IBM Usage and Accounting Manager V7.1 helps enable broad adoption of virtualization and server consolidation

Description ................................................. 2
Product positioning ................................. 3
Offering Information ................................. 4
Publications .................................................. 4
Technical information ................................. 4
Ordering information ................................. 6
Terms and conditions ................................. 7
IBM Electronic Services ............................. 8
Prices .......................................................... 8
Order now ..................................................... 9

At a glance

IBM Usage and Accounting Manager V7.1 will:

- Collect and report on usage data from an IBM System p server
- Report the utilization associated with many computing resources
- Help you manage and control IT usage
- Help you create an IT usage reporting process

For ordering, contact:

Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

800-IBM-CALL Reference: YE001

Overview

IBM Usage and Accounting Manager Virtualization Edition for System p™ V7.1 (UAV) is a powerful usage management tool designed to provide usage-based reports for System p servers. It helps businesses determine their System p server usage with features designed to accurately measure, analyze, and report system utilization. It is a platform management product, especially of value to IT shops employing System p servers to run virtualized or consolidated workloads.

The usage data collected from a System p server is organized and presented as reporting information that helps you track usage of a System p server. The information reports how much resource (for example, CPU minutes, disk storage, I/O, and so on) has been used by each user and application for a specific System p server — especially valuable information for systems that are shared by departments, services, and so on.

UAV collectors provide rich System p resource usage data. It offers data collectors for AIX® (including support for AIX Advanced Accounting), Red Hat Linux™, and SUSE Linux operating systems. Through the Advanced Accounting feature, you can collect usage data for Workload Partitions and the Virtual I/O Server.


As background, IBM Tivoli Usage and Accounting Manager Enterprise Edition V7.1 is a powerful cost management tool designed to provide usage-based accounting and charging for IT system resources. It helps businesses determine their IT infrastructure costs with features designed to accurately measure, analyze, report, and bill the utilization and costs of computing resources such as servers, storage, networks,
databases, messaging, and many other shared services. It is a cross-platform product, especially of value to IT shops with multi-platform heterogeneous environments.

The usage data collected is organized and restructured as reporting information that helps you track and allocate resources. Chargeback, resource accounting, and shared services billing features are included.

Key prerequisites

- Reporting database (one of the following):
  - Microsoft® SQL Server 2000 or 2005
  - Oracle 9 or 10
  - DB2® 8.1, or later
- Windows® IIS is required for full-featured Web reporting
- A non-Windows, reduced feature set of reporting tools is offered
- BIRT Version 2.1.2/IES 3.2

Planned availability date

November 30, 2007

Description

Usage and Accounting Manager Virtualization Edition for System p V7.1 (UAV) is a resource accounting product that enables you to track, manage, and allocate, and bill for IT resources. UAV assists with:

- Usage-based reporting for System p servers
- IT usage allocation and analysis on virtualized and consolidated and shared System p servers
- Application usage on System p servers
- System p resource utilization and capacity reporting
- Easy reporting through a Web interface

UAV consolidates different types of usage metering data into an integrated reporting structure. UAV can then generate reports and summary files that show resource consumption by each user and application specific for a System p server. This information is presented in Web, print, or file formats for easy availability.

UAV V7.1 collectors are the data collection agents that provide the usage data. Collectors are available for multiple System p operating systems platforms and different releases and are designed to consume minimal CPU and storage resources.

UAV V7.1 collectors are targeted to support AIX (including support for AIX Advanced Accounting), Red Hat Linux, and SUSE Linux operating systems.

The IBM Usage and Accounting Manager — Virtualization Edition for System p product will contain Administration Server, the central component, consisting of the following:

- UAV Console, a Web-based administrator tool that plugs directly into the standard IBM ISC framework.
- UAV Engine, which consists of many components, including a batch processing facility called Job Runner that launches and controls the underlying processes that convert raw usage data into usable UAV information. UAV engine also contains the main rules engine processing components and other data transformation tools.
- Limited Business Intelligence and Reporting Tools (BIRT), which provides reporting directly from the database (DB2 or Oracle). The customer should download and install the prerequisite BIRT and database of choice prior to UAV installation. The customer is able to export the data from the reporting engine to PDF or Excel output files for further analysis.
The following collectors are available:

- AIX or Linux File System
- AIX or Linux Operating System (pacct)
- AIX Advanced Accounting including support for WPAR, VIOS, and other Advanced Accounting features

**Product positioning**

IBM Usage and Accounting Manager Virtualization Edition for System p V7.1 (UAV) is positioned for customers (CFOs, CIOs, CTOs, IT Platform Directors, Financial Analysts, and Asset Managers) that are:

- Adopting virtualization to control IT complexity and growth
- Sharing IT resources across multiple departments and processes
- Seeking to provide reports to business units or departments for their share of system use
- Needing to understand the usage of shared IT resources to:
  - Make better informed IT decisions (for example, purchase versus outsource, hardware acquisition)
  - Track system utilization and report to departments for their use
  - Track, identify, and control IT usage to lower total usage

UAV allows them to:

- Link IT usage to business value
- Understand true IT usage, resulting in better IT decisions
- Accurately report IT resource usage across functions and departments

UAV provides detailed information about:

- Who is using which System p server
- What is the true usage of these resources, including shared usage
- How IT usage should be allocated and reported

Additional information: All offers are subject to availability. IBM reserves the right to alter product offerings and specifications at any time without notice. IBM is not responsible for photographic or typographic errors.

IBM makes no representation or warranty regarding third-party products or services.

**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).

BP Attachment for Announcement Letter 207-270


**Trademarks**

System p is a trademark of International Business Machines Corporation in the United States or other countries or both.

AIX, Tivoli, and DB2 are registered trademarks of International Business Machines Corporation in the United States or other countries or both.
Offering Information

Product information is available via the Offering Information Web site

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

Publications

IBM Usage and Accounting Manager Virtualization Edition for System p™ V7.1 (UAV) documentation is included on the product media.

Technical information

Hardware requirements: The following hardware is recommended for the UAV V7.1 database server and Web reporting server:

- IBM System p
- IBM BladeCenter®
- 2 GB of free memory for both servers
- 80 GB hard disk drive space for database server
- 30 GB hard disk drive space for Web reporting server

Software requirements: UAV V7.1 has server, client, and collector components. The following table identifies the platforms supported by each component.

<table>
<thead>
<tr>
<th>Platform</th>
<th>Server</th>
<th>Client</th>
<th>Component Reporting</th>
<th>Collector</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX(R) 5.2</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>AIX 5.3</td>
<td>Yes</td>
<td>Yes</td>
<td>BI RT only</td>
<td>Yes</td>
</tr>
<tr>
<td>AIX 6.1</td>
<td>Yes</td>
<td>Yes</td>
<td>BI RT only</td>
<td>Yes</td>
</tr>
<tr>
<td>RHEL 3.0 for Power PC(R)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>RHEL 4.0 for Power PC</td>
<td>No</td>
<td>No</td>
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<td>No</td>
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<td>RHEL 5.0 for Power PC</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>SLES 9 for</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table notes

1. Server denotes the Application Engine, Web Reporting, and the UAV Administrator.
2. Client denotes the UAV Administrator only.
3. Collector denotes the UAV resource usage collection process.
4. Yes means that the server, Web reporting, and Application Engine will run under that platform.
5. For all client and collector columns, Yes means that the product component will support that platform.

For reporting, the server component supports the following databases:

- DB/2 V8.1, V8.2, and V9.x (Windows®, UNIX®, Linux™)
- Microsoft® SQL Server 2000 and SQL Server 2005
- Oracle 9i, Oracle 9i v2, and Oracle 10 (Windows, UNIX)

Report generation requires that you have Crystal Reports or Microsoft Reporting Services. UAV reports are from the chosen database using Crystal Reports or Microsoft Reporting Services as the underlying reporting engine and Microsoft IIS as the Web server.

Limitations: The license for UAV V7.1 limits data import to the UNIX, Linux, and collector platforms listed in the Software requirements section.

For additional information, refer to usage restrictions in the Terms and conditions section of this announcement, or to the License Information document that is available on the IBM Software License Agreement Web site


Security, auditability, and control

IBM Usage and Accounting Manager 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.

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 unmatched portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support any critical business need.

Accelerate the success of your IBM software solution: IBM Software Services for Tivoli® offers deep technical and business expertise. Consulting services include planning and architecture, customization, best practices, integration, skills transfer, service offerings, custom on-site training workshops, and premium support. Our services can help you achieve business results faster and gain efficiencies by doing more with less, increasing efficiencies within existing resources, while reducing project risk. Rely on our worldwide experience and unlock the power of a comprehensive set of business process expertise, deep technical skills and a proven suite of services solutions.

For more information about specific service offerings and contacts, visit


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

Charge metric

<table>
<thead>
<tr>
<th>Program name</th>
<th>PID</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Usage and Accounting Manager Virtualization Edition for System p V7.1</td>
<td>5765-UAV</td>
<td>Per server</td>
</tr>
</tbody>
</table>

Server

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 processors and partitions in the server on which the program runs or for each server managed by the program. Where blade technology is employed, each blade is considered a separate server.

