes effect when Optim processes the keys in ascending or descending order.
- Column map transformations, including data masking, can be done to all array elements in fixed-length arrays in z/OS data sources.
  - Optim column transformations can now, in InfoSphere Optim 7.1 native z/OS platform, be specified against IMS , VSAM, and Sequential data elements in a fixed-length array. All array elements of the same name are transformed as specified by the user in the Optim Column Map.
- Toleration support for IMS V13.1.
  - Toleration support means that applications that were supported by InfoSphere Optim when running against the previous IMS version (V12) will continue to be supported when running under the new version ( IMS V13).
- Toleration support for DB2 for z/OS V11
- Improved support for previous DB2 enhancements: ALTER TABLE, RENAME COLUMN, and ROW CHANGE TIMESTAMP.

### **InfoSphere Optim Test Data Management Solution for DB2 for z/OS and InfoSphere Optim Move for IMS/VSAM/SEQ**

Secure application testing for quality and reliability has never been more important. InfoSphere Optim offers extensive test data management capabilities for creating "right-sized" fictionalized test databases that accurately reflect end-to-end business processes. It can help you minimize costly cloning processes and address defects early in the development process, when they are cheaper and easier to fix. Most importantly, the InfoSphere Optim Test Data Management Solution scales along with your development and testing requirements, across applications, databases, operating systems, and hardware platforms.

The InfoSphere Optim Test Data Management solution helps organizations by:

- Allowing you to create referentially intact, right-sized test databases
- Automating test result comparisons to identify hidden errors
- Refreshing and maintaining production-like test environments more easily
- Helping you to shorten iterative testing cycles to help accelerate time to market

The InfoSphere Optim Test Data Management solution supports heterogeneous enterprise environments, including custom applications and ERP solutions such as JD Edwards EnterpriseOne, PeopleSoft Enterprise, Siebel CRM, SAP applications, and more, and platforms including Microsoft™ Windows™ , UNIX/Linux, and IBM z/OS .

With version 7.2, the InfoSphere Optim Test Data Management Solution for DB2 for z/OS and InfoSphere Optim Move for IMS/VSAM/SEQ are enhanced as follows:

- The native InfoSphere Optim z/OS Compare utility is enhanced to support data in IMS , VSAM, and z/OS sequential files. This extends the sophisticated native Optim z/OS related Compare to these new data sources.
- Native z/OS Compare is also enhanced, for IMS/VSAM/SEQ data, to support nonkeyed and non-uniquely keyed segments or records. The comparison between non-uniquely keyed segments is based on matching a user-specified percentage of fields. The non-uniquely keyed segments can appear in any order under matching parents in order to be considered a match.
- The Report function of the Optim Compare facility has been enhanced to optionally produce a report in an External format, such as comma-separated values (CSV). Users can then provide the Compare report as input to another process or program (for example, to apply the reported changes to another set of data).

### **InfoSphere Optim Data Growth Solution, Application Retirement Solutions**

InfoSphere Optim solutions address the data growth problem at the source by helping you manage your enterprise application data. InfoSphere Optim enables you to archive historical transaction records, storing them more securely and cost effectively while continuing to allow you ready access. With less data to sift through, InfoSphere Optim helps speed reporting and complete mission-critical business processes on time.

The InfoSphere Optim Data Growth solutions help organizations by:

- Helping efforts to reduce hardware, storage, and maintenance costs by allowing you to archive historical data from applications and systems, freeing valuable resources
- Helping optimize application performance levels by controlling ongoing database growth
- Allowing you to archive, manage, and retain application data according to business and compliance policies
- Allowing you to respond more quickly to audit and discovery requests with ready access to archived information
- Allowing you to centrally manage and control archiving across enterprise applications, including custom applications and packaged CRM/ERP solutions (such as JD Edwards EnterpriseOne, PeopleSoft Enterprise, Siebel CRM, and Amdocs CRM), databases ( DB2 , Informix® , Sybase, SQL Server, and so on), and platforms (including Microsoft Windows , UNIX/Linux, and IBM z/OS )

Version 7.2 enhancements:

- InfoSphere Optim is enhanced to support customers with Information Lifecycle Governance records retention and management requirements for legal, audit, and other reasons. Requirements supported include the ability to extract a subset from an archive and to hold subset data for a different duration than the original archive file from which it was extracted.
- When retrieving data from Optim archive files, InfoSphere Optim is enhanced to use indexes in more situations to improve performance.
- InfoSphere Optim archive collection security enhancements allow optional use of z/OS or Optim security.

