



IBM DB2 Analytics Accelerator Loader for z/OS helps improve application availability

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At a glance

IBM® DB2® Analytics Accelerator Loader for z/OS® , V1.1 (5639-OLA) enables you to quickly load data from DB2 for z/OS , as well as from external sources, into IBM DB2 Analytics Accelerator for z/OS without interrupting access to production objects while reducing CPU consumption and elapsed time.

DB2 Analytics Accelerator Loader, V1.1:

- Reduces cost and time loading external data into DB2 Analytics Accelerator
 - Provides CPU and storage benefits by giving the option to load external data into DB2 Analytics Accelerator directly, without the need to load into DB2 for z/OS . This can eliminate the CPU and storage resources spent loading the data into DB2 for z/OS , when it is not desired.
 - Minimizes the data load process by simultaneously loading data into DB2 Analytics Accelerator and DB2 for z/OS in one step. This can reduce data movement, time, and CPU cost over the existing two-step process.
 - Directs data conversion processing to be executed under an enclave Service Request Block and such processing is authorized to execute on a zIIP specialty engine,¹ which can further reduce the CPU cost associated with data loading into DB2 Analytics Accelerator.
- Improves application availability and reduces costs
 - Offers the ability to load DB2 Analytics Accelerator with consistent DB2 for z/OS data to the current time or to a historical point in time without stopping update activity to the production DB2 for z/OS tables, thus eliminating application downtime
 - Enables you to exploit the efficiency and speed of FlashCopy® by optionally allowing you to create a new FlashCopy consistent image copy of the data being loaded from DB2 for z/OS into DB2 Analytics Accelerator, thereby lowering costs

¹ This information provides only general descriptions of the types and portions of workloads that are eligible for execution on specialty engines (SEs). IBM authorizes customers to use IBM SEs such as zIIPs, zAAPs, and IFLs only to execute the processing of Eligible Workloads of specific programs expressly authorized by IBM as specified in the Authorized Use Table for IBM Machines (AUT) provided at

http://www.ibm.com/systems/support/machine_warranties/machine_code/aut.html

No other workload processing is authorized for execution on an SE. IBM offers SEs at a lower price than General Processors/Central Processors because customers are authorized to use SEs only to process certain types or amounts of workloads as specified by IBM in the AUT.

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

Overview

IBM DB2 Analytics Accelerator Loader for z/OS , V1.1 (5639-OLA) provides enhanced capabilities and options when you are loading data into IBM DB2 for z/OS and IBM DB2 Analytics Accelerator for z/OS . These capabilities give you the flexibility to select the load options that best meet your business needs when populating data into DB2 Analytics Accelerator. Depending on the type of processing, you may experience some of the following:

- Minimized application impact when loading or refreshing DB2 for z/OS data by loading in parallel to both DB2 for z/OS and DB2 Analytics Accelerator
- Reduced overhead and simplification of the process to load data into DB2 Analytics Accelerator, thereby delivering increased savings
- Increased flexibility when performing business analytics by enabling the load of a consistent set of data with a historical point-in-time into DB2 Analytics Accelerator for query consideration
- Enhanced enterprise business analytics on IBM System z® with the ability to load non-DB2 data either directly into DB2 Analytics Accelerator or DB2 for z/OS in a format that is compatible with IBM DB2 load utility
- Potential further reduction in the CPU cost associated with data loading into DB2 Analytics Accelerator as DB2 Analytics Accelerator Loader directs such processing to be executed under an enclave Service Request Block and such processing is authorized to execute on a zIIP specialty engine²
- Use of FlashCopy to increase the speed and efficiency when creating a consistent image copy

² See note 1 above.

Key prerequisites

The product in this announcement will operate on any System z configuration that supports the required hardware and software. Refer to the [Hardware requirements](#) and [Software requirements](#) sections for details.

