



IBM Tivoli Workload Scheduler V8.5.1 provides graphical flow interface from Web, and brings dynamic scheduling inside Tivoli Workload Scheduler

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At a glance

With Tivoli® Workload Scheduler V8.5.1:

- Enterprise scheduling becomes part of the daily business, and analytical over long term trends, capacity decisions, and management constraints in the domain of workload automation
- Graphical views allow a much more intuitive handling of scheduling objects, with less distraction errors
- Dynamic scheduling opens new spaces for companies trying to grasp the benefits of virtualization

The features provided in IBM® Tivoli Workload Scheduler V8.5.1, when combined with the Workload Service Assurance published in IBM Tivoli Workload Scheduler V8.5, can help you deliver service with stringent service level agreements (SLAs) on unattended workflow inside virtualized infrastructure, with a robust solution.

For ordering, contact your IBM representative or an IBM Business Partner. For more information, contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: YE001

Overview

IBM Tivoli Workload Scheduler V8.5.1 provides robust enhancements in the graphical user interface (GUI) and the engine infrastructure levels.

Completing the effort started three years ago, the Tivoli Dynamic Workload Console now offers rich visual representations of jobstream objects. A graphical layout depicts jobstreams, job dependency nets, or even entire portions of the plan into interactive views that facilitate an intuitive understanding of the definitions and an easy modification which is designed to help you minimize the risk of mistakes.

In addition, at the infrastructure level, all the functions provided by the Tivoli Dynamic Workload Broker are now embedded right into IBM Tivoli Workload Scheduler.

If you want to introduce more flexibility in your infrastructure, you will have the capability to progressively introduce Dynamic Scheduling in your environment with IBM Tivoli Workload Scheduler. IBM Tivoli Workload Scheduler V8.5.1 provides several ways to translate a static load into a dynamic load, either through the

existing way of creating workloads on a dynamic infrastructure, or through the use of template agents which will map to defined characteristics in the network.

Key prerequisites

Refer to the [Software requirements](#) and [Hardware requirements](#) sections.

Planned availability date

- December 11, 2009: Electronic
- January 8, 2010: Physical media

Description

IBM Tivoli Workload Scheduler V8.5.1 takes another important step in the consolidation of the product role as the backbone for enterprise scheduling.

IBM Tivoli Workload Scheduler V8.5.1 introduces a new component, the Tivoli Workload Scheduler Agent with Dynamic Scheduling capabilities, that is designed to help bring both resiliency and optimization to the execution of workload. By implementing resource-based scheduling, Dynamic Scheduling Agent provides a simple software high-availability mechanism that can virtually seamlessly integrate into larger high-availability infrastructure.

The same resource-based scheduling provides an automatic optimization mechanism in an effort to help raise the server utilization rate in most every circumstance, extending the simple requirement of average server utilization rate into more advanced fields such as priority pool, automatic provisioning request, and energy consumption optimization in the context of workload automation.

The Tivoli Workload Scheduler Agent with Dynamic Scheduling capability offers a full function executor with the possibility to do variable substitution in the environment variables. Dynamic Scheduling infrastructure has the possibility to keep the script centrally instead of expecting them to be present on the final server machine.

IBM Tivoli Workload Scheduler V8.5.1 provides a robust graphical Web-based graphical user interface (GUI). A graphical layout view is provided for jobstream and job elements, both on the model and on the plan.

In the model part, the graphical panel is tightly integrated into the Workload Editor, with the possibility to quickly switch between graphical and non-graphical views. An additional impact view spanning multiple jobstreams, and a jobstream-based graphical view over large portions of the whole plan complete this feature with possibilities that were never reached before.

The new graphical views enable development and operational teams to work in an integrated way and to grasp complex situation in a very short time. These teams have, at hand, a comprehensive tool that covers virtually all the common usage scenario of overview, drill for explanation, and rapid situation correction.

The new Tivoli Dynamic Workload Console also includes numerous customization points where solutions can be built to help satisfy the most demanding needs. The new features of Tivoli Dynamic Workload Console will help make this a mainstream interface.

In addition to these enhancements, you get product compliance with the FIPS 140-2 standard for US security requirements on cryptographic modules. Compliance with FIPS 140-2 is not mandatory but can be reached through feature activation.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

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

Product positioning

IBM Tivoli Workload Scheduler V8.5.1 is positioned as a modern enterprise scheduler with the needed flexibility designed to help you adapt to your most demanding situations in terms of process complexity and scalability needs. With the possibility to host the complete stack on a single machine, it can be an entry-level product, and offers to the novice user a path to learn and benefit more from the product progressively.

