Software Announcement
September 26, 2006

IBM Tivoli Dynamic Workload Broker V1.1 delivers dynamic workload routing and auto-discovery of newly added resources to enterprise scheduling infrastructures

Overview

IBM Tivoli® Dynamic Workload Broker V1.1 has dynamic job brokering to help improve operational efficiencies. With IBM Tivoli Dynamic Workload Broker, you can eliminate the manually intensive process of planning job assignments across multiple, heterogeneous resources by dynamically routing workloads to best available resources.

IBM Tivoli Dynamic Workload Broker also automatically discovers newly added servers to the scheduling infrastructure and incorporates them into the pool of possible job targets. Add IBM Tivoli Dynamic Workload Broker to IBM Tivoli Workload Scheduler to help optimize workloads across your IT infrastructure dynamically.

Key prerequisites

Refer to the **Software requirements** and **Hardware requirements** sections.

Planned availability dates

- October 6, 2006: Electronic software delivery
- October 27, 2006: Media and documentation

At a glance

IBM Tivoli Dynamic Workload Broker V1.1 helps you with:

- Autonomic routing of jobs within the heterogeneous scheduling infrastructure
- Load balancing and policy-based allocations
- Ability to define job priorities to better manage dynamic resource allocations to meet Service Level Agreements (SLAs)
- Automated discovery of resources available for job execution with dynamic scheduling
- Full IBM Enterprise Workload Manager (EWLM) integration to drive job routing based on SLA policies
- Support for WebSphere® environments to schedule J2EE business applications
- Support for high availability clusters to schedule jobs in clustered environments
- Event-based scheduling ability for ad hoc job scheduling

For ordering, contact:
Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

800-IBM-CALL Reference: RE001

Description

IBM Tivoli Dynamic Workload Broker V1.1 can add value to your scheduling environment by routing workloads to best available resources. This helps reduce the labor intensive process of manually planning job assignments across your scheduling infrastructure, boosting IT operational efficiencies.

IBM Tivoli Dynamic Workload Broker V1.1 enables dynamic workload brokering across the enterprise scheduling infrastructure — for both batch and real-time (event-based) schedules. It includes the following features, functions, and capabilities.

Feature/function: Automatic job routing and load balancing

- Capability: Jobs are routed to best available nodes based on resource loads and usage needs.

Feature/function: Policy-based allocations

- Capability: Load policies can be specified to use a given amount of resources based on business requirements and policies, and specific workloads can be prioritized.

Feature/function: Auto-discovery of newly added resources

- Capability: Automatically detects newly added servers, adding them to the pool of possible targets.

Feature/function: Integration with Tivoli Workload Scheduler

- Capability: Extends Tivoli Workload Scheduler batch and real-time (event-based) scheduling capabilities to include dynamic workload routing and load balancing.

Feature/function: Cluster support

- Capability: Ability to schedule workloads in clustered server environments.

Tivoli Dynamic Workload Broker is powered by Eclipse technology. Eclipse is an award-winning, open source platform for the construction of powerful software development tools and rich desktop applications. Leveraging the Eclipse plug-in framework to integrate technology on the desktop saves technology providers time and money by enabling them to focus their efforts on delivering differentiation and value for their offerings. Full details on Eclipse are available at

http://www.eclipse.org

Accessibility by people with disabilities

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

http://www-3.ibm.com/able
/product_accessibility/index.html

Section 508 of the U.S. Rehabilitation Act

IBM Tivoli Dynamic Workload Broker is capable as of October 27, 2006, 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. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via IBM's Web site

http://www-3.ibm.com/able
/product_accessibility/index.html

Product positioning

IBM Tivoli Dynamic Workload Broker is part of the Tivoli Dynamic Workload Automation portfolio which also includes:

- IBM Tivoli Workload Scheduler for z/OS®
- IBM Tivoli Workload Scheduler for Distributed
- IBM Tivoli Workload Scheduler for Applications
- IBM Tivoli Workload Scheduler Load Leveler

IBM Tivoli Dynamic Workload Broker complements and integrates with the above products to allow you to advance IT maturity —by centrally managing dynamic job scheduling and routing, in addition to static scheduling and routing, throughout the enterprise.

