

IBM InfoSphere V11.3 IMS and VSAM replication and Classic Federation solutions for IBM z/OS enable near real-time replication of and SQL access to z/OS data

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At a glance

IBM® InfoSphere® IMS™ and VSAM replication and Classic Federation solutions for z/OS® offer the following functionality:

- IBM InfoSphere Classic Federation Server for z/OS, V11.3 provides integration of nonrelational z/OS data with distributed tools and applications through improved SQL-driven access to z/OS data sources.
- IBM InfoSphere Classic Change Data Capture for z/OS, V11.3 supports replication of IMS and VSAM data to a local or remote DB2® for z/OS database through integration with the separately available IBM InfoSphere Data Replication for DB2 for z/OS product. Additionally, an extensive list of distributed data, tool, and application environments are available through integration with the separately available IBM InfoSphere Data Replication products that include the following:
 - Relational databases such as DB2, Informix®, Oracle, and SQL Server
 - Data appliances such as IBM InfoSphere Pure Data for Analytics
 - Hadoop clusters such as IBM InfoSphere BigInsights™
 - Information integration and governance solutions such as IBM InfoSphere Information Server
- IBM InfoSphere Data Replication for IMS for z/OS, V11.3 supports replication of data between IMS databases.
- IBM InfoSphere Data Replication for VSAM for z/OS, V11.3 supports replication of data between VSAM databases.

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

Overview

The following IBM InfoSphere z/OS data replication and integration solutions are available with this release:

- InfoSphere Classic Change Data Capture for z/OS, V11.3 (Classic CDC)
- InfoSphere Classic Federation Server for z/OS, V11.3 (Classic Federation)
- InfoSphere Data Replication for IMS for z/OS, V11.3 (IIDR for IMS)
- InfoSphere Data Replication for VSAM for z/OS, V11.3 (IIDR for VSAM)

These solutions include the following functionality:

- Classic CDC enables IMS and VSAM as data replication sources for distributed targets through integration with the separately available IBM InfoSphere Data Replication product.
- Classic CDC enables IMS and VSAM as data replication sources for DB2 for z/OS through integration with the separately available IBM InfoSphere Data Replication for DB2 for z/OS product.
- Classic Federation provides integration of nonrelational z/OS data through improved SQL-driven access to z/OS data sources.
- IIDR for IMS supports replication of data between IMS databases.
- IIDR for VSAM supports replication of data between VSAM databases.

For additional details, refer to the [Description](#) section.

Key prerequisites

IBM z/OS V1.13 or V2.1. For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

March 13, 2015

Description

InfoSphere Classic Change Data Capture for z/OS supports IMS and VSAM as a data source when used with InfoSphere Data Replication and Change Data Deliveries change data capture components, targeting both z/OS and distributed platforms. This combination of products enables unidirectional movement of IMS and VSAM data to:

- Local or remote relational database management systems
- Message queues
- Flat files
- Transformation engines such as InfoSphere DataStage®
- Database appliances such as IBM PureData™ System for Analytics, powered by Netezza® technology

Fast and consistent delivery of business-critical IMS data changes drives:

- Big data analytics of z/OS data with Hadoop or Hive
- Dynamic data warehousing
- Service-oriented architecture (SOA) initiatives
- Live reporting
- Data consolidation and migration projects
- Master data management initiatives

InfoSphere Classic Federation Server for z/OS enhances IBM's premier z/OS data integration solution. New capability includes IMS V13 support.

InfoSphere Data Replication for IMS for z/OS delivers a native IMS-to-IMS software replication solution that supports high-availability IMS data environments. This solution synchronizes the contents of IMS databases on a single site or across geographically dispersed locations in near real time with full recovery. When used

with IBM management solutions, InfoSphere Data Replication for IMS for z/OS supports a hot standby environment that can dramatically reduce the time to recovery for 24x7 processing environments.