### **Functions removed from InfoSphere Optim 7.2 native z/OS platform support:**

- Support for CA Gen, formerly known as Cool Gen, is removed.

- The Optim commands to execute the DB2 PREPARE, EXPLAIN, and EXECUTE statements have been updated to tolerate the DB2 10 and 11 changes, only to provide toleration support for the existing Optim functionality. These commands will not be enhanced in future releases.

### **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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### **Program number**

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Program number	VRM	Program name
5655-V03	V7.2	InfoSphere Optim Move for DB2 for z/OS
5655-V03	V7.2	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
5655-V04	V7.2	InfoSphere Optim Move for IMS/VSAM/SEQ
5655-V04	V7.2	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
5655-V05	V7.2	InfoSphere Optim Test Data Management Solution for DB2 for z/OS
5655-V05	V7.2	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
5655-V06	V7.2	InfoSphere Optim Data Growth Solution for DB2 for z/OS
5655-W83	V7.2	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
5697-P39	V7.2	InfoSphere Optim Application Retirement Solution for z/OS

### **Product identification number**

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Program PID number	Subscription and Support PID number
5655-V03	5655-W81
5655-V04	5655-W82
5655-V05	5655-W80
5655-V06	5655-W79
5655-W83	5655-W84
5697-P39	5655-W77

### **IBM Training:**

Available from IBM training, the newest offerings support your training needs, enhance your skills, and boost your success with IBM software. IBM offers a complete portfolio of training options including traditional classroom, private onsite and eLearning courses. Many of our classroom courses are part of IBM's "Guaranteed to run program" ensuring your course will never be canceled. We have a robust eLearning portfolio including Instructor Led Online (ILO) courses, Self Paced Virtual courses (SPVC), and traditional Web Based Training (WBT) courses. A perfect complement to classroom training, our eLearning portfolio offers something for every need and every budget, simply select the style that suits you.

Be sure to take advantage of our custom training plans to map your path to acquiring skills. Enjoy further savings when you purchase training at a discount with an IBM Education Pack - online account flexible and convenient way to pay, track and manage your education expenses online.

The following key education resources have been updated to reflect the following products:

- InfoSphere Optim Move for DB2 for z/OS
- InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
- InfoSphere Optim Move for IMS/VSAM/SEQ
- InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
- InfoSphere Optim Test Data Management Solution for DB2 for z/OS
- InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
- InfoSphere Optim Data Growth Solution for DB2 for z/OS
- InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
- InfoSphere Optim Application Retirement Solution for z/OS

The following courses are available for customers installing one of the following InfoSphere Optim Move and Test Data Management products:

- InfoSphere Optim Move for DB2 for z/OS
- InfoSphere Optim Move for IMS/VSAM/SEQ
- InfoSphere Optim Test Data Management Solution for DB2 for z/OS

Course: InfoSphere Optim Data Growth for Archiving on Dist Systems

Classroom Instructor-Led

DT82      3T82

The following courses are available for customers installing one of the following InfoSphere Optim Move - Data Masking Option and InfoSphere Optim Test Data Management Solution - Data Masking Option products:

- InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
- InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
- InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option

Course: IBM Optim Data Privacy for z/OS

Classroom Instructor-Led

DT81 3T81

The following courses are available for customers installing one of the following InfoSphere Optim Data Growth and Application Retirement products:

- InfoSphere Optim Data Growth Solution for DB2 for z/OS
- InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
- InfoSphere Optim Application Retirement Solution for z/OS

Course: Using InfoSphere Optim Core Technology on Distributed Systems

Classroom Instructor-Led

DT80 3T80

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM training website

<http://www.ibm.com/services/learning/>

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

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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=213-180>

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## Publications

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All product publications are provided in softcopy format on the product media.

