IBM Optim Performance Manager for DB2 for Linux, UNIX, and Windows helps resolve emergent performance problems before they impact the business

At a glance

Optim™ Performance Manager for DB2® for Linux®, UNIX®, and Windows® boasts a whole new architecture that includes modern browser-based user interfaces which provide system health overviews and detailed diagnostics to isolate the source of emergent problems.

- New browser-based user interface for easier accessibility and simplified deployment.
- New performance overview displays pinpoint problem areas more quickly.
- New diagnostic dashboards for faster problem determination and analysis.
- Integration with Optim product family helps support faster problem resolution.

Optim Performance Manager Extended Edition expands upon the capabilities of Optim Performance Manager by offering:

- Database response time monitoring supporting Java™ applications, DB2 Call Level Interface (CLI) applications, WebSphere® Application Server, SAP, Cognos®, InfoSphere™ DataStage™, and InfoSphere Warehouse tasks
- New administration and management tooling for customers that also own the DB2 workload management (WLM) feature
- Integration with Tivoli® Composite Application Manager (ITCAM) to provide a consolidated view of the business transactions across the enterprise while providing comprehensive detail to help diagnose database-specific areas

Overview

Optim Performance Manager for DB2 for Linux, UNIX, and Windows, formally known as DB2 Performance Expert, helps organizations resolve emergent database problems before they impact the business. This new release boasts a whole new architecture that includes browser-based user interfaces. Optim Performance Manager Extended Edition for DB2 for Linux, UNIX, and Windows, formerly known as DB2 Performance Expert Extended Insight, supports organizations' efforts to meet service level agreements (SLAs) by providing insight into where database workloads, transactions, and SQL requests are spending their time.

Optim Performance Manager for DB2 for Linux, UNIX, and Windows makes problem isolation and analysis available anywhere, anytime and faster than ever.
The new browser-based interface includes performance overview displays with associated health indicators to help detect problems in the overall environment more quickly. Intelligent diagnostic dashboards provide relevant metrics that focus in on a particular problem area and provide details to help determine root cause. Integration to Optim Query Tuner helps to more quickly resolve performance problems related to the application SQL.

Optim Performance Manager Extended Edition expands upon the capabilities of Optim Performance Manager by monitoring the end-to-end database transaction to isolate response time problems quicker and support efforts to meet SLAs. In addition to supporting Java applications, Optim Performance Manager Extended Edition V4.1 now also supports DB2 call level interface (CLI) applications and provides predefined application views for WebSphere Application Server, SAP, Cognos, InfoSphere DataStage, and InfoSphere Warehouse's SQL Warehousing Tool tasks.

New in Optim Performance Manager Extended Edition is administrative and management tooling for DB2 workload management (WLM). This new tooling provides the ability to proactively administer, manage, and monitor the workload in context to their workload management settings.

Integration between Optim Performance Manager Extended Edition and Tivoli Composite Application Manager provides a consolidated view of the business transactions across the enterprise while providing comprehensive detail to help diagnose database-specific areas.

**Key prerequisites**

Refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

April 9, 2010, electronic availability

May 7, 2010, media availability

Refer to the complete letter for national language availability.

**Description**

This new release of Optim Performance Manager enables faster deployment by utilizing a single process to handle both the installation and configuration of all components. Predefined system templates with default settings allow notifications to occur immediately after deployment for a quicker up-and-running experience.

- Highly accessible monitoring with new browser-based user interface
  - New browser-based interface for access from anywhere
  - The DB2 Performance Expert client will also be included for easy transition
- Ability to deploy more quickly with consolidated installation
  - No need to use separate configuration tools
  - No need for client installation if using new browser-based interface
  - Predefined system templates with default threshold settings

The new browser-based interface makes problem isolation and analysis available anywhere, anytime and faster than ever. The performance overview displays include enterprise-wide health indicators for monitored databases to more quickly detect problems in your overall environment. The active in-flight dashboards help detect problems more quickly within a specific database. Intelligent diagnostics displays provide relevant database, application, network, or operating systems metrics that
focus in on a particular problem area and provide details to help determine root cause.

- Immediately pinpoint the problem area with performance overview displays
  - Health Summary
  - Alert Overview
  - Overview Dashboard
- Utilize focused analysis using drill-down dashboards
  - Memory
  - Active SQL
  - I/O
  - Locking
  - Logging
  - Utilities
  - Workload
- Manage partitioned databases more easily
  - Top Partition Analysis

Integration with the Optim family of products supports a user’s efforts to quickly resolve problems. Integration with Optim Query Tuner passes problematic SQL statements directly into a query tuning session so the query can be analyzed, tuned, and redeployed into production.