Planned availability date

December 6, 2013

Description

DB2 Analytics Accelerator Loader for z/OS , V1.1 (5639-OLA) enables you to load operational DB2 for z/OS data into IBM DB2 Analytics Accelerator for z/OS . This minimizes the application impact when loading related tables into DB2 Analytics Accelerator. It also gives you the flexibility to specify a historical point-in-time as of which you want a consistent set of data to be loaded into DB2 Analytics Accelerator to meet your business needs. DB2 Analytics Accelerator Loader will use existing recovery assets to establish this consistent point-in-time data and then load it into DB2 Analytics Accelerator.

With DB2 Analytics Accelerator Loader, you can load data from external sources, including nonmainframe. Sources include data from other DB2 for z/OS systems, VSAM, IMS™ , and nonmainframe data to facilitate enterprise business analytics on System z . When data has been extracted from another source into a format that is compatible with IBM DB2 load utility, it can then be loaded into DB2 for z/OS and

also into DB2 Analytics Accelerator. This type of load operation may be performed in parallel, which may improve availability and reduce system resources, such as CPU.

DB2 Analytics Accelerator Loader also allows the option of loading directly into DB2 Analytics Accelerator, thereby eliminating loading data into DB2 for z/OS . The option of loading non-DB2 data directly into DB2 Analytics Accelerator and not into DB2 for z/OS requires manual user management. This user management includes creating DB2 tables to specify table structure, application-controlled routing of queries to the accelerator, and preventing update activity. A client considering using this feature should use caution and engage IBM for guidance.

DB2 Analytics Accelerator Loader V1.1 exploits the speed and efficiency of FlashCopy by optionally allowing you to create a new FlashCopy consistent image copy of the data being loaded from DB2 for z/OS into DB2 Analytics Accelerator. DB2 Analytics Accelerator Loader uses this consistent copy as input to load the data into DB2 Analytics Accelerator, which eliminates the need to lock the production tables for update during the load.

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

Section 508 of the US Rehabilitation Act

The products in this announcement are capable as of their general availability, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Program number

Program number	VRM	Program name
5639-OLA	1.1.0	IBM DB2 Analytics Accelerator Loader for z/OS
5639-OLB	1.1.0	IBM DB2 Analytics Accelerator Loader for z/OS Subscription and Support

Product identification number

Program PID number	Subscription and Support PID number
5639-OLA	5639-OLB

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).

Publications

The IBM Publications Center portal is at

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

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, free of charge.

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

Title	Order number
IBM DB2 Analytics Accelerator Loader for z/OS, V1.1 (5639-OLA)	
License Information ³	GC19-4164
Program Directory	GI10-8981

³ Included with this publication order number are the Base License Agreements: IBM International Program License Agreement (form Z125-3301) and IBM Agreement for Acquisition of Software Maintenance (form Z125-6011).

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

<http://www.ibm.com/support/docview.wss?uid=swg27020910>

Title	Order number
IBM DB2 Analytics Accelerator Loader for z/OS, V1.1 User's Guide	SC19-4165

Technical information

Specified operating environment

Hardware requirements

The product in this announcement will operate on any System z hardware configuration that supports the required versions of DB2 Analytics Accelerator for z/OS , V3.1, DB2 for z/OS , and z/OS .

For a complete list of hardware requirements for DB2 Analytics Accelerator for z/OS , V3.1, refer to

<http://www-01.ibm.com/support/docview.wss?uid=swg27035960>

Software requirements

Mandatory installation requirements

IBM DB2 Analytics Accelerator Loader for z/OS , V1.1 (5639-OLA) requires:

- One of the following:
 - IBM z/OS , V1.12 (5694-A01), or later
 - IBM z/OS , V2.1 (5650-ZOS), or later
- IBM SMP/E for z/OS , V3.5 (5655-G44), or later

Mandatory operational requirements

IBM DB2 Analytics Accelerator Loader for z/OS , V1.1 (5639-OLA) operates with:

- IBM DB2 V10.1 (5605-DB2)
- IBM DB2 Value Unit Edition, V10.1 (5697-P31)
- IBM DB2 V11.1 (5615-DB2)
- IBM DB2 Value Unit Edition, V11.1 (5697-P43)
- IBM DB2 Analytics Accelerator for z/OS , V3.1 (5697-DAA)
- IBM DB2 Analytics Accelerator for z/OS , V4.1 (5697-DAB)

For post installation customization, FMID HTCZ110 IBM Tools Customizer for z/OS at the latest maintenance level which is delivered in IBM Tools Base, V1.4 (5655-V93), is required.

