IBM InfoSphere Data Replication for DB2 for z/OS, V10.2.1 offers data replication technologies for enhanced flexibility and performance

At a glance

InfoSphere® Data Replication for DB2® for z/OS®, V10.2.1 packages data replication technologies in a single offering to give you considerable flexibility in your choice of data replication technologies and solutions.

- Change Data Capture
- SQL Replication
- Q Replication

Overview

InfoSphere Data Replication for DB2 for z/OS, V10.2.1 provides a single offering for a wide variety of data replication solutions, ranging from continuous availability, active-active databases, and live reporting to database migration.

Key features include:

- Full access to InfoSphere Data Replication for DB2 for z/OS technologies, including Change Data Capture, Q Replication, and SQL Replication
- Scalable, high-volume, low-latency replication of DB2 for z/OS data with transactional integrity
- Support of key DB2 for z/OS features such as Large Objects (LOBs), edit procedures, field procedures, reordered row log format, and Load from Cursor for fast load of target tables
- Replication between DB2 for z/OS subsystems
- Replication between DB2 for z/OS and distributed databases such as DB2 for Linux™, UNIX™, Microsoft™ Windows™, System i®, InfoSphere Warehouse, IBM® Smart Analytics Systems, Oracle, Microsoft SQL Server, Sybase, Teradata, and more, when combined with the InfoSphere Data Replication offering for Linux, UNIX, and Windows (additional entitlement required)
- Replication between DB2 for z/OS and Netezza® appliances, including IBM PureData™ System for Analytics, when combined with InfoSphere Data Replication for Netezza technology (additional entitlement required)
- Design for IBM System z® with SMP/E install, Automatic Restart Manager (ARM) registration, and Resource Access Control Facility (RACF®) support
- Log-based, change data capture
• Easy transmission of changed data to extract, load, and transform (ETL) tools such as InfoSphere DataStage®
• Support for a wide array of topologies, including one-way and two-way data distribution solutions between a central master site and numerous remote locations
• Robust conflict detection and resolution options to support data changes made to multiple databases through bidirectional usage
• Built-in compare and repair utilities for determining data differences between sources and targets
• Consolidation of data from many sources into a single target
• Live audit and consistent change data (CCD) tables for a comprehensive audit trail of source changes
• Transformation of changed data while replicating
• Historical data for tuning and service level agreement compliance
• GUIs and a full-featured, command-line processor
• Web-based health and performance monitoring
• DB2 Temporal Table support
• Instrumentation facility interface (IFI) filtering in DB2 for z/OS, V11
• DB2 for z/OS, V11 support

**Key prerequisites**

Q Replication of InfoSphere Data Replication for DB2 for z/OS requires WebSphere® MQ for z/OS V7.0.1, or later. A restricted-use license of WebSphere MQ for z/OS V7.1 is included at no additional charge.

For details, refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

October 25, 2013

**Description**

The change data capture technology of InfoSphere Data Replication for DB2 for z/OS delivers real-time data integration across the enterprise, enabling you to respond to business-relevant data changes.

Key new capabilities available in the change data capture technology of InfoSphere Data Replication for DB2 for z/OS, V10.2.1 include:

**Change Data Capture**

• Performance: IFI filtering in DB2 for z/OS, V11
• IBM Integration: Support for DB2 for z/OS, V11

**Q Replication and SQL Replication**

• Performance
  – Capture performance improvements
  – IFI filtering in DB2 for z/OS, V11
• IBM Integration
  – Support for DB2 for z/OS, V11
  – Temporal Table support in DB2 for z/OS
- Support for Alter Key in unidirectional subscriptions
- Replication of Drop Column in DB2 for z/OS, V11
- Geographically Dispersed Parallel Sysplex (GDPS) active-active
- Multiple Consistency Groups (MCG) enhancements
- Disk Replication Graceful Switch

**Upgrades-migrations-trade ups**

If you have IBM products in the following list, you can move from those products to InfoSphere Data Replication for DB2 for z/OS, V10.2.1 without having to do a physical migration of your current installs until you want to take advantage of the new replication function in InfoSphere Data Replication for DB2 for z/OS, V10.2.1

- InfoSphere Change Data Capture for z/OS, V6.5 (5655-U96)
- InfoSphere Replication Server for z/OS, V10.1 (5655-IRS)
- InfoSphere Data Event Publisher for z/OS, V10.1 (5655-DEP)

However, you are not entitled to InfoSphere Data Replication for DB2 for z/OS, V10.2.1 as part of a current subscription and support offering for any of the listed products. Instead, if you are current on subscription and support, the purchase of a trade-up part is required. The trade up requires you to relinquish your entitlements to the listed products.