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## Technical information

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### **Specified operating environment**

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#### **Hardware requirements**

Refer to the [Software requirements](#) section for the website that lists all requirements.

## **Software requirements**

Detailed system requirements for IBM InfoSphere Optim for z/OS V7.2 products are available at

<http://www.ibm.com/support/docview.wss?uid=swg27036953>

The programs' 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.

## **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, at no additional charge.

- Read about the Electronic Support portfolio of tools  
<http://ibm.com/electronicssupport>
- Access the IBM Support Portal  
<http://ibm.com/support>
- Access the online Service Request tool  
<http://ibm.com/support/servicerequest>

## **Planning information**

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### **Packaging**

#### **5655-V03**

- **InfoSphere Optim Move for DB2 for z/OS, V7.2**
  - CD: License Information (LC27-5544-00)
  - SMP/E installable tape: Optim Solution for z/OS, V7.2
  - CD: Optim Solution for z/OS, V7.2 Publications (LCD7-4754-02)
- **InfoSphere Optim Move for DB2 for z/OS - Data Masking Option, V7.2**
  - CD: License Information (LC27-5545-00)
  - DVD Kit: Optim Data Masking Solution, V2.2 (LK4T-3404-01)
  - DVD: IBM InfoSphere Optim Masking on Demand, V9.1 (LCD7-4859-00)

#### **5655-V04**

- **InfoSphere Optim Move for IMS/VSAM/SEQ, V7.2**
  - CD: License Information (LC27-5546-00)
  - SMP/E installable tape: Optim Solution for z/OS, V7.2
  - CD: Optim Solution for z/OS V7.2 Publications (LCD7-4754-02)
  - CD/DVD Kit: Optim Client/Server, V9.1 (LK4T-3524-01)
  - CD Kit: InfoSphere Classic Federation Server, V10.1 (LK5T-7401-00)
  - Kit: InfoSphere Classic Federation Server, V10.1 (LK5T-7401-00)
  - SMP/E-installable tape: Classic Fed/Rep/EP Core (Base)
  - SMP/E-installable tape: Classic Fed Unique
  - SMP/E-installable tape: Classic Access IMS
  - SMP/E-installable tape: Classic Access VSAM



- DVD Kit: InfoSphere Federation Server, V9.7 (LK4T-4908-00)
- CD/DVD Kit: InfoSphere Federation Server Client, V9.7 (LK4T-4909-00)
- CD/DVD Kit: Data Server Runtime Client, V9.7 (LK4T-4910-00)
- **InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option, V7.2**
  - CD: License Information (LC27-5547-00)
  - DVD Kit: Optim Data Masking Solution, V2.2 (LK4T-3404-01)
  - DVD: IBM InfoSphere Optim Masking on Demand, V9.1 (LCD7-4859-00)

#### **5655-V05**

- **InfoSphere Optim Test Data Management Solution for DB2 for z/OS**
  - CD: License Information (LC27-5548-00)
  - SMP/E installable tape: Optim Solution for z/OS , V7.2
  - CD/DVD Kit: Optim Client/Server V9.1 (LK4T-3524-01)
- **InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option**
  - CD: License Information (LC27-5549-00)
  - DVD Kit: Optim Data Masking Solution, V2.2 (LK4T-3404-01)
  - DVD: IBM InfoSphere Optim Masking on Demand, V9.1 (LCD7-4859-00)

