IBM Optim High Performance Unload for DB2 for Linux, UNIX, and Windows V4.1.2 offers extended offline capabilities to help you reduce risk of business disruption

At a glance

Optim High Performance Unload is a solution for unloading, extracting, and repartitioning data with higher speed and less demand on system resources.

This newest release of Optim High Performance Unload enables you to unload from incremental image copies, in addition to the existing ability to unload from full backup images. This new feature provides the option to get a more current unload file by unloading from the incremental image copy.

Overview

Designed to help maximize performance, ease use, and enhance flexibility, Optim High Performance Unload for DB2® for Linux®, UNIX®, and Windows® (LUW) offers high-speed unload and extract capabilities to move data more quickly and efficiently across enterprise systems. Organizations value Optim High Performance Unload for its ability to help:

- Move large volumes of data with greater speed and accuracy, and with less effort
- Accomplish more processing in less time and adapt to tight or shrinking batch windows
- Promote faster unloads and extracts to enhance the value of new hardware and software
- Eliminate the need for intermediate storage during database migrations
- Recover a single table or tablespace from backup for restoration
- As a new feature with Optim High Performance Unload V4.1.2, unload or restore using incremental backup images

Optim High Performance Unload provides the ability to choose the precise data to move to a target destination by using filters and unloading subsets of data.

To achieve high-speed and low system resources, Optim High Performance Unload reads directly from the tablespace file, rather than utilizing the database engine. To avoid contention with the production database or CPU resources on the production server, Optim High Performance Unload can extract data from full, offline backups, including incremental backups.
Optim High Performance Unload streamlines processes with capabilities for creating multiple output formats during a single unload process. For example, choose output to files, pipes, or other devices and support multiple output formats, including XML, delimited and undelimited ASCII, and DSNTIAUL -- all within a single unload process. To conserve on storage space, Optim High Performance Unload provides the capabilities needed to move data directly from one database to another, including unloading, transferring, and loading data between a source and target without requiring intermediate storage. This allows for more efficient data transfer, particularly when migrating data from one system to another.

With backup and recovery operations focusing on media failure or disaster recovery, sometimes accidental errors like a single table drop can create a real problem. Using Optim High Performance Unload, database administrators (DBAs) can unload a single table from a database backup and enable fast recovery. With Optim High Performance Unload V4.1.2, incremental copies can now be utilized in addition to the full image copies. These capabilities offer the data management team more flexibility in responding to a variety of outages.

**Key prerequisites**

Refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

November 20, 2009, electronic software delivery

December 11, 2009, media and documentation

**Description**

**Accessibility by people with disabilities**

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via the IBM® Web site


**Product positioning**

Optim High Performance Unload helps the DBA work with very large quantities of data with less effort and with faster results. With more applications requiring timely data access, processing through large volumes of data can increase costs for servicing these requests. Similarly, processes for extracting and moving large volumes of data become more complex and time consuming, making it difficult to complete unload processing in allocated batch windows.

To avoid negative consequences, unloads must often run concurrently in the production environment. Consequently, the method used to extract and move data can have a critical impact on the efficiency and uptime of the application and directly impact your ability to satisfy service level agreements (SLAs). Optim High Performance Unload is designed to reduce the elapsed and CPU time of unloading DB2 data, alleviating the impact unloads can have on the production system. Adding to the greater efficiency is the ability to choose the precise data to move to the target destination, further lowering the demand on system resources.

To further lower the impact on system resources, Optim High Performance Unload provides the ability to unload from backup images. With Optim High Performance Unload V4.1.2, unloading from backup images also includes incremental backup images, to provide a more current unload of the production database. By facilitating...
unloads from the backup images, the DBA can more easily recover an accidentally dropped table.

Upgrading systems and consolidating database instances are common practices to derive the most value from your application environment. With Optim High Performance Unload, simplified, faster upgrades and consolidations help support organizations' efforts to minimize the risk of business disruption.

### Program number

<table>
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<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
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<tr>
<td>5724-B90</td>
<td>4.1.2</td>
<td>IBM Optim High Performance Unload for DB2 for Linux, UNIX, and Windows</td>
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### Education support

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

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

Contact your IBM representative for course information.

### Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

http://www.ibm.com/software/passportadvantage

### Publications

No hardcopy publications are shipped with this product.

In addition to the online information that is shipped with Optim Database Administrator, product information is also available in the Integrated Data Management Information Center. This information center provides integrated information about the IBM Data Studio suite of products and the IBM Optim solutions, including Optim Database Administrator.

Visit the Integrated Data Management Information Center Web site at

http://publib.boulder.ibm.com/infocenter/idm/v2r2/index.jsp

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 U.S.) 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.

**Technical information**

### Specified operating environment

**Hardware requirements**
The hardware minimum resources required for Optim High PerformanceUnload are:

- 128 MB of RAM
- 300 MB of disk space

**Software requirements**

#### Windows/UNIX:
- Microsoft® Windows XP Professional 32 and 64 bit
- Microsoft Windows Vista Business, Enterprise and Ultimate Editions 32 and 64 bit
- Microsoft Windows Server 2003 Standard, Enterprise and Data Center 32 and 64 bit
- Microsoft Windows Server 2008 Standard, Enterprise and Data Center 32 and 64 bit
- Windows Server 2008 Standard R2, Enterprise R2 and Data Center R2 32 and 64 bit
- AIX® 5.2 32 and 64 bit
- AIX 5.3 32 and 64 bit
- AIX 6.1
- HP-UX 11I v2 IA64
- Solaris SPARC 8 64 bit
- Solaris SPARC 9 64 bit
- Solaris SPARC 10 64 bit

#### Linux x86:
- Red Hat Enterprise Linux AS/ES 5.0 x86 32 and x86 64 bit
- SUSE Linux Enterprise Server 10.0 x86 32 and x86 64 bit
- SUSE Linux Enterprise Server 11.0 x86 32 and x86 64 bit

#### Linux on System p®:
- Red Hat Enterprise Linux AS/ES 5.0 32 and 64 bit
- SUSE Linux Enterprise Server 9.0 32 and 64 bit
- SUSE Linux Enterprise Server 10.0 32 and 64 bit
- SUSE Linux Enterprise Server 11.0 32 and 64 bit

#### Linux on System z®:
- Red Hat Enterprise Linux AS/ES 5.0 for IBM System z
- SUSE Linux Enterprise Server 10.0 for IBM System z
- SUSE Linux Enterprise Server 11.0 for IBM System z

The following data servers are supported with Optim High Performance Unload:

- DB2 for Linux, UNIX, and Windows V8.2
- DB2 for Linux, UNIX, and Windows V9.1
• DB2 for Linux, UNIX, and Windows V9.5
• DB2 for Linux, UNIX, and Windows V9.7

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

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

Packaging

The physical deliverable for Optim High Performance Unload V4.1.2 consists of a media pack that includes the following DVD:

Optim High Performance Unload for DB2 for Linux, UNIX, and Windows DVD (1)

Security, auditability, and control

IBM Optim High Performance Unload for LUW uses the security and auditability features of the host hardware and 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

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit


This product is only available via Passport Advantage. It is not available as shrinkwrap.

<table>
<thead>
<tr>
<th>Licensed function title</th>
<th>Product group</th>
<th>Product category</th>
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<tbody>
<tr>
<td>IBM Optim High Performance Unload for MP</td>
<td>IBM Database 2™</td>
<td>DB2 Tools</td>
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**Charge metrics definitions**

**Processor Value Unit (PVU)**

Processor Value Unit (PVU) is a unit of measure by which this software product can be licensed. PVU entitlements are based on processor technology (defined within the PVU table\(^1\) by processor vendor, brand, type, and model number). IBM continues to define a processor, for purposes of PVU-based licensing, to be each processor core on a chip. Each software product has a unique price per PVU. To determine the total cost of deploying an individual software product in a specific hardware environment, you must take the following steps:

1. For each processor core in the hardware environment on which the software product is to be licensed, determine the PVU requirement based on its processor technology per the PVU table\(^1\).
2. Add the PVU requirements for all processor cores in the hardware environment.
3. Multiply the software product's price per PVU by the total number of PVUs required as determined in step 2 above.