New user privileges have been added to Optim Performance Manager to define what each user is allowed to access in the product. This gives users greater accessibility to the Optim dashboards without compromising the configuration. Optim Performance Manager V4.1 lets you control separately who can configure performance metric collection and alert thresholds and who can view which performance metrics. You can allow for greater accessibility to monitoring data by controlling privileges:

- Control which users are allowed to configure monitoring
- Control which users are allowed to configure alerting (per database)
- Control which users are allowed to see monitoring data (per database)

Optim Performance Manager Extended Edition monitors the end-to-end database transaction to help isolate problems and support an organization's efforts to meet SLAs. In addition to supporting Java applications, Optim Performance Manager Extended Edition V4.1 now also supports DB2 CLI applications. Extended Edition has been extended to provide predefined application views for WebSphere Application Server, SAP, Cognos, DataStage, and InfoSphere Warehouse's SQL Warehousing Tool tasks.

The Extended Edition also provides integration to Optim Development Studio and Optim pureQuery Runtime to enable instant isolation of the SQL statement to Java (or Java framework) source code and facilitates collaboration between the database administrator (DBA) and the developer to resolve the problem. Optim pureQuery Runtime also allows for altering the SQL without altering the application to apply emergency fixes while waiting for final application fixes from the developer or vendor.

New workload management administration and management tooling is now available in Optim Performance Manager Extended Edition for customers that also own the DB2 workload management (WLM) feature. This new tooling provides the ability to define workloads, assign business priorities, and enable aging to give resource priority to important queries that must meet service level objectives. This new tooling coupled with the ability to monitor these workloads supports efforts to establish appropriate concurrent controls.
Integration with Tivoli Composite Application Manager (ITCAM) provides a consolidated view of the business transactions across the enterprise while providing the deep database diagnostics found in Optim Performance Manager Extended Edition to support efforts to resolve response time issues quickly. ITCAM provides a common model and consistent view of the performance of an application. From the transaction view within ITCAM, there will be an integration point that will launch Optim Performance Manager Extended Edition in context. Additional integration will facilitate the ability to view operating statistics from Optim Performance Manager. These integration points allow for both a system-wide enterprise view with deep diagnostics to more fully analyze the database.

**Product positioning**

Optim Performance Manager is designed for those individuals responsible for the overall health and availability of their DB2 for Linux, UNIX, and Windows data servers, typically a DBA or an application owner. Optim Performance Manager watches over your DB2 data servers by gathering performance metrics and determining if any key performance indicators are exceeding acceptable thresholds. By constantly monitoring the system, Optim Performance Manager can help you detect potential performance problems before end users are affected and SLAs are breached.

Optim Performance Manager provides system overview displays for quicker problem identification and detailed diagnostic displays for detailed problem analysis. System overview displays with color-coded user interfaces are designed to quickly draw attention to problematic areas within the database. Once a problem has been identified, specific diagnostic dashboards provide focus on that area and present relevant details to provide a well-rounded analysis of the problem. Once the problem has been identified, integration to additional Optim products helps speed the resolution of the problem.

While Optim Performance Manager is designed to watch over the database system, Optim Performance Manager Extended Edition complements that technology by monitoring database response time as seen by the application. This integrated monitoring system watches over both the database system and the end-user response times to help organizations achieve their SLA goals. To complete this integrated monitoring, Optim Performance Manager Extended Edition also integrates with Tivoli Composite Application Manager to provide enterprise-wide monitoring from Tivoli with the deep diagnostics provided by Optim.

Optim Performance Manager Extended Edition also provides DB2 workload management (WLM) administration and monitoring capability. This provides DB2 customers with proactive performance solutions to help prevent problems from occurring within their environment.

Optim Performance Manager and Optim Performance Manager Extended Edition can help:

- Improve application performance with proactive performance management
- Reduce application downtime or slowdowns by detecting problems before they escalate
- Reduce time required to solve application slowdowns by providing instant problem identification and analysis to help speed resolution
- Improve customer satisfaction by providing systems that respond quickly to customers' business needs
- Improve employee productivity by supporting faster response time on the systems employees use to do their day-to-day jobs
- Augment employees skills with built-in expert advice
### Availability of national languages

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Program number

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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 publications are shipped with these products.