InfoSphere Data Replication for IMS for z/OS supports IMS as a data source when used with InfoSphere Data Replication and InfoSphere Data Replication for DB2 for z/OS change data capture technology, targeting both z/OS and distributed platforms. This combination of products enables unidirectional movement of IMS data to:

- Local or remote relational database management systems
- Message queues
- Flat files
- Transformation engines such as InfoSphere DataStage

Fast and consistent delivery of business-critical IMS data changes drives:

- Big data analytics of z/OS data with Hadoop or Hive
- Dynamic data warehousing
- SOA initiatives
- Live reporting
- Data consolidation and migration projects
- Master data management initiatives

This latest release expands support to include replication of IMS databases updated using IMS Subset Pointers and those using FLDs.

InfoSphere Data Replication for VSAM for z/OS delivers a native VSAM-to-VSAM software replication solution that supports high-availability VSAM data environments. This solution synchronizes the contents of VSAM databases on a single site or across geographically dispersed locations in near real time with full recovery.

When used with IBM management solutions, InfoSphere Data Replication for VSAM for z/OS supports a hot standby environment that can dramatically reduce the time to recovery for today's 24x7 processing environments.

InfoSphere Data Replication for VSAM for z/OS also supports VSAM as a data source when used with InfoSphere Data Replication and InfoSphere Data Replication for DB2 for z/OS change data capture technology, targeting both z/OS and distributed platforms. This combination of products enables unidirectional movement of VSAM data to:

- Local or remote relational database management systems
- Message queues
- Flat files
- Transformation engines such as InfoSphere DataStage

Fast and consistent delivery of business-critical VSAM data changes drives:

- Big data analytics of z/OS data with Hadoop or Hive
- Dynamic data warehousing
- SOA initiatives
- Live reporting
- Data consolidation and migration projects
- Master data management initiatives

Accessibility by people with disabilities

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

Value Unit-based pricing

Value Unit pricing for eligible IBM z Systems IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each z Systems 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 z Systems 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 z Systems IPLA program that you have acquired is referred to as *entitled license capacity*. If you want to grow your entitled license capacity for a z Systems IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each z Systems 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 z Systems IPLA program you selected, refer to the [Terms and conditions](#) section.

Product positioning

InfoSphere Classic Change Data Capture for z/OS is integrated into the IBM Information Management software portfolio. This product is intended for:

- Clients who need accurate and frequent sales and customer reports to make good operational decisions regarding pricing, merchandising, and inventory management. InfoSphere Classic Change Data Capture for z/OS enables

consolidation of key business data from diverse operational systems into a centralized data warehouse in near real time.

- Companies that want more business agility through near real-time change data capture.
- Enterprises that require more business visibility through granular data changes in near real-time business intelligence.
- Organizations that want increased responsiveness to business events and the ability to capitalize on upcoming business opportunities through event detection.
- Retailers who want to sell in stores, over the web, and by phone, and who need consistent, up-to-date information accessible to all three channels. An example is ensuring that wedding registry purchases are not duplicated and that customers can inquire over the phone or on the web about product availability and the status of orders completed through other channels.
- Public companies that need to do consolidated financial reporting across a range of transactional systems in different regions, departments, or business units.
- Companies that need to migrate data from an incompatible enterprise resource planning (ERP) application of an acquired company into their own ERP application (or between incompatible versions of an ERP application).
- Shipping companies that want customers to be able to access near real-time shipment information on their website while minimizing the impact on their mission-critical logistics systems they use to ensure efficient, continuous operations.
- Government agencies that want to provide public access to up-to-date information on criminal proceedings on the Internet but cannot risk letting users directly access sensitive information on offenders.
- Financial services companies that need to flow data from legacy financial systems on mainframes into systems on open platforms to support Internet-based communications, statement processing, and other applications more efficiently, with minimal impact to key legacy systems.
- Health insurers who need to offload queries, reports, and backups to avoid impacting performance and user response times on their claims processing systems that are essential for operations.