#### **5655-V06**

- **InfoSphere Optim Data Growth Solution for DB2 for z/OS**
  - CD: License Information (LC27-5550-00)
  - SMP/E installable tape: Optim Solution for z/OS , V7.2
  - CD: Optim Solution for z/OS V7.2 Publications (LCD7-4754-02)
  - CD/DVD Kit: Optim Client/Server V9.1 (LK4T-3524-01)

#### **5697-P39**

- **InfoSphere Optim Application Retirement Solution for z/OS , V7.2**
  - CD: License Information (LC27-5552-00)
  - SMP/E installable tape: Optim Solution for z/OS , V7.2
  - CD: Optim Solution for z/OS V7.2 Publications (LCD7-4754-02)
  - CD/DVD Kit: Optim Client/Server V9.1 (LK4T-3524-01)
  - CD Kit: InfoSphere Classic Federation Server, V10.1 (LK5T-7401-00)
  - Kit: InfoSphere Classic Federation Server, V10.1 (LK5T-7401-00)
  - SMP/E-installable tape: Classic Fed/Rep/EP Core (Base)
  - SMP/E-installable tape: Classic Fed Unique
  - SMP/E-installable tape: Classic Access IMS
  - SMP/E-installable tape: Classic Access VSAM
  - SMP/E-installable tape: Classic Access Adabas
  - SMP/E-installable tape: Classic Access CA-IDMS
  - SMP/E-installable tape: Classic Access Datacom
  - DVD Kit: InfoSphere Federation Server, V9.7 (LK4T-4908-00)
  - CD/DVD Kit: InfoSphere Federation Server Client, V9.7 (LK4T-4909-00)
  - CD/DVD Kit: Data Server Runtime Client, V9.7 (LK4T-4910-00)

## 5655-W83

- **InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager, V7.2**
  - CD: License Information (LC27-5551-00)
  - SMP/E installable tape: Optim Solution for z/OS , V7.2
  - CD: Optim Solution for z/OS V7.2 Publications (LCD7-4754-02)
  - CD/DVD Kit: Optim Client/Server V9.1 (LK4T-3524-01)

### **Security, auditability, and control**

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The InfoSphere Optim family of products uses the security and auditability features of the host hardware or software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## **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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### **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>

### **Charge metric**

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PID number	Charge metric	Program name
5655-V03	value units	InfoSphere Optim Move for DB2 for z/OS
5655-V03	value units	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
5655-V04	value units	InfoSphere Optim Move for IMS/VSAM/SEQ
5655-V04	value units	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option

5655-V05	value Units	InfoSphere Optim Test Data Management Solution for DB2 for z/OS
5655-V05	value Units	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
5655-V06	value Units	InfoSphere Optim Data Growth Solution for DB2 for z/OS
5655-W83	value Units	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
5697-P39	value Units	InfoSphere Optim Application Retirement Solution for z/OS

Value

unit exhibit	Program number	Program name
VUE007	5655-V03	InfoSphere Optim Move for DB2 for z/OS
VUE007	5655-V03	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
VUE007	5655-V04	InfoSphere Optim Move for IMS/VSAM/SEQ
VUE007	5655-V04	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
VUE007	5655-V05	InfoSphere Optim Test Data Management Solution for DB2 for z/OS
VUE007	5655-V05	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
VUE007	5655-V06	InfoSphere Optim Data Growth Solution for DB2 for z/OS
VUE033	5655-W83	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
VUE033	5697-P39	InfoSphere Optim Application Retirement Solution for z/OS

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.

### Basic license

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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:  
 InfoSphere Optim Move for DB2 for z/OS v7.2  
 Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRG	Basic OTC, per Value Unit	InfoSphere Optim Move for DB2 for z/OS

Orderable supply ID	Language	Distribution medium
S016NCL	Multiple	3590 tape

Program name:  
 InfoSphere Optim Move for DB2 for z/OS  
 - Data Masking Option v7.2  
 Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRF	Basic OTC, per Value Unit	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option