Availability of national languages

IBM Tivoli Dynamic Workload Broker is enabled for worldwide availability on the dates shown below.

National language availability dates

Product description	Language	General availability date
IBM Tivoli Dynamic Workload Broker V1.1.0	Multilingual (English International, French, Korean, Chinese-Simplified, Spanish, Portuguese-Brazilian, German, Japanese, Chinese-Traditional, Italian)	October 27, 2006

Trademarks

IBM United States Announcement Supplemental Information

September 26, 2006

Education support

Comprehensive education for IBM Tivoli® products is offered through Worldwide Tivoli Education Delivery Services. A wide range of training options are available, including classes led by instructors, learning on demand, on-site training, and blended learning solutions.

For additional information, visit Web site

http://www-306.ibm.com/software/tivoli /education/

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

The following publications can be ordered from the IBM Publications Center after the dates listed:

Publication title	Order number	Availability date
IBM Tivoli Dynamic Workload Broker Installation and Configuration Guide	SC32-2282	October 6, 2006
IBM Tivoli Dynamic Workload Broker Quick Start Guide	SC32-0166	October 6, 2006
IBM Tivoli Dynamic Workload Broker Release Notes(R)	SC32-2280	October 6, 2006
IBM Tivoli Dynamic Workload Broker User¢s Guide	SC32-2281	October 6, 2006

To order, use the Publications Center or contact your IBM representative.

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 free of charge.

Technical information

Specified operating environment

Hardware requirements

Server (single server install):

- 4 Gb RAM, 45 GB of disk space

Server (multiple server install):

- 2 Gb RAM, 20 GB of disk space

Agent:

- 256 Mb RAM, 120 Mb disk space

Software requirements

IBM Tivoli Dynamic Workload Broker (TDWB) V1.1 supports the following platforms:

Platform	TDWB server	TDWB agent
AIX(R) V5.2	Yes	Yes
AIX V5.3	Yes	Yes
Windows(TM) 2000 Server	Yes	Yes
Windows 2000 Advanced Server	Yes	Yes
Windows Server 2003 Standard	Yes	Yes
Windows Server 2003 Enterprise	Yes	Yes
Windows Server 2003 Enterprise AMD64/EM64T	No	Yes
SLES 8/UnitedLinux (UL) 1.0 for IA32	Yes	Yes
SLES 8/UL 1.0 for S/390(R) and zSeries(R)	Yes	Yes
SLES 8/UL 1.0 for pSeries(R)	Yes	Yes
SLES 9 for IA32	Yes	Yes
SLES 9 for S/390 and zSeries	Yes	Yes
SLES 9 for pSeries	Yes	Yes
RHEL AS+ 3.0 IA32	Yes	Yes
RHEL for S/390 and zSeries 3.0	Yes	Yes
RHEL for pSeries 3.0	Yes	Yes
RHEL 4.0 for IA32	Yes	Yes
RHEL 4.0 -- AMD64	No	Yes
RHEL 4.0 for S/390 and zSeries	Yes	Yes
RHEL 4.0 for pSeries	Yes	Yes

IBM Tivoli Dynamic Workload Broker Web user interface can be accessed by the following browsers:

- Internet Explorer V6.x, or later
- Mozilla V1.7, or later
- Firefox V1.0.7, or later

Planning information

Direct customer support: Direct customer support is provided by IBM Operational Support Services — Support Line. This fee service enhances customers′ productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services — Support Line will help answer questions pertaining to

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.

usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

Packaging

IBM Tivoli Dynamic Workload Broker V1.1 is distributed with:

- International Program License Agreement (Z125-3301)
- media
- Publications (refer to the **Publications** section)

Security, auditability, and control

IBM Tivoli Dynamic Workload Broker uses the security and auditability features of the 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 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.