PVU entitlements are specific to a software product and may not be exchanged, interchanged, or aggregated with PVU entitlements of another software product.

Unless you have deployed eligible sub-capacity products according to the sub-capacity\(^1\) terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated\(^2\) physical processor cores in the hardware environment made available to or managed by the software product. This is also referred to as full capacity licensing.

\(^1\) For information regarding PVU and sub-capacity licensing, including the latest PVU table, visit

\(^2\) Activated processor cores are physical processor cores that are available for use in a server. They include processor cores:
   - That are activated (available for use) when the server is shipped by the manufacturer
   - That are activated subsequently through activation codes purchased from the server manufacturer by the customer
   - Whose capacity can be limited by the customer through Virtualization technologies, operating system commands, and BIOS settings.

**Passport Advantage program licenses**

**IBM Optim High Performance Unload for LUW**

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<th>Part description</th>
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Cross-platform product for use on System z Integrated Facility for Linux (IFL) engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z Integrated Facility for Linux (IFL) engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

**Optim High Performance Unload for Multiplatforms**

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**Passport Advantage supply**

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**Passport Advantage customer: Media pack entitlement details**

**Optim High Perf Unld for MP V4.1.2**

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<th>Media packs description</th>
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**On/Off CoD**

**IBM Optim High Performance Unload**

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<tr>
<td>Optim High Performance Unload Processor Day Per Use-Day OOCoD</td>
<td>D615VLL</td>
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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.

Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

**License Information form number**

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<td>5724-B90</td>
<td>L-DNAA-7VA2BB</td>
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The program's License Information will be available for review on the IBM Software License Agreement Web site


**Limited warranty applies**

Yes

**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. Consult the IBM Software Support Handbook for further information 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 technical support**

Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Software Maintenance is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Maintenance also provides you with access to updates, releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

**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
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- For programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.
- For programs acquired under any of IBM's On/Off CoD software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

**Authorization for use on home/portable computer**

The program may be stored on the primary machine and another machine, provided that the program is not in active use on both machines at the same time. You may not copy and use this program on another computer without paying additional license fees.

**Product name**

IBM Optim High Performance Unload for LUW

**Volume orders (IVO)**

No

**Passport Advantage applies**

Yes, and through the Passport Advantage Web site at

http://www.ibm.com/software/passportadvantage

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**Usage restriction**

Yes.

Charges for this program are based on the total number of processor cores from which the data being processed by the program originates, including any processor cores available to the database servers on which the data originally resides, and the processor cores available to the database servers to which the program is licensed.

The following terms and conditions apply with the use of this program when unloading data from DB2 with High Availability/Failover licensing:

- For DB2 Hot Standby servers, you must obtain the appropriate value unit entitlements for the program for the number of processor cores attached or available to the DB2 Hot Standby servers.
- For DB2 Idle Standby servers, you must license the program for 100 Value Units per DB2 Idle Standby server only, regardless of the number of processors attached or available to the DB2 Idle Standby server.
- There are no charges for the program for DB2 Cold Standby servers.

For additional information, refer to the License Information document that is available on the IBM Software License Agreement Web site


**Software Subscription and Support (Software Maintenance)**

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and
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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage Web site at

http://www.ibm.com/software/passportadvantage

**System i Software Maintenance applies**

No

**Educational allowance available**

Education allowance does not apply.

Education software allowance does not apply.

Special education prices are available for qualified customers through Passport Advantage.

**On/Off CoD**

To be eligible for On/Off CoD pricing, customers must be enabled for temporary capacity on the corresponding hardware, and the required contract - Z125-6907, Amendment for iSeries® and pSeries® Temporary Capacity On Demand - Software - must be signed prior to use.

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http://www.ibm.com/software/passportadvantage

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https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller/em ea/channelannouncement

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All European, Middle Eastern, and African countries except:

- Iran
- Sudan
- Syria

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