Orderable supply ID	Language	Distribution medium
S016NCJ	Multiple	DVD

Program name:  
 InfoSphere Optim Move for IMS/VSAM/SEQ  
 v7.2  
 Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRJ	Basic OTC, per Value Unit	InfoSphere Optim Move for IMS/VSAM/SEQ
Orderable supply ID    Language    Distribution medium		
S015RRM	Multiple	3590 tape - InfoSphere Optim move for IMS/VSAM/SEQ
S016NWZ	Multiple	3590 tape - InfoSphere Classic Federation Server for z/OS components of InfoSphere Optim Move for IMS/VSAM/SEQ

Program name:  
InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option V7.2  
Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRH	Basic OTC, per Value Unit	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
Orderable supply ID    Language    Distribution medium		
S016NCS	Multiple	DVD

Program name:  
InfoSphere Optim Test Data Management Solution for DB2 for z/OS V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S016NC9	Basic OTC, per Value Unit	InfoSphere Optim Test Data Management Solution for DB2 for z/OS
Orderable supply ID    Language    Distribution medium		
S016RRS	Multiple	3590 tape

Program name:  
InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S015RRT	Basic OTC, per Value Unit	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
Orderable supply ID    Language    Distribution medium		
S016NC8	Multiple	DVD

Program name:  
 InfoSphere Optim Data Growth Solution for DB2 for z/OS V7.2  
 Program PID: 5655-V06

Entitlement identifier	License option/ Pricing metric	Description
S016NBZ	Basic OTC, per Value Unit	InfoSphere Optim Data Growth Solution for DB2 for z/OS
Orderable supply ID	Language	Distribution medium
S015RT1	Multiple	3590 tape

Program name:  
 InfoSphere Optim Solution for Application Retirement for z/OS  
 - Open Data Manager V7.2  
 Program PID: 5655-W83

Entitlement identifier	License option/ Pricing metric	Description
S016NVP	Basic OTC, per Value Unit	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
Orderable supply ID	Language	Distribution medium
S016NWM	Multiple	3590 tape

Program name:  
 InfoSphere Optim Application Retirement Solution for z/OS V7.2  
 Program PID: 5697-P39

Entitlement identifier	License option/ Pricing metric	Description
S016NC0	Basic OTC, per Value Unit	InfoSphere Optim Application Retirement Solution for z/OS
Orderable supply ID	Language	Distribution medium
S015RT8	Multiple	3590 tape - InfoSphere Optim Application Retirement Solution for z/OS
S016NX1	Multiple	3590 tape - InfoSphere Classic Federation Server for z/OS components of Optim Application Retirement Solution for z/OS

Subscription and Support PID: 5655-W81

Entitlement identifier	License option/ Pricing metric	Description
S016NCP	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for DB2 for z/OS S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S015RRC	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w81

Entitlement identifier	License option/ Pricing metric	Description
S016NCR	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016NCN	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w82

Entitlement identifier	License option/ Pricing metric	Description
S016NCT	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for IMS/VSAM/SEQ S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016NCX	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w82

Entitlement identifier	License option/ Pricing metric	Description
S016NCV	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016ND0	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w80

Entitlement identifier	License option/ Pricing metric	Description
S016NCG	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Test Data Management Solution for DB2 for z/OS S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016NCC	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w80

Entitlement identifier	License option/ Pricing metric	Description
S016NCH	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016NCF	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w79

Entitlement identifier	License option/ Pricing metric	Description
S016NC7	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Data Growth Solution for DB2 for z/OS S&S
	No charge, decline SW S&S	
	Per MSU SW S&S registration	

Orderable supply ID	Language	Distribution medium
S016NBX	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w84

Entitlement identifier	License option/ Pricing metric	Description
S016NVR	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager S&S
	No charge, decline SW S&S	



Orderable supply ID	Language	Distribution medium
S016ND3	Multiple	Hardcopy Publication

Subscription and Support PID: 5655-w77

Entitlement identifier	License option/ Pricing metric	Description
S016ND1	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Application Retirement Solution for z/OS S&S
	No charge, decline SW S&S	