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
IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows
- Temporary space for running the installation program
### Operating system

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- Permanent space in the installation directory for the program files and log files

With WebSphere Application Server install

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- With WebSphere Application Server reuse

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</tr>
<tr>
<td>Windows 64 bit</td>
<td>2450 MB</td>
<td>1 GB</td>
</tr>
</tbody>
</table>

- Permanent space for monitored DB2 instances: The additional disk space for the monitored DB2 databases depends on the type of information that is collected for history data. Additionally, depending on the number of the monitored databases, more RAM is required: Approximately 50 MB random access memory (RAM) for each monitored DB2 database.

### IBM Optim Performance Manager Extended Edition V4.1 for DB2 for Linux, UNIX, and Windows

On the database client machines that are to be monitored, the additional minimum resources required for IBM Optim Performance Manager Extended Edition V4.1 are:

- 128 MB of RAM
- 250 MB of disk space

### Software requirements

The following operating systems are supported for the Optim Performance Manager Server:

- AIX® 5.3 TL06, or 6.1 64 bit
- Solaris SPARC 10 64 bit
- Red Hat Enterprise Linux 4.0 Update 4 AS/ES x86-64 bit
- Red Hat Enterprise Linux 4.0 Update 4 AS/ES for IBM System z
- Red Hat Enterprise Linux 5.0 AS/ES x86-64 bit
- Red Hat Enterprise Linux 5.0 AS/ES for IBM POWER®
- Red Hat Enterprise Linux 5.0 AS/ES for IBM System z
• SUSE Linux 10.0 (SP1) Enterprise Server x86-64 bit
• SUSE Linux 10.0 (SP1) Enterprise Server for IBM POWER
• SUSE Linux 10.0 (SP1) Enterprise Server for IBM System z
• SUSE Linux 11.0 Enterprise Server x86-64 bit
• SUSE Linux 11.0 Enterprise Server for IBM POWER
• SUSE Linux 11.0 Enterprise Server for IBM System z
• Windows XP 32 and 64 bit (SP2)
• Windows Vista Business Edition 32 and 64 bit
• Windows Vista Enterprise Edition 32 and 64 bit
• Windows Vista Ultimate Edition 32 and 64 bit
• Windows Server 2003 (SP1) Datacenter 32 and 64 bit
• Windows Server 2003 (SP1) Enterprise 32 and 64 bit
• Windows Server 2003 (SP1) Standard 32 and 64 bit
• Windows Server 2008 Datacenter 32 and 64 bit
• Windows Server 2008 Enterprise 32 and 64 bit
• Windows Server 2008 Standard 32 and 64 bit
• Windows Server 2008 R2 Datacenter 64 bit
• Windows Server 2008 R2 Enterprise 64 bit
• Windows Server 2008 R2 Standard 64 bit
• Windows 7 Professional and Ultimate Edition 32 and 64 bit

The following data servers are supported for the Optim Performance Manager Server:

• DB2 Enterprise Server Edition 9.1
• DB2 Enterprise Server Edition 9.5
• DB2 Enterprise Server Edition 9.7

The following application servers are supported for the Optim Performance Manager Server:

• WebSphere Application Server base V7.0.0.5, or later.
• WebSphere Application Server base V7.0.0.3 is also supported if preinstalled.

The following Web browsers are supported for the Optim Performance Manager Web user interface:

• Windows Internet Explorer 7.0
• Windows Internet Explorer 8.0
• Firefox 3.0.x

The following data servers can be monitored by Optim Performance Manager:

• DB2 Enterprise Server Edition 9.1
• DB2 Enterprise Server Edition 9.5
• DB2 Enterprise Server Edition 9.7
• DB2 Workgroup Server Edition 9.1
• DB2 Workgroup Server Edition 9.5
• DB2 Workgroup Server Edition 9.7

Optim Performance Manager Extended Edition provides additional monitoring information for the following:

• DB2 Call Level Interface 9.7.1, or later
• WebSphere Application Server 6.1.0.21, or later, with APAR number PK74962
• WebSphere Application Server 7.0.0.1, or later, with APAR number PK74962
• Cognos 8.4 FP2, or later
• SAP Kernel V7.0 SR3, or later
• InfoSphere Warehouse 9.7.1 SQL Warehousing Tool (SQW)
• Information Server 8.5

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**

A restricted use license of DB2 Enterprise Server Edition V9.5 is included for use with the Optim Performance Management Server component, and a restricted use license of IBM Data Server Client V9.5 is included for use with the DB2 Performance Expert Client component. See license text for usage restrictions.