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

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

To locate an IBM Business Partner, visit:

http://www.ibm.com/software/solutions/isv

IBM Tivoli Enhanced Value-Based Pricing terminology

IBM Tivoli Enhanced Value-Based Pricing: IBM Tivoli software products are priced using IBM Tivoli's Enhanced Value-Based Pricing. The Enhanced Value-Based Pricing system is based upon the IBM Tivoli Environment-Managed Licensing Model, which uses a managed-environment approach — whereby **price is determined by what is managed** rather than the number and type of product components installed.

For example, all servers monitored with IBM Tivoli's monitoring product (IBM Tivoli Monitoring) require entitlements sufficient for those servers. Other IBM Tivoli products may manage clients, client devices, agents, network nodes, users, or other items, and are licensed and priced accordingly.

Unlike typical systems management licensing models that require entitlements of specific software components to specific systems, the IBM Tivoli Environment-Managed Licensing Model provides the customer flexibility to deploy its IBM Tivoli software products within its environment in a manner that can address and respond to the customer's evolving architecture. That is, as the architecture of a customer's environment changes, the customer's implementation of IBM Tivoli software can be altered, as needed, without affecting the customer's license requirements (as long as the customer does not exceed its entitlements to the software).

Under Enhanced Value-Based Pricing, licensing and pricing of server-oriented applications are determined based upon the server's use in the customer's environment. Typically, such applications are licensed and priced in a manner that corresponds to each installed and activated processor of the server managed by the IBM Tivoli application to help correlate price to value while offering a simple solution.

Where a server is physically partitioned, this approach is modified. This partitioning technique is the approach used with systems that have either multiple cards or multiple frames, each of which can be configured independently. For servers capable of physical partitioning (for example, IBM's pSeries Scalable POWERparallel® Systems servers, Sun Ultra servers, and HP Superdome servers), an entitlement is required for each processor in the physical partition being managed by the IBM Tivoli application. For example, assume that a server has 24 processors installed in aggregate. If this server is not partitioned, entitlements are required for all 24 processors. If, however, it is physically partitioned into three partitions each containing eight processors, and Tivoli products were managing only one of the three partitions, then entitlements would be required for the eight processors on the physical partition managed by the IBM Tivoli application.

For servers with virtual or logical partitions, entitlements are required for all installed and activated processors on the server. For each IBM Tivoli application managing a clustered environment, licensing is based on the cumulative number of installed and activated processors on each server in the cluster for each IBM Tivoli application managing the cluster. Where the cluster includes physically partitioned servers, the considerations described above concerning physically partitioned servers apply as well.

Enhanced Value-Based Pricing recognizes the convergence of RISC/UNIX® and Microsoft™ Windows/Intel® technologies, in order to simplify the customer's licensing requirements, and to provide a smoother, more scalable model. Pricing and licensing does not differentiate between non-zSeries server platforms or operating systems. For some products, this platform neutrality extends to zSeries and other host servers as well.

IBM Tivoli Enhanced Value-Based Pricing terminology definitions

Client device or client

A client device is a computer system that requests the execution of a set of commands, procedures, or applications from another computer system that is typically referred to as a server. Multiple client devices may share access to a common server. A client device generally has some processing capability or is programmable to allow a user to do work. Examples include, but are not limited to, notebook computers, desktop computers, desk side computers, technical workstations, appliances, personal digital assistants, automated teller machines, point-of-sale terminals, tills and cash registers, and kiosks.

IBM Integrated Facility for Linux™ (IFL)

This optional facility enables additional processing capacity exclusively for Linux workload, with no effect on the model designation of a zSeries or OS/390® server. Consequently, executing Linux workload on the IFL will not, in most cases, result in any increased IBM software charges for z/OS®, OS/390, VM, VSE, or TPF operating systems/applications. There is, as indicated, a charge associated with the IFL, and there may also be a charge for applications that run on the IFL. The IFL may be dedicated to a single Linux-mode logical partition or it may be shared by multiple Linux-mode logical partitions. Installations should note that the Linux workspace enabled by this facility will not support any of the S/390 traditional operating systems (OS/390, TPF, VSE, or VM). Only Linux applications or Linux operating in conjunction with the Virtual Image Facility™, an environment that operates within a logical partition or in native S/390 mode and provides the capability to create multiple Linux images, is supported by the IBM IFL.