Orderable supply ID	Language	Distribution medium
S016NBV	Multiple	Hardcopy Publication

### On/Off CoD

Some of the products in this announcement are eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name:  
InfoSphere Optim Move for DB2 for z/OS  
V7.2  
Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRG	Basic OTC, per MSU-day TUC	InfoSphere Optim Move for DB2 for z/OS

Program name:  
InfoSphere Optim Move for DB2 for z/OS  
- Data Masking Option V7.2  
Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRF	Basic OTC, per MSU-day TUC	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option

Program name:  
InfoSphere Optim Move for IMS/VSAM/SEQ  
V7.2  
Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRJ	Basic OTC, per MSU-day TUC	InfoSphere Optim Move for IMS/VSAM/SEQ

Program name:  
InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option  
V7.2  
Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRH	Basic OTC, per MSU-day TUC	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option

Program name:  
InfoSphere Optim Test Data Management Solution for DB2  
for z/OS V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S016NC9	Basic OTC, per MSU-day TUC	InfoSphere Optim Test Data Management Solution for DB2 for z/OS

Program name:  
InfoSphere Optim Test Data Management Solution for DB2  
for z/OS - Data Masking Option V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S015RRT	Basic OTC, per MSU-day TUC	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option

Program name:  
InfoSphere Optim Data Growth Solution for DB2 for z/OS  
V7.2  
Program PID: 5655-V06

Entitlement identifier	License option/ Pricing metric	Description
S016NBZ	Basic OTC, per MSU-day TUC	InfoSphere Optim Data Growth Solution for DB2 for z/OS

## 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.

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

### **License Information form numbers**

Form number	Product number	Product name
GI13-1812-02	5655-V03	InfoSphere Optim Move for DB2 for z/OS
GI13-1813-03	5655-V03	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
GI13-1814-03	5655-V04	InfoSphere Optim Move for IMS/VSAM/SEQ
GI13-1815-04	5655-V04	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
GI13-1810-04	5655-V05	InfoSphere Optim Test Data Management Solution for DB2 for z/OS

GI13-1811-04	5655-V05	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
GI13-1809-03	5655-V06	InfoSphere Optim Data Growth Solution for DB2 for z/OS
GI13-1817-03	5655-W83	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager
GI13-1816-03	5697-P39	InfoSphere Optim Application Retirement Solution for z/OS

The program Licenses' 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

**Usage restrictions**

Yes. For information on usage restrictions, refer to the License Information document that is available for each product on the IBM Software License Agreement website

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

**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 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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## IBM Electronic Services

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Electronic Service Agent™ and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to IBM Systems customers. 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® 5.3, AIX 6.1, and AIX 7.1, 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, refer to

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

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 Electronic Service Agent tool-enabled customers to track system inventory and find pertinent fixes.

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### 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 no more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

**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 securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM. The customer's business applications or business data is never transmitted to IBM.

**More accurate reporting:** Since system information and error logs are automatically uploaded to the IBM Support center in conjunction with the service request, customers 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, customers can view system and support information in the "My Systems" and "Premium Search" sections of the Electronic Support website at

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

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 the customer's 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, customers are able to see search results that apply specifically to their systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or visit

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

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## Prices

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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.

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:

InfoSphere Optim Move for DB2 for z/OS V7.2  
Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRG	Basic OTC, per Value Unit	InfoSphere Optim Move for DB2 for z/OS
	Basic OTC, per MSU-day TUC	

Program name:

InfoSphere Optim Move for DB2 for z/OS - Data Masking Option V7.2  
Program PID: 5655-V03

Entitlement identifier	License option/ Pricing metric	Description
S015RRF	Basic OTC, per Value Unit	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option
	Basic OTC, per MSU-day TUC	

Program name:  
InfoSphere Optim Move for IMS/VSAM/SEQ V7.2  
Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRJ	Basic OTC, per Value Unit	InfoSphere Optim Move for IMS/VSAM/SEQ
	Basic OTC, per MSU-day TUC	