Program number

Program number	VRM	Program name
5698-WSH	8.5.1	Tivoli workload Scheduler

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

<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

No publications are shipped with this program.

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

IBM Tivoli Workload Scheduler V8.5.1 runs on the hardware platforms that support the operating systems listed in the [Software requirements](#) section.

Software requirements

IBM Tivoli Workload Scheduler V8.5.1 is supported on the following operating systems. Refer to the IBM Tivoli Workload Scheduler System Requirements document for a complete list of supported operating systems, software requirements, and hardware requirements.

http://publib.boulder.ibm.com/infocenter/tivihelp/v3r1/index.jsp?toc=/com.ibm.tivoli.itws.doc_8.5.1/toc.xml

IBM operating systems	MDM or BKM	Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN
IBM AIX 5L™ V2						X	
IBM AIX 5L V5.3	X	X	X	X	X	X	X
IBM AIX 5L V6.1	X	X	X	X	X	X	X
IBM System i® (i5/OS®) V5.3, V5.4, V6.1		X(2)					
HP-UX Operating Systems	MDM or BKM	Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN
V11i V1 PA-RISC						X	
V11i V2 Itanium® and PA-RISC	X	X	X	X	X	X	X
V11i V3 Itanium	X	X	X	X	X	X	X
V11i V3 PA-RISC		X	X	X	X		X
Microsoft Windows operating systems	MDM or BKM	Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN
Server 2003: Standard, Enterprise, and Data Center	X	X(3)	X	X	X	X	X
Server 2003: Standard and Enterprise for AMD 64 and EM64T Kernal 64	X	X(3)	X	X	X	X	X
Server 2008: Standard, Enterprise, and Datacenter	X	X(X3)	X	X	X		X
Server 2008: Standard, Enterprise, and Data Center for AMD64 and EM64T Kernal 64	X	X(X3)	X	X	X		X

XP Professional with SP2		X		X		X		
Vista Vista for AMD64 Red Hat Enterprise Linux 3.0 operating systems	MDM or BKM	X		X				
		Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN	
System x (IA32) and eSeries (AMD64 and EM64T) Kernal 32							X	
System p Kernal 64 Red Hat Enterprise Linux 4.0 operating systems	MDM or BKM						X	
		Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN	
System x and eSeries (AMD64 and EM64T) Kernal 32	X	X	X	X	X	X	X	X
System x (AMD64 and EM64T) Kernal 32	X	X	X	X	X	X	X	X
System i Kernal 64	X	X	X	X	X			
System p Kernal 64	X	X	X	X	X	X	X	X
System z Kernal 64 Red Hat Enterprise Linux 5.0 operating systems	MDM or BKM	X	X	X	X	X		X
		Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN	
System x and eSeries (AMD64 and EM64T) Kernal 32	X	X	X	X	X			X
System x (AMD64 and EM64T) Kernal 32	X	X	X	X	X			X
System i Kernal 64	X	X	X	X	X			
System p Kernal 64	X	X	X	X	X			X
System z Kernal 64 Sun Solaris operating systems	MDM or BKM	X	X	X	X	X		X
		Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN	
Version 9	X	X	X	X	X	X	X	X
Version 10	X	X	X	X	X	X	X	X

Version 10 AMD (Opteron) SUSE Linux Enterprise Server 9, 10, and 11 operating systems	MDM or BKM	Agent	CONN	CLI	TDWC (see 1)	JSC (see 1)	ZCONN
System x (IA32) and eSeries (AMD64 and EM64T kernel 32	X	X	X	X	X	X(4)	X
System i, kernel 64	X	X	X	X	X	X(4)	X
System z, kernel 64	X	X	X	X	X		X
System p, kernel 64	X	X	X	X	X	X(4)	X

Notes:

1. The Tivoli Dynamic Workload Console and the Job Scheduling Console are included in this table to aid you in planning.
2. The Tivoli Workload Scheduler z-centric and dynamic capabilities are not supported.
3. Supports the cluster configuration.
4. The Job Scheduling Console is not supported on SUSE Linux® Enterprise Server 11.

IBM Tivoli Workload Scheduler V8.5.1 supports the following Relational Data Base Management System, (RDBMS).

Refer to the IBM Tivoli Workload Scheduler System Requirements document for details on the operating systems and hardware platforms supported by each RDBMS.