Program number

Program number	VRM	Program name
5655-IM5	11.3	InfoSphere Classic Change Data Capture for z/OS
5655-IM4	11.3	InfoSphere Classic Federation Server for z/OS
5655-IM1	11.3	InfoSphere Data Replication for IMS for z/OS
5655-Y18	11.3	InfoSphere Data Replication for VSAM for z/OS

Product identification number

Program PID number	Subscription and Support PID number
5655-IM5	5655-w31
5655-IM4	5655-s03
5655-IM1	5655-w30
5655-Y18	5655-y19

Education support

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.

Offering Information

Product information is available via the Offering Information website

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

Business Partner information

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

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=215-067>

Publications

The following publications can be ordered:

Title	Order number
InfoSphere Classic Change Data Capture for z/OS: End user documentation	SC19-4172
InfoSphere Classic Federation Server for z/OS: Installation Guide for IBM InfoSphere Classic Federation Server for z/OS	GC19-4169
IBM InfoSphere Classic Federation Server for z/OS Guide and Reference	SC19-4170
System Messages for IBM InfoSphere Classic Federation Server for z/OS	GC19-4171
InfoSphere Data Replication for IMS for z/OS: Installation Guide for IBM InfoSphere Data Replication for IMS for z/OS	GC19-4173
IBM InfoSphere Data Replication for IMS for z/OS Guide and Reference	SC19-4174
System Messages for IBM InfoSphere Data Replication for IMS for z/OS	GC19-4175
InfoSphere Data Replication for VSAM for z/OS: Installation Guide for IBM InfoSphere Data Replication for VSAM for z/OS	GC19-4176
IBM InfoSphere Data Replication for VSAM for z/OS Guide and Reference	SC19-4177
System Messages for IBM InfoSphere Data Replication for VSAM for z/OS	GC19-4178

The IBM Publications Center

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

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, and they can all be downloaded by all countries.

Services

Software Services

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

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

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

Technical information

Specified operating environment

Hardware requirements

For the most current information regarding hardware requirements, refer to

- IBM InfoSphere Classic Change Data Capture for z/OS
<https://ibm.biz/BdD25f>
- IBM InfoSphere Classic Federation Server for z/OS
<https://ibm.biz/BdD25S>
- IBM InfoSphere Data Replication for IMS for z/OS
<https://ibm.biz/BdD252>
- IBM InfoSphere Data Replication for VSAM for z/OS
<https://ibm.biz/BdD25v>

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.

Software requirements

For the most current information regarding system requirements and supported data sources, refer to

<http://www.ibm.com/support/docview.wss?uid=swg27021357>

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 [Usage restrictions](#) section of this announcement, or to the License Information document that is available on the IBM Software License Agreement website

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

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

Packaging

InfoSphere Classic Change Data Capture for z/OS is distributed with:

- IBM International Program License Agreement on CD
- One 3590 tape uncompressed
- Program Directory
- Quick Start Card
- One DVD with Classic Data Architect software
- One DVD with Management Console, Access Server software, and PDFs for documents

InfoSphere Classic Federation Server for z/OS is distributed with:

- IBM International Program License Agreement on CD
- One 3590 tape uncompressed
- Program Directory
- Quick Start Cards delivered through the Internet
- One DVD with Classic Data Architect software
- One DVD with Classic Tools software

InfoSphere Data Replication for IMS for z/OS is distributed with:

- IBM International Program License Agreement on CD
- One 3590 tape uncompressed
- Program Directory for Classic Replication for IMS
- Quick Start Card for Classic Replication for IMS
- One DVD with Classic Data Architect software
- One DVD with Management Console, Access Server software, and PDFs for documents

InfoSphere Data Replication for VSAM for z/OS is distributed with:

- IBM International Program License Agreement on CD
- One 3590 tape uncompressed
- Program Directory
- Quick Start Card
- One DVD with Classic Data Architect software