IBM Tivoli Access Manager for e-business registered user

A registered user for IBM Tivoli Access Manager for e-business is any individual, machine, program, or device whose identity is referenced by or recorded in the IBM Tivoli Access Manager for e-business identity schema.

IBM Tivoli Directory Integrator connected system

A connected system is any directory, database, application, or file integrated or merged by IBM Tivoli Directory Integrator.

IBM Tivoli Directory Integrator registered user

A registered user of IBM Tivoli Directory Integrator is: (1) each individual, machine, program, or device whose identity is recorded in a connected system and whose identity can be synchronized by IBM Tivoli Directory Integrator; and (2) each individual, machine, program, or device that can access a connected system that is synchronized by IBM Tivoli Directory Integrator.

IBM Tivoli Identity Manager Agent

An agent is code that enables the IBM Tivoli Identity Manager to communicate with a computer system to manage account definitions on the computer system and/or to receive notification of password changes from the computer system.

IBM Tivoli Identity Manager registered user

A registered user for IBM Tivoli Identity Manager is any individual, machine, program, or device whose identity is recorded in the IBM Tivoli Identity Manager identity store.

Millions of Service Units (MSU)

An MSU is defined as millions of Central Processing Unit (CPU) service units per hour; the measure of capacity used to describe the computing power of the hardware processors on which S/390 or zSeries software runs. Processor MSU values are determined by the hardware vendor, IBM, or Software Compatible Vendors (SCVs).

For more detailed information about PSLC pricing, go to

http://www-1.ibm.com/servers/eserver/zseries /library/refguides/sw_pricing.html

Network node or node

Network nodes include routers, switches, hubs, and bridges that contain a network management agent. A single Network Node may contain any number of interfaces or ports.

Partitions

A server's resources (CPU, memory, I/O, interconnects and buses) may be divided according to the needs of the applications running on the server. This partitioning can be implemented with physical boundaries (Physical Partitions) or logical boundaries (Logical Partitions).

Physical Partitions are defined by a collection of processors dedicated to a workload and can be used with systems that have either multiple cards or multiple frames, each of which can be configured independently. In this method, the partitions are divided along hardware boundaries and processors, and the I/O boards, memory, and interconnects are not shared.

Logical Partitions are defined by software rather than hardware and allocate a pool of processing resources to a collection of workloads. These partitions, while separated by software boundaries, share hardware components and run in one or more physical partitions.

Port

A port is the physical connection between a device and the network.

Processor (per processor charging under full capacity)

In full capacity charging, Proof of Entitlements (PoE) must be acquired for all activated processors (available for use) that are on the server where the program or a component of the program is run.

Notes:

1. IBM defines a physical processor in a computer as a functional unit that interprets and executes instructions. A physical processor consists of at least an instruction control unit and one or more arithmetic and logic units.
2. Multicore technology allows two or more processors (commonly called cores) to be active on a single silicon chip. With multicore technology, IBM considers each core to be a physical processor. For example, in a dual-core chip, there are two physical processors residing on the single silicon chip.
3. In the IBM eServer zSeries IFL environment, each IFL engine is considered a single physical processor.
4. Threading, a technique that makes a single processor seem to perform as two or more, does not affect the count of physical processors.
5. Where blade technology is employed, each blade is considered a separate server and charging is based upon the total number of processors on the blade on which the program is run.
6. When a server is shipped with six processors, but two of them are inactive, four processors are active for the customer.

Managed processor (charging under full capacity in the managed environment)

Charges are based on the active processors on the machines in the computing environment affiliated with the program rather than on the server where the program is run. The managed processors which require PoE are

defined in the **Prices** section of the announcement or in the License Information′s program unique terms.