If you are not current on subscription and support and want to purchase a trade-up part, you are required to pay a get-current or maintenance reinstatement fee.

If you have the IBM products in the following list, you can move from these products to InfoSphere Data Replication for DB2 for z/OS, V10.2.1, but you must migrate your current installs using the installs provided with InfoSphere Data Replication.

- WebSphere Replication Server for z/OS, V9.1 (5655-R55)
- WebSphere Data Event Publisher for z/OS, V9.1 (5655-R56)
- Information Server Change Data Capture for System z, V5.4 (5655-U76)

You are not entitled to InfoSphere Data Replication for z/OS, V10.2.1 as part of a current subscription and support offering for any of the latter listed products. Instead, if you are current on subscription and support, the purchase of a trade-up part is required.

If you are not current on subscription and support, and want to purchase a trade-up part, you are required to pay a get-current or maintenance reinstatement fee.

No InfoSphere Data Replication for z/OS trade-up part exists for InfoSphere Change Data Delivery. Therefore, if you received the Change Data Capture technology for DB2 for z/OS through Change Data Delivery and you wish to use the functionality outside of the Change Data Delivery license terms, you must purchase InfoSphere Data Replication for DB2 for z/OS as a new product.

**Trade ups**

The price of the trade up is based upon the capacity as currently licensed. The remaining value of your subscription and support for the existing entitlements will be prorated and applied to the purchase of subscription and support for InfoSphere Data Replication for DB2 for z/OS after which the subscription and support license for the existing product will be cancelled.
Customers currently entitled to products in the following table can trade up to InfoSphere Data Replication for DB2 for z/OS as indicated in the table.

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program ID</th>
<th>Description</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-IRS</td>
<td>S016GF8</td>
<td>Replication Server Q Replication</td>
<td>10</td>
</tr>
<tr>
<td>5655-IRS</td>
<td>S016GF7</td>
<td>SQL and Q Replication for DB2</td>
<td>10</td>
</tr>
<tr>
<td>5655-IRS</td>
<td>S016GF9</td>
<td>SQL Replication for DB2</td>
<td>10</td>
</tr>
<tr>
<td>5655-DEP</td>
<td>S016GFL</td>
<td>InfoSphere Data Event Publisher</td>
<td>10</td>
</tr>
<tr>
<td>5655-U96</td>
<td>S01521H</td>
<td>InfoSphere Change Data Capture for z/OS</td>
<td>6</td>
</tr>
<tr>
<td>5655-U76</td>
<td>S01521H</td>
<td>Change Data Capture for System z</td>
<td>5</td>
</tr>
<tr>
<td>5655-R55</td>
<td>S016GF7</td>
<td>SQL and Q Replication for DB2</td>
<td>9</td>
</tr>
<tr>
<td>5655-R55</td>
<td>S016GF9</td>
<td>SQL Replication for DB2</td>
<td>9</td>
</tr>
<tr>
<td>5655-R55</td>
<td>S016GF8</td>
<td>WebSphere Replication Server Q Replication</td>
<td>9</td>
</tr>
<tr>
<td>5655-R56</td>
<td>S016GFL</td>
<td>WebSphere Data Event Publisher</td>
<td>9</td>
</tr>
</tbody>
</table>

Customers will be entitled to MSUs of InfoSphere Data Replication at a ratio of 1:1, charged at the trade-up price that corresponds to the customers' entitled product.