Program name:  
InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option V7.2  
Program PID: 5655-V04

Entitlement identifier	License option/ Pricing metric	Description
S015RRH	Basic OTC, per Value Unit	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option
	Basic OTC, per MSU-day TUC	

Program name:  
InfoSphere Optim Test Data Management Solution for DB2 for z/OS V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S016NC9	Basic OTC, per Value Unit	InfoSphere Optim Test Data Management Solution for DB2 for z/OS
	Basic OTC, per MSU-day TUC	

Program name:  
InfoSphere Optim Test Data Management Solution for DB2  
for z/OS - Data Masking Option V7.2  
Program PID: 5655-V05

Entitlement identifier	License option/ Pricing metric	Description
S015RRT	Basic OTC, per Value Unit	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option
	Basic OTC, per MSU-day TUC	

Program name:  
InfoSphere Optim Data Growth Solution for DB2 for z/OS V7.2  
Program PID: 5655-V06

Entitlement identifier	License option/ Pricing metric	Description
S016NBZ	Basic OTC, per Value Unit	InfoSphere Optim Data Growth Solution for DB2 for z/OS
	Basic OTC, per MSU-day TUC	



Program name:  
InfoSphere Optim Solution for Application Retirement for z/OS  
- Open Data Manager V7.2  
Program PID: 5655-W83

Entitlement identifier	License option/ Pricing metric	Description
S016NVP	Basic OTC, per Value Unit	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager

Program name:  
InfoSphere Optim Application Retirement Solution for z/OS V7.2  
Program PID: 5697-P39

Entitlement identifier	License option/ Pricing metric	Description
S016NCO	Basic OTC, per Value Unit	InfoSphere Optim Application Retirement Solution for z/OS

Subscription and Support PID: 5655-W81

Entitlement identifier	License option/ Pricing metric	Description
S016NCP	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for DB2 for z/OS S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-W81

Entitlement identifier	License option/ Pricing metric	Description
S016NCR	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for DB2 for z/OS - Data Masking Option S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-W82

Entitlement identifier	License option/ Pricing metric	Description
S016NCT	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for IMS/VSAM/SEQ S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-w82

Entitlement identifier	License option/ Pricing metric	Description
S016NCV	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Move for IMS/VSAM/SEQ - Data Masking Option S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-v05

Entitlement identifier	License option/ Pricing metric	Description
S016NCG	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Test Data Management Solution for DB2 for z/OS S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-w80

Entitlement identifier	License option/ Pricing metric	Description
S016NCH	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Test Data Management Solution for DB2 for z/OS - Data Masking Option S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-w79

Entitlement identifier	License option/ Pricing metric	Description
S016NC7	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Data Growth Solution for DB2 for z/OS S&S
	Per MSU SW S&S registration	
	No charge, decline SW S&S	

Subscription and Support PID: 5655-w84

Entitlement identifier	License option/ Pricing metric	Description
S016NVR	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Solution for Application Retirement for z/OS - Open Data Manager S&S

No charge,  
decline SW S&S

Subscription and Support PID: 5655-w77

Entitlement identifier	License option/ Pricing metric	Description
S016ND1	Basic ASC, per Value Unit SW S&S	InfoSphere Optim Application Retirement Solution for z/OS S&S
	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. 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.

## IBM Global Financing

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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 visit

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

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payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

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## Order now

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To order, contact the Americas Call Centers or your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

Phone: 800-IBM-CALL (426-2255)  
Fax: 800-2IBM-FAX (242-6329)  
For IBM representative: [callserv@ca.ibm.com](mailto:callserv@ca.ibm.com)  
For IBM Business Partner: [pwswna@us.ibm.com](mailto:pwswna@us.ibm.com)  
Mail: IBM Teleweb Customer Support  
ibm.com Sales Execution Center, Americas North  
3500 Steeles Ave. East, Tower 3/4  
Markham, Ontario  
Canada  
L3R 2Z1

Reference: LE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.

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