Notes:

1. IBM defines a physical processor in a computer as a functional unit that interprets and executes instructions. A physical processor consists of at least an instruction control unit and one or more arithmetic and logic units.
2. Multicore technology allows two or more processors (commonly called cores) to be active on a single silicon chip. With multicore technology, IBM considers each core to be a physical processor. For example, in a dual-core chip, there are two physical processors residing on the single silicon chip.
3. The program may not run on some or all of the processors for which PoEs are required for the program′s valuation method.
4. In the IBM eServer zSeries IFL environment, each IFL engine is considered a single physical processor.
5. Threading, a technique that makes a single processor seem to perform as two or more, does not affect the count of physical processors.
6. Where blade technology is employed, each blade is considered a separate server and charging is based upon the total number of processors on the blades with which the program is affiliated.

Server

A server is a computer system that executes requested procedures, commands, or applications to one or more clients and/or other devices over a network. Examples include, but are not limited to, file servers, print servers, mail servers, database servers, application servers, and Web servers.

Standby or backup systems

For programs running or resident on backup machines, IBM defines three types of situations: cold, warm, and hot. In the cold and warm situations, a separate entitlement for the copy on the backup machine is normally not required and typically no additional charge applies. In a hot backup situation, the customer needs to acquire another license or entitlements sufficient for that server. All programs running in backup mode must be solely under the customer′s control, even if they are running at another enterprise′s location.

As a practice, the following are definitions and allowable actions concerning the copy of the program used for backup purposes.

Cold

A copy of the program may reside, for backup purposes, on a machine as long as the program is not started. There is no additional charge for this copy.

Warm

A copy of the program may reside for backup purposes on a machine and is started, but is idling, and is not doing any work of any kind. There is no additional charge for this copy.

Hot

A copy of the program may reside for backup purposes on a machine, is started, and is doing work. The customer must acquire a license or entitlements for this copy and there will generally be an additional charge.

Doing work includes, for example, production, development, program maintenance, and testing. It also could include other activities such as mirroring of transactions, updating of files, synchronization of programs, data or other resources (for example, active linking with another machine, program, database, or other resource, and so on), or any activity or configurations that would allow an active hot switch or other synchronized switch over between programs, databases, or other resources to occur.

In the case of a program or system configuration that is designed to support a high availability environment by using various techniques (for example, duplexing, mirroring of files or transactions, maintaining a “heartbeat”, active linking with another machine, program, database, or other resource, and so on), the program is considered to be doing work in the hot situation and a license or entitlement must be purchased.

Tivoli Management Points

A Tivoli Management Point is a metric used to compute license quantities and is program specific.

Value Units

A Value Unit is a metric used to compute license quantities, is program specific, and is typically only used on products managing zSeries systems.

Product Web Site

A complete list of IBM Tivoli products is available at Web site

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

Licensing Web Site

IBM Tivoli product licensing documents are available at Web site

http://www.ibm.com/software/tivoli/products /licensing.html

Passport Advantage: Through the Passport Advantage Agreement, customers may receive discounted pricing based on their total volume of eligible products, across all IBM brands, acquired worldwide. The volume is measured by determining the total Passport Advantage points value of the applicable acquisitions. Passport Advantage points are only used for calculating the entitled Passport Advantage discount.

To determine the required Tivoli product configuration under Passport Advantage, the Tivoli Enhanced Value-Based Pricing Model applies. The customer′s environment is evaluated on a per-product basis.

Use the following two-step process to determine the total Passport Advantage points value:

1. Analyze the customer environment to determine the number of Tivoli Management Points or other charge unit for a product. The quantity of each product′s part numbers to be ordered is determined by that analysis.
2. Order the Passport Advantage part numbers. A Passport Advantage point value, which is the same worldwide for a specific part number regardless of where the order is placed, is assigned to each Tivoli product part number. The Passport Advantage point value for the applicable part number multiplied by the quantity for that part number will determine the Passport Advantage points for that Tivoli product part

number. The sum of these Passport Advantage points determines the Passport Advantage point value of the applicable Tivoli product authorizations which then may be aggregated with the point value of other applicable Passport Advantage product acquisitions to determine the total Passport Advantage points value.