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

Direct customer support

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

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

Security, auditability, and control

InfoSphere Classic Change Data Capture for z/OS, InfoSphere Classic Federation Server for z/OS, InfoSphere Data Replication for IMS for z/OS, and InfoSphere Data Replication for VSAM for z/OS use the security and auditability features of the host hardware or software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

Ordering z/OS through the Internet

Shopz 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). Shopz is available in the US and several countries in Europe. In countries where Shopz 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 Shopz website at

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

Charge metric

Program name	Part number or PID number	Charge metric
InfoSphere Classic Change Data Capture for z/OS	5655-IM5	Value units
InfoSphere Classic Federation Server for z/OS	5655-IM4	Value units
InfoSphere Data Replication for IMS for z/OS	5655-IM1	Value units
InfoSphere Data Replication for VSAM for z/OS	5655-Y18	Value units

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

Program number	Program name	Value Unit exhibit
5655-IM5	InfoSphere Classic Change Data Capture for z/OS	VUE007
5655-IM4	InfoSphere Classic Federation Server for z/OS	VUE007
5655-IM1	InfoSphere Data Replication for IMS for z/OS	VUE007
5655-Y18	InfoSphere Data Replication for VSAM for z/OS	VUE007

For each z Systems 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 z Systems 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

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 z Systems 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

On/Off CoD

InfoSphere Classic Change Data Capture for z/OS, InfoSphere Classic Federation Server for z/OS, InfoSphere Data Replication for IMS for z/OS, and InfoSphere Data Replication for VSAM for z/OS are eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Value Unit exhibit VUE007

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.20

Value Units for mainframes without MSU ratings

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

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.

Customers with IPLA replaced product IBM InfoSphere Classic Replication Server for z/OS (5655R53) may trade up to IPLA replacement product InfoSphere Classic CDC for z/OS (5655IM5).

Trade up is on a like for like Entitled Entity (EE) basis. For example, a customer with 5655R53, InfoSphere Classic Replication Server for IMS EE S013KKB, can trade up to 5655IM5, InfoSphere Classic CDC IMS for z/OS EE S017CLB.

The customer's IPLA replaced license 5655R53 must have active Subscription and Support (S&S), 5655S04 for the respective EEs.

Replaced IPLA 5655R53 EEs

EE Description	EE
InfoSphere Classic Replication Server for IMS	S013KKB
InfoSphere Classic Replication Server for VSAM	S013KKB

Replacement IPLA 5655IM5 EEs

EE Description	EE
7CLB	
InfoSphere Classic CDC VSAM for z/OS	S017PLG

Program name: InfoSphere Classic Change Data Capture for z/OS, V11.3
Program PID: 5655-IM5

Entitlement identifier	Description	License option/ Pricing metric
S017CLB	InfoSphere Classic CDC for IMS for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017PLG	InfoSphere Classic CDC for VSAM for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S017CL9	InfoSphere Classic CDC for IMS for z/OS	English	3590 tape
S017PLF	InfoSphere Classic CDC for VSAM for z/OS	English	3590 tape

Subscription and Support PID: 5655-W31

Entitlement identifier	Description	License option/ Pricing metric
S016P0K	InfoSphere Classic CDC for IMS for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S017PLJ	InfoSphere Classic CDC for VSAM for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S016P0J	InfoSphere Classic CDC for IMS for z/OS	English	Hardcopy pub
S017RB6	InfoSphere Classic CDC for VSAM for z/OS	English	Hardcopy pub

Program name: InfoSphere Classic Federation Server for z/OS, V11.3
Program PID: 5655-IM4