**Accessibility by people with disabilities**

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


**Value Unit-based pricing**

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

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

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

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

- Determine the required license capacity, in MSUs.
- Aggregate the MSUs across the enterprise.
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit.
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost.
To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool website http://ibm.com/zseries/swprice/vuctool

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

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

**Product positioning**

InfoSphere Data Replication for DB2 for z/OS is integrated into the IBM Information Management software portfolio. The intended audience for this product includes:

- Any organization that needs to provide an active-active database solution for DB2 for z/OS.
- Customers who need accurate and frequent sales and customer reports to make good operational decisions regarding pricing, merchandising, and inventory management. This is enabled through 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 that is accessible to all three channels. For example, 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 significantly reducing the impact on the mission-critical logistics systems they use to help 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.

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
<th>Program number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-DRP</td>
<td>10.2.1</td>
<td>InfoSphere Data Replication for DB2 for z/OS</td>
<td></td>
</tr>
</tbody>
</table>
Product identification number

<table>
<thead>
<tr>
<th>Subscribed and</th>
<th>Support PID number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-DRP</td>
<td>5655-DRS</td>
</tr>
</tbody>
</table>

Offering Information

Product information is available via the Offering Information website

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

Publications

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. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

The following table provides information that can be used to locate this product's publications on the IBM Publications Center.

<table>
<thead>
<tr>
<th>Publication title</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>InfoSphere Data Replication for DB2 for z/OS License form number</td>
<td>GC19-3989</td>
</tr>
<tr>
<td>InfoSphere Data Replication for DB2 for z/OS Program Directory Replication and Event Publishing Guide and Reference</td>
<td>GI10-8941</td>
</tr>
<tr>
<td>InfoSphere Data Replication for DB2 for z/OS Program Directory Replication and Event Publishing Guide and Reference</td>
<td>SC19-3637</td>
</tr>
<tr>
<td>SQL Replication Guide and Reference</td>
<td>SC19-3638</td>
</tr>
<tr>
<td>Replication Installation and Customization Guide for z/OS Migrating to Replication and Event Publishing Version 10.2.1</td>
<td>SC19-3679</td>
</tr>
<tr>
<td>ASNCILP Program Reference for Replication and Event Publishing</td>
<td>SC19-3639</td>
</tr>
</tbody>
</table>

Technical information

Specified operating environment

Hardware requirements

The hardware requirements can be found in the system requirements section of the InfoSphere Data Replication for DB2 for z/OS pages on ibm.com at


Software requirements

The software requirements can be found in the system requirements section of the InfoSphere Data Replication for DB2 for z/OS pages on ibm.com at

For Q Replication, WebSphere MQ V7.1, or later, is required. A restricted-use license of WebSphere MQ V7.1 is included at no additional charge.

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.

**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/electronicsupport

Access the IBM Support Portal

http://ibm.com/support

Access the online Service Request tool

http://ibm.com/support/servicerequest

**Security, auditability, and control**

InfoSphere Data Replication for DB2 for z/OS, V10.2.1 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.

**Global Technology Services®**

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

**Ordering information**

Consult your IBM representative.

**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

### Charge metric

<table>
<thead>
<tr>
<th>Program name</th>
<th>Part number/ PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM InfoSphere Data Replication for DB2 for z/OS, V10.2.1</td>
<td>5655-DRP</td>
<td>Basic OTC, per value unit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Basic OTC, per MSU-day TUC</td>
</tr>
<tr>
<td>IBM InfoSphere Data Replication for DB2 for z/OS, V10.2.1 S&amp;S</td>
<td>5655-DRS</td>
<td>Basic ASC, per value unit SW S&amp;S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No charge, decline SW S&amp;S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Per MSU SW S&amp;S registration</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Program number</th>
<th>Program name</th>
<th>Value Unit exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-DRP</td>
<td>IBM InfoSphere Data Replication for DB2 for z/OS, V10.2.1</td>
<td>VUE007</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>MSUs</th>
<th>MSUs</th>
<th>Value Units/MSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>minimum</td>
<td>maximum</td>
<td></td>
</tr>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Tier A</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46</td>
<td>175</td>
</tr>
<tr>
<td>Tier C</td>
<td>176</td>
<td>315</td>
</tr>
<tr>
<td>Tier D</td>
<td>316</td>
<td>+</td>
</tr>
</tbody>
</table>

Value Units for mainframes without MSU ratings:

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Value Units/machine</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP3000 H30</td>
<td>6</td>
</tr>
<tr>
<td>MP3000 H50</td>
<td>8</td>
</tr>
<tr>
<td>MP3000 H70</td>
<td>12</td>
</tr>
<tr>
<td>ESL models</td>
<td>2</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>MSUs</th>
<th>Value Units/MSU</th>
<th>Value Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base 3</td>
<td>1.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Tier A 42</td>
<td>.45</td>
<td>18.90</td>
</tr>
<tr>
<td>Tier B 130</td>
<td>.36</td>
<td>46.80</td>
</tr>
<tr>
<td>Tier C 140</td>
<td>.27</td>
<td>37.80</td>
</tr>
<tr>
<td>Tier D 1,185</td>
<td>.20</td>
<td>237.00</td>
</tr>
<tr>
<td>Total 1,500</td>
<td></td>
<td>343.50</td>
</tr>
</tbody>
</table>

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 Data Replication for DB2 for z/OS, V10.2.1 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

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

Program name: InfoSphere Data Replication for DB2 for z/OS, V10.2.1
Program PID: 5655-DRP

Entitlement identifier Description License option/Pricing metric
S016SJP InfoSphere Data Replication for DB2 for z/OS Basic OTC, per value unit
Trade-up from 5655-IRS
SQL Replication for DB2
Trade-up from 5655-IRS
Replication Server Q
Trade-up from 5655-IRS
SQL and Q Replication for DB2
Trade-up from 5655-DEP
InfoSphere Data Event Publisher
Trade-up from 5655-U96
InfoSphere Change Data Capture for z/OS
Orderable supply ID Description Language Distribution medium
S016SJJ InfoSphere Data Replication for Q and SQL Replication for z/OS Multi 3590 tape
S016SJL InfoSphere Data Replication for DB2 for z/OS WebSphere MQ Multi 3590 tape
S017FB2 InfoSphere Data Replication for Change Data Capture for z/OS Multi 3590 tape

Subscription and Support PID: 5655-DRS

Entitlement identifier Description License option/Pricing metric
S016SJR InfoSphere Data Replication for DB2 for z/OS S&S Basic MSC, per value unit SW S&S
No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID Language Distribution medium
S017SJN Multi Hardcopy publication

Subscription and Support

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

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

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

Single version charging

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

Delivery services - Custom QuickShip Program

This product is eligible for the IBM Custom QuickShip Program.

Custom QuickShip combines flexible configurations with fast delivery. Customers and Business Partners are able to create product configuration of their choice by using a combination or stand-alone selection of hardware, software, and a menu
of additional features, including the option for software preload. The inclusion of feature number 1748 will ensure Custom QuickShip delivery of the complete product configuration or stand-alone order.

The committed response time under Custom QuickShip is six business days from order acceptance by IBM to customer delivery.

**Customized Offerings**

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

All of 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, SystemPac, FunctionPac, and ProductPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO, ServerPac, and SystemPac 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 CFS W will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, visit the Help section on the Shopz web site at


Production of software product orders will begin on the planned general availability date.

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

**Terms and conditions**

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

**Licensing**

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

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures.

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 number

License Information form number: L-GMET-99XSFL

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


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 restriction**

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


**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

**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

**ESAP available**

Yes, to qualified customers.

**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 System z 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® 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.

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 Web site 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

**Prices**

For all local charges, contact your IBM representative.

**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. Offers (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.

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

For more financing information, visit http://www.ibm.com/financing

**Announcement countries**

All European, Middle Eastern and African countries, except Iran, Syria, and Sudan.

**Trademarks**

IBM PureData, Geographically Dispersed Parallel Sysplex and Electronic Service Agent are trademarks of IBM Corporation in the United States, other countries, or both.

InfoSphere, DB2, z/OS, System i, IBM, System z, RACF, DataStage, WebSphere, GDPS, ibm.com, Global Technology Services, S/390, ProductPac, Passport Advantage and AIX are registered trademarks of IBM Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, and service names may be trademarks or service marks of others.

**Terms of use**

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


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

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

**Corrections**

(Corrected on October 29, 2013)
The Ordering information section is revised.

(Corrected on October 11, 2013)
The Ordering information section is revised.