The discounted pricing available through Passport Advantage is expressed in the form of Suggested Volume Prices (SVPs), which vary depending on the SVP level. Each SVP level is assigned a minimum total Passport Advantage point value, which must be achieved, in order to qualify for that SVP level.

Media packs and documentation packs do not carry Passport Advantage points and are not eligible for SVP discounting.

For additional information on Passport Advantage, refer to the following Web site

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

The following Passport Advantage part number categories may be orderable:

- License and Software Maintenance 12 Months — this is the product authorization with maintenance to the first anniversary date.
- Annual Software Maintenance Renewal — this is the maintenance renewal for one anniversary that applies when a customer renews their existing coverage period prior to the anniversary date at which it expires.
- Software Maintenance Reinstatement 12 Months — this is for customers who have allowed their Software Maintenance to expire, and later wish to reinstate their Software Maintenance.
- Media packs — these are the physical media, such as CD-ROMs, that deliver the product′s code.
- Documentation packs — these contain printed documentation such as the User′s Guide and Release Notes.
- Custom Build Registration —this is used with products that have an IBM zSeries component. Ordering this part number results in a process to enable the customer to receive the zSeries code via the z/OS Customized Offerings packaging techniques, that is, ServerPac, SystemPac®, or the Custom Build Product Delivery Option (CBPDO).

Pricing examples

IBM Tivoli Dynamic Workload Broker

The IBM Tivoli Dynamic Workload Broker is licensed by the managed processor. The customer must obtain processor value unit entitlements associated with the following number of processors:

Pricing example

The following customer network (referred to as the core environment) applies to all of the examples to enable the reader to see where products tend to manage something less than the entire environment. The customer′s overall core environment includes:

- Distributed Servers
- 20 uniprocessors
- 65 2-way servers
- 12 4-way servers
- One 8-way server
- One 12-way server with 2 virtual or logical partitions
- One 14-way server
- One 16-way Sun Ultra server with 2 8-way physical partitions (only one of which is managed by Tivoli applications)
- One 24-way server
- One z800 server with two uniprocessor IFLs running Linux (also known as, “zLinux” or “Linux on zSeries”)

Note: zLinux or Linux on zSeries offerings may not be available for all Tivoli products. This licensing example assumes such availability. Linux on zSeries offerings have distinctly orderable part numbers in Passport Advantage, and should be used when ordering entitlements for IFLs running Linux.

The customer desires to schedule work on its 14-way distributed server and its 24-way distributed server. The servers include on instance of Oracle (on the 14-way distributed server), one SAP (on the 24-way distributed server). Thus, the customer must obtain processor value unit entitlements associated with the following number of processors, for its distributed environment:

Systems managed	Quantity in customer environment	Processor to be licensed
14-way	1	14
24-way	1	24
Total Processors to to be Licensed		38

Ordering information

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

Product information

Licensed function title	Product group	Product category
IBM Tivoli Dynamic Workload Broker	Configurations and Operations	Tivoli Previous C & O Offerings

Program name	PID number	Charge unit description
IBM Tivoli Dynamic Workload Broker	5724-N93	Value Unit
IBM Tivoli Dynamic Workload Broker	5724-N93	Value Unit

Charge metrics definitions

Value Unit

A Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurement is a processor core. However, for select programs, there are other designated measurements such as users, client devices, and messages. The number of Value Unit entitlements required for your specific implementation of the given program must be obtained from a conversion table associated with the program. You must obtain a PoE

for the appropriate number of Value Unit entitlements for your implementation. The Value Unit entitlements of a given program cannot be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

Processor (Value Unit)

A processor (commonly called a CPU or core) is a functional unit within a computing device that interprets and executes instructions. A processor consists of at least an instruction control unit and one or more arithmetic and/or logic unit. With multi-core technology, each core is considered a processor. Not all processors require the same number of Value Unit entitlements. To determine the number of Value Unit entitlements required, refer to the processor value unit conversion table on the Passport Advantage Web site

http://www-142.ibm.com/software/sw-lotus/services/cwepassport.nsf/wdocs/pvu_licensing_for_customers

With full capacity licensing, a PoE must be acquired for the appropriate number of value units based on all activated processors on the server available to the program or a component of the program.

Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed below are entitled to receive the corresponding media pack.

Tivoli Dynamic Workload Broker V1.1.0

Entitled maintenance offerings description	Media packs description	Part number
IBM Tivoli Dynamic Workload Broker Value Units	IBM Tivoli Dynamic Workload Broker V1.1.0 Media Pack CD ROM Multilingual	BJ0ITML
IBM Tivoli Dynamic Workload Broker for Linux z Value Units	IBM Tivoli Dynamic Workload Broker V1.1.0 Media Pack CD ROM Multilingual	BJ0ITML

New licensees: Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage: Passport Advantage allows you to have a common anniversary date for Software Maintenance renewals, which can simplify management and budgeting for eligible new versions and releases (and related technical support) for your covered products. The anniversary date, established at the start of your Passport Advantage Agreement, will remain unchanged while your Passport Advantage Agreement remains in effect. New software purchases will initially include twelve full months of maintenance coverage. Maintenance in the second year (the first year of renewal) can be prorated to be coterminous with your common anniversary date. Thereafter, all software maintenance will renew at the common anniversary date and include twelve full months of maintenance.

Refer to the IBM International Passport Advantage Agreement and to the IBM Software Maintenance Handbook for specific terms relating to, and a more complete description of, technical support provided through Software Maintenance.

The quantity to be specified for the Passport Advantage part numbers in the following table is per number of required Value Units. To order for Passport Advantage, specify the desired part number and quantity.

Passport Advantage program licenses

IBM Tivoli Dynamic Workload Broker

Part description	Part number
Tivoli Dynamic Workload Broker VU License & SW Maint 12 Mos	D59J4LL
Tivoli Dynamic Workload Broker VU SW Maint Annual Renewal	E030JLL
Tivoli Dynamic Workload Broker VU SW Maint Reinstatement 12 Mos	D59J5LL

To order a media pack for Passport Advantage, specify the part number in the desired quantity from the following table:

Description	Part number
IBM Tivoli Dynamic Workload Broker V1.1 Multilingual, CD Media Pack	BJ0ITML

IBM Tivoli Dynamic Workload Broker is also available via Web download from Passport Advantage.

Cross-platform product for use on zSeries: Order the part numbers that follow when there is an intention to acquire this cross-platform product for deployment on the zSeries/S/390 platform. This set of part numbers provides the identical supply and authorization as the other set in this announcement. The distinction is to identify the planned deployment platform.

Program name/description	Part number
Tivoli Dynamic Workload Broker VU Linux on z SW Maint Annual Renewal	E0311LL
Tivoli Dynamic Workload Broker VU Linux on z SW Maint Reinstatement 12 Mos	D59K6LL
Tivoli Dynamic Workload Broker VU for Linux on z License & SW Maint 12 Mos	D59K5LL

Terms and conditions

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

Licensing: IBM International Program License Agreement and License Information document. PoE 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.

License Information form number

Program name	Program number	Form number
IBM Tivoli Dynamic Workload Broker	5724-N93	Electronic

On or near the planned availability date, the License Information will be available for review on the IBM Software License Agreement Web site

http://www.ibm.com/software/sla/sladb.nsf

Limited warranty applies: Yes

Warranty: This program includes a warranty for one year from acquisition from IBM or an authorized IBM Business Partner. For one year from acquisition of the program, this warranty provides the customer with access to databases containing program information and FAQs, including any known fixes to defects, which the customer can download or otherwise obtain and install.

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