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

Planning information

Packaging

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

- Basic machine-readable material
- Program Directory
- IBM International Program License Agreement (IPLA)
- IBM Agreement for Acquisition of Software Maintenance (IAASM)

Security, auditability, and control

The announced program uses the security and auditability features of the host operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

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

Ordering information

Ordering z/OS through the Internet

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

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

Charge metric

Program name	PID number	Charge metric
IBM DB2 Analytics Accelerator Loader for z/OS	5639-OLA	Per PVU

Processor Value Unit (PVU)

PVU is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU table by processor value, brand, type, and model number at the website below) and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores. The PVU table can be found at

http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

Licensee can deploy the program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage® Sub-Capacity Licensing Terms (refer to the web page below). If using Full Capacity licensing, Licensee must obtain PVU entitlements sufficient to cover all activated processor cores⁴ in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using Virtualization Capacity licensing, Licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at

http://www.ibm.com/software/lotus/passportadvantage/Counting_Software_licenses_using_specific_virtualization_technologies.html

⁴ An activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

Notes :

- Some programs may require licenses for the program and what is being managed. In that case, the following applies. In addition to the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.
- Some programs may be licensed on a managed basis only. In that case, the following applies. Instead of the entitlements required for the program directly,

licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies. Rather than obtaining entitlements for the activated processor cores available to the program, licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

Basic license

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

Program name: IBM DB2 Analytics Accelerator Loader for z/OS, V1.1
Program PID: 5639-OLA

Entitlement identifier	Description	License option/ Pricing metric
S017B7W	DB2 Analytics Accelerator Loader for z/OS	Basic OTC, Per PVU

Orderable supply ID	Language	Distribution medium
S017B7V	English	3590 Tape cartridge

Subscription and Support PID: 5639-OLB

Entitlement identifier	Description	License option/ Pricing metric
S017B80	DB2 Analytics Accelerator Loader for z/OS S&S	Basic ASC, Per PVU No charge, decline SW S&S

Orderable supply ID	Language	Distribution medium
S017B7Z	English	Hardcopy publication

Customized Offerings

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

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

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

- 3590
- 3592

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

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

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

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

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability.

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.

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

License Information form number

Program name	Program number	License Information
IBM DB2 Analytics Accelerator Loader for z/OS	5639-OLA	GC19-4164

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

There is no charge for this program. Therefore, the "Money Back Guarantee" section of the International Program License Agreement does not apply to this program.

Volume orders (IVO)

No

Passport Advantage applies

No

Software Subscription and Support applies

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

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

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

IBM Operational Support Services -- SoftwareXcel

Yes

System i® Software Maintenance applies

No

Variable charges apply

Yes

Educational allowance available

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

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.

Prices

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

Program name: IBM DB2 Analytics Accelerator Loader for z/OS, V1.1
Program PID: 5639-OLA

Entitlement identifier	Description	License option/ Pricing metric
S017B7W	DB2 Analytics Accelerator Loader for z/OS	Basic OTC, Per PVU
Orderable supply ID	Language	Distribution medium
S017B7V	English	3590 Tape cartridge

Subscription and Support PID: 5639-OLB

Entitlement identifier	Description	License option/ Pricing metric
S017B80	DB2 Analytics Accelerator Loader for z/OS S&S	Basic ASC, Per PVU No charge, decline SW S&S
Orderable supply ID	Language	Distribution medium
S017B7Z	English	Hardcopy publication

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.

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

Reference: LE001

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Note: Shipments will begin after the planned availability date.

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