For each server on which the IBM Usage and Accounting Manager Virtualization Edition for System p (UAV) will be run, new users of UAV V7.1 should specify machine type 5765, model UAV, and feature number 0001 with quantity of one.

<table>
<thead>
<tr>
<th>Program/feature name</th>
<th>Program/feature number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5765-UAV IBM UAM VE V7.1</td>
<td>0001</td>
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</table>

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

For AAS renewal orders, if maintenance has expired, specify the after license PIDs and features for renewals (5661-UAV for 1 year and 5664-UAV for three year).

<table>
<thead>
<tr>
<th>Feature description</th>
<th>OTC Feature number</th>
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<tbody>
<tr>
<td>5660-UAV IBM SWMA for 1 year Registration/ 1 year Registration</td>
<td>1075</td>
</tr>
<tr>
<td>5661-UAV IBM SWMA for 1 year After License 1 year After License</td>
<td>0288</td>
</tr>
<tr>
<td>5662-UAV IBM SWMA for 3 year Registration (2 year uplift) 3 year registration</td>
<td>0393</td>
</tr>
<tr>
<td>5664-UAV IBM SWMA for 3 year After License 3 year After License</td>
<td>0001</td>
</tr>
</tbody>
</table>

System Program Order (SPO) (5692-A5L): A 5692-A5L, 5692-LOP, or 5692-A6P SPO is mandatory for shipments of program distribution and publications. The individual licensed program orders (for example, 5765-UAV) are for registration and billing purposes only. No shipment occurs under these orders.

Machine-readable materials are only available on CD-ROM. To receive shipment of machine-readable materials under SPO 5692-A5L, 5692-LOP, or 5692-A6P, order the CD-ROM media.

Billing for the media is generated under the SPO. To prevent additional billing expenses, place
only one SPO order per machine.

Select the following SPO feature:

<table>
<thead>
<tr>
<th>Program name</th>
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<th>SPO feature 5692- ASL</th>
<th>SPO feature 5692- A6P</th>
<th>SPO feature 5692- LOP</th>
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<tr>
<td>IBM Usage Accounting Manager Virtualization Edition for System p V7.1</td>
<td>5765- UAV</td>
<td>1482</td>
<td>1482</td>
<td>1482</td>
</tr>
</tbody>
</table>

**Electronic Software Delivery (ESD):** UAV V7.1 is available for electronic download in applicable countries. If you have a current Software Maintenance Agreement (SWMA), you can download software upgrades online without having to wait for an order to be processed or for physical media to arrive. Electronic delivery is available only for upgrades or product refreshes. For more information on the new ESD shipment option, refer to 206-178, dated July 25, 2006.

For more information, visit


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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 (LI) document and PoE govern your use of the program. PoEs are required for all authorized use.

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

**Agreement for Acquisition of Software Maintenance:** The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) agreement applies for maintenance and does not require customer signatures.

**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. Consult the IBM Software Support Guide for further information at


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

**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.

**Authorization for use on home/portable computer:** You may not copy and use this program
on another computer without paying additional license fees.

Other terms

Volume orders (IVO): Yes, contact your IBM representative.

Passport Advantage applies: No

Usage restriction: Yes. Your usage of the program is subject to the following restrictions: You may only use the program to collect and import data from the platforms which are identified in the Software requirements section of the program's documentation. Users of the Virtualization Edition for System p are limited to collection and import of data from the System p platform. In addition, your collection of data is restricted to the use of the packaged Data Collectors that are provided as part of this program. Users are prohibited from using the data collector creation tools to collect data not provided for with the program. Data import/export is not allowed from/to other data warehouses or platforms not listed here-in. You will be unable to edit or view clients and rates. The default rates and clients will be fixed and unchangeable. This will be restricted by using UAV Roles.

Software Maintenance applies: Yes

All distributed software licenses include Software Maintenance (Software Subscription and Technical Support) for a period of 12 months from the date of acquisition, providing a streamlined way to acquire IBM software and assure technical support coverage for all licenses. Extending coverage for a total of three years from date of acquisition may be elected.

While your Software Maintenance is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions; and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your IS technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users,) IBM provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Guide at

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Software Maintenance does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under this agreement.

For more information about the Passport Advantage Agreement, visit the Passport Advantage Web site at

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

IBM Operational Support Services — SoftwareXcel: No

System i™ Software Maintenance applies: No

Variable charges apply: No

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

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.
The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

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

### Prices

For current prices, contact us at 888-Shop-IBM, or visit

http://www-03.ibm.com/systems/p/

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<td>0001</td>
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<tr>
<td>Per server 3 year After License</td>
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Fax: 800-2IBM-FAX (242-6329)
The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.

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