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


**Planning information**

**Customer responsibilities**

Charges for this program are based on the number of Value Units that apply to the processor cores available to the DB2 database servers monitored by the program. The total number of monitored DB2 processor cores may not exceed the number authorized by the applicable Value Unit Proof of Entitlements. See the License Information document for additional details.

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**

**IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows**

IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Content Manager Edition Media Pack Multilingual

• IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Quick Start -- CD
• IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Quick Start Guide -- Paper
• IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Content Manager Edition - Activation Kit -- DVD
- IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Server - for AIX and Solaris -- DVD
- IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Server - for Windows -- DVD
- IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Server - for Linux -- DVD
- IBM DB2 Performance Expert Client V4.1 - for Linux on System x, and Windows -- DVD
- DB2 Enterprise Server Edition Restricted use Activation -- CD
- DB2 Enterprise Server Edition V9.5 for Windows on 32-bit AMD and Intel® systems (x86) -- DVD
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- IBM Optim Performance Manager V4.1 for DB2 for Linux, UNIX, and Windows, Enterprise Edition - Activation Kit -- DVD
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• Data Server Client V9.5 for Linux on AMD64 and Intel EM64T systems (x64) -- DVD

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• IBM Optim Performance Manager Extended Insight V4.1 Multiplatform, Quick Start -- CD
• IBM Optim Performance Manager Extended Insight V4.1 Quick Start Guide -- Paper
• IBM Optim Performance Manager Extended Insight V4.1 for DB2 for Linux, UNIX, and Windows Client for AIX, Solaris, HP-UX, Windows, and Linux -- DVD
• IBM Optim Performance Manager Extended Insight V4.1 License Activation Kit for AIX, Solaris, Windows, and Linux -- DVD
• IBM Optim Performance Manager Extended Insight V4.1 Plugin for Tivoli Enterprise Portal -- DVD
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  – Data Server Client V9.5 for Linux on 32-bit AMD and Intel systems (x86) -- DVD
  – Data Server Client V9.5 for Linux on AMD64 and Intel EM64T systems (x64) -- DVD

Security, auditability, and control

IBM Optim Performance Manager and IBM Optim Performance Manager Extended Edition 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.

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.

**Product information**

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<th>Licensed function title</th>
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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 table¹ 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-capacity² terms, you must obtain PVU Proof of Entitlements (PoEs) for the maximum number of activated² 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 http://www.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

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.

**Server**

Server is the unit of measure by which this program is licensed. A server is a computer system that executes requested procedures, commands, or applications to one or more user or client devices. A Proof of Entitlement (PoE) must be obtained for each server regardless of the number of processor cores or partitions in the server on which the program runs or each server managed by the program. Where blade technology is employed, each blade is considered a separate server.

**Passport Advantage program licenses**

**IBM Optim Performance Manager Extended Edition for DB2 LUW**

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**IBM Optim Performance Manager for DB2 for LUW**

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Passport Advantage Trade-up licenses

IBM Optim Performance Manager Extended Edition for DB2 LUW

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Passport Advantage supply

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Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.
### 5724-Y94 - IBM Optim Performance Manager for DB2 for LUW V4.1.0

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### 5724-Y94 IBM Optim Performance Manager for DB2 for LUW V4.1.0

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### Cross-platform products

**Cross-platform product for use on System z**

Order the part numbers that follow when the product is used for either the development of code that will be deployed on System z servers or when the
product will be communicating or transferring data between a distributed server and a System z server. Otherwise, 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.

Cross-platform product for use on System z IFL engines

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z 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.

IBM Optim Performance Manager Extended Ed for DB2 LUW

<table>
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IBM Optim Performance Manager for DB2 for LUW

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IBM Optim Performance Manager for DB2 for LUW

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IBM Optim Performance Manager for DB2 for LUW

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Trade-up licenses for cross-platform products

IBM Optim Performance Manager Extended Edition for DB2 LUW

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On/Off CoD

Optim Performance Manager Extended Edition for DB2 for Linux, UNIX, and Windows

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Optim Performance Manager for DB2 for Linux, UNIX, and Windows

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Optim Performance Manager for DB2 for Linux, UNIX, and Windows

Workgroup Edition

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

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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

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.

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For clarification, note that 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 the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.
- For clarification, note that 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.
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Product name

IBM Optim Perf Manager Extended Ed for DB2 LUW  No
IBM Optim Performance Manager for DB2 for LUW  No

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

System i Software Maintenance applies
No

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Education software allowance does not apply.
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Prices

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Passport Advantage

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