Entitlement identifier	Description	License option/ Pricing metric
S017DMZ	InfoSphere Classic Federation Server for z/OS (Datacom)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017DN0	InfoSphere Classic Federation Server for z/OS (Adabas)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017CL3	InfoSphere Classic Federation Server for z/OS (IMS)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017DMX	InfoSphere Classic Federation Server for z/OS (VSAM)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017DN1	InfoSphere Classic Federation Server for z/OS (DB2)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017DMW	InfoSphere Classic Federation Server for z/OS (IDMS)	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S017DMS	InfoSphere Classic Federation Server for z/OS (Datacom)	English	3590 tape
S017DMT	InfoSphere Classic Federation Server for z/OS (Adabas)	English	3590 tape
S017CW3	InfoSphere Classic Federation Server for z/OS (IMS)	English	3590 tape
S017DMV	InfoSphere Classic Federation Server for z/OS (VSAM)	English	3590 tape
S017DMP	InfoSphere Classic Federation Server for z/OS (DB2)	English	3590 tape
S017DMR	InfoSphere Classic Federation Server for z/OS (IDMS)	English	3590 tape

Subscription and Support PID: 5655-S03

Entitlement identifier	Description	License option/ Pricing metric
S013KZL	InfoSphere Classic Federation Server for z/OS (Datacom)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S013KXK	InfoSphere Classic Federation Server for z/OS (Adabas)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S013KZF	InfoSphere Classic Federation Server for z/OS (IMS)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S013KZT	InfoSphere Classic Federation Server for z/OS (VSAM)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S013KXW	InfoSphere Classic Federation Server for z/OS (DB2)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
S013KZN	InfoSphere Classic Federation Server for z/OS (IDMS)	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S013KKR	InfoSphere Classic Federation Server for z/OS (Datacom)	Multilingual	Hardcopy pub
S013KKV	InfoSphere Classic Federation Server for z/OS (Adabas)	Multilingual	Hardcopy pub
S013KZK	InfoSphere Classic Federation Server for z/OS (IMS)	Multilingual	Hardcopy pub
S013KZR	InfoSphere Classic Federation Server for z/OS (VSAM)	Multilingual	Hardcopy pub
S013KXS	InfoSphere Classic Federation Server for z/OS (DB2)	Multilingual	Hardcopy pub
S013KXV	InfoSphere Classic Federation Server for z/OS (IDMS)	Multilingual	Hardcopy pub

Program name: InfoSphere Data Replication for IMS for z/OS, V11.3
 Program PID: 5655-IM1

Entitlement identifier	Description	License option/ Pricing metric
S017CL1	InfoSphere Data Replication for IMS for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S017CL0	InfoSphere Data Replication for IMS for z/OS	English	3590 tape

Subscription and Support PID: 5655-W30

Entitlement identifier	Description	License option/ Pricing metric
S016P0C	InfoSphere Data Replication for IMS for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S016P0B	InfoSphere Data Replication for IMS for z/OS	English	Hardcopy pub

Program name: InfoSphere Data Replication for VSAM for z/OS, V11.3
Program PID: 5655-Y18

Entitlement identifier	Description	License option/ Pricing metric
S017CKX	InfoSphere Data Replication for VSAM for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S017CKW	InfoSphere Data Replication for VSAM for z/OS	English	3590 tape

Subscription and Support PID: 5655-Y19

Entitlement identifier	Description	License option/ Pricing metric
S017CWM	InfoSphere Data Replication for VSAM for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Description	Language	Distribution medium
S017CWL	InfoSphere Data Replication for VSAM for z/OS	English	Hardcopy pub

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 z Systems 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

Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where Shopz 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://www.ibm.com/software/ShopzSeries>

For additional information on the Product ServerPac option, refer to Software Announcement [212-272](#), dated July 31, 2012.

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.

Terms and conditions

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

Licensing

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

Agreement for Acquisition of Software Maintenance

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

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

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 numbers

License information form numbers:

- L-GMET-99XKPA - InfoSphere Classic Change Data Capture for z/OS, V11.3
- L-GMET-99XKJP - InfoSphere Classic Federation Server for z/OS, V11.3
- L-GMET-99XJ5K - InfoSphere Data Replication for IMS for z/OS, V11.3
- L-GMET-99XKH5 - InfoSphere Data Replication for VSAM for z/OS, V11.3

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

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

Limited warranty applies

Yes

Limited warranty

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

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

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

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

Program support

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

Money-back guarantee

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

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

No

Usage restrictions

Yes. For additional information, refer to the License Information document that is available on the IBM Software License Agreement website

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

Software Subscription and Support applies

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/si/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

For each z Systems 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 z Systems 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 z Systems IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if applicable
5655-IM5	InfoSphere Classic Change Data Capture for z/OS	z/OS-based sub-capacity	
5655-IM4	InfoSphere Classic Federation Server for z/OS	z/OS-based sub-capacity	
5655-IM1	InfoSphere Data Replication for IMS for z/OS	Reference-based sub-capacity	IMS v12, IMS v13
5655-Y18	InfoSphere Data Replication for VSAM for z/OS	z/OS-based sub-capacity	

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 z Systems IPLA program with these terms equals the MSU-rated capacity of the machines where the z Systems 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 z Systems 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 z Systems IPLA sub-capacity program with these terms equals the capacity of the LPARs where the z Systems IPLA program executes.

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

Reference based: The required license capacity of a z Systems 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 z Systems IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the z Systems IPLA program executes.

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

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

For additional information for products with reference-based terms, z Systems IPLA sub-capacity programs with reference-based terms adds value to the parent

program across the environment, regardless of where in the environment the z Systems 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 z Systems IPLA program with referenced-based terms, each environment should be assessed separately.

When a z Systems IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the z Systems 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 z Systems 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 z Systems (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 z Systems 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 z Systems Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM z Systems 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 z Systems Programs Sub-Capacity Pricing* (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous z Systems IPLA sub-capacity terms and conditions.

Sub-capacity utilization determination

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

On/Off capacity on demand (CoD)

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

Statement of good security practices

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

IBM Electronic Services

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

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 24x7 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 is designed to securely transmit either via the Internet (HTTPS or VPN) or modem 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.

For additional information, please refer to IBM Electronic Service Agent

<http://www-01.ibm.com/support/esa/>

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

Customized support: Using the IBM ID entered during activation, you can view system and support information in the My Systems and Premium Search sections of the 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 your IBM ID. Premium Search combines the function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

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

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

Prices

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

Information on charges is available at

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

Choose the option entitled Purchase/upgrade tools.

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 Classic Change Data Capture for z/OS, V11.3
Program PID: 5655-IM5

Entitlement identifier	Description	License option/ Pricing metric
S017CLB	InfoSphere Classic CDC for IMS for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC
S017PLG	InfoSphere Classic CDC for VSAM for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-w31

Entitlement identifier	Description	License option/ Pricing metric
S016P0K	InfoSphere Classic CDC for IMS for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Program name: InfoSphere Data Replication for VSAM for z/OS, V11.3
Program PID: 5655-Y18

Entitlement identifier	Description	License option/ Pricing metric
S017CKX	InfoSphere Data Replication for VSAM for z/OS	Basic OTC, per Value Unit Basic OTC, per MSU-day TUC

Subscription and Support PID: 5655-Y19

Entitlement identifier	Description	License option/ Pricing metric
S017CWM	InfoSphere Data Replication for VSAM for z/OS	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

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 z/OS license or its equivalent. To enable customers to continue to receive a level of support comparable to the level of support they are used to receiving in the ICA business model, they must order both the license for the program and the support for the selected programs at the same Value Unit quantities.

Variable charges: The applicable processor-based one-time charge will be based on the group of the designated machine on which the program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies. For movement to a machine in a higher group, an upgrade charge equal to the difference in the then-current charges between the two groups will apply. For movement to a machine in a lower group, there will be no adjustment or refund of charges paid.

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large

enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

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

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

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Order now

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)
Email: callserv@ca.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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