- DB2 Universal Database™ for Linux, UNIX®, and Windows® Enterprise Server Edition V9.1
- DB2 Universal Database for Linux, UNIX, and Windows Enterprise Server Edition V9.5
- Oracle Database 10g Release 2 Enterprise Edition
- Oracle Database 11g Release 1 Enterprise Edition
- Informix® 11.50.FC4 for Linux Intel® 64bit

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

Planning information

Packaging

Tivoli Workload Scheduler is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document: L-SCAE-7V4E75
- Quick Start Guide
- CD-ROM
- Publications (refer to the [Publications](#) section)

Security, auditability, and control

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

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

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

IBM Tivoli Enhanced Value-Based Pricing

Tivoli software products are priced using Tivoli's Enhanced Value-Based Pricing. The Enhanced Value-Based Pricing system is based upon the 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 Tivoli's monitoring product (IBM Tivoli Monitoring) require entitlements sufficient for those servers. Other 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 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 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 core of the server managed by the Tivoli application to help correlate price to value while offering a simple solution.

Tivoli products priced by processor value units (PVUs) participate in the Passport Advantage sub-capacity license terms. PVU Sub-capacity licensing lets the customer license an eligible software product for less than the full processor core capacity of a server or group of servers. It provides the licensing granularity needed to leverage various multi-core chip and virtualization technologies. Further information on PVU Sub-capacity licensing can be found on the Passport Advantage licensing website.

<http://www-01.ibm.com/software/lotus/passportadvantage/licensing.html>

Enhanced Value-Based Pricing recognizes the convergence of RISC and UNIX and Microsoft® Windows and Intel technologies, in order to simplify the customer's licensing requirements, and to provide a smoother, more scalable model. Pricing and licensing do not differentiate between non-System z server platforms or operating

systems. For some products, this platform neutrality extends to System z® and other host servers as well.

IBM Tivoli Enhanced Value-Based Pricing terminology

Engine

An engine is also referred to as a central processor (CP) or processor. Engines for traditional workloads are called General Purpose CPs. Engines for Linux workloads are called Integrated Facility for Linux (IFL) engines or Linux-only engines. Engines for Coupling Facility workloads are called Integrated Coupling Facility (ICF) engines.

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 System z or OS/390® server. Consequently, executing Linux workload on the IBM IFL will not, in most cases, result in any increased IBM software charges for z/OS®, OS/390, VM, VSE, or TPF operating systems or 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 S/390 IFL.

Processor Value Unit

The Processor Value Unit (PVU) is a unit of measure by which the program can be licensed. Proofs of Entitlement (PoEs) for PVUs are based on processor technology (defined within the PVU Table by processor vendor, brand, type and model number at

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

IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. Licensee must obtain entitlements sufficient to cover every activated processor core in the environment which is made available to the program. Unless the program is sub-capacity eligible and licensee has deployed the program according to the Passport Advantage Sub-Capacity Licensing Terms, the licensee must obtain entitlements sufficient to cover all activated processor cores in the physical hardware environment.

<http://www.ibm.com/software/lotus/passportadvantage/subcaplicensing.html>

Activated processor cores are processor cores that are available for use in a physical or virtual server. When the program is not licensed and deployed under the Sub-Capacity Licensing Terms, the physical hardware environment includes all processor cores:

- That are activated (available for use) when the server is shipped by the manufacturer or
- That is activated subsequently through activation codes purchased from the server manufacturer by the customer; in each case, regardless of whether the capacity of the processor cores can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.xx

Standby or backup systems

For programs running or resident on backup machines, IBM defines three types of situations: cold, warm and hot. In 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

other licenses or entitlements sufficient for that server. All programs running in backup mode must be solely under the customer's control, even if 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,), the program is considered to be doing work in the hot situation and a license or entitlement must be purchased.

Value Units

A Value Unit (VU) is a unit of measure by which the program can be licensed. Value Unit entitlements are based on the quantity of a specific designated measurement, for example MSUs, users, engines, and tape drives for the given software. licensee must obtain sufficient entitlements for the number of Value Units required for licensee's environment as specified in the specific program terms. The Value Unit entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with other Value Unit entitlements of another program. 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.ibm.com/software/passportadvantage>

Product and licensing Web sites

A complete list of IBM Tivoli products is available at

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

IBM Tivoli product licensing documents are available at

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

Passport Advantage

Through the Passport Advantage Agreement, you 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 IBM Tivoli product configuration under Passport Advantage, the IBM 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 your environment to determine the number of charge units 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 IBM 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 IBM Tivoli product part number. The sum of these Passport Advantage points determines the Passport Advantage point value of the applicable IBM 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

<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 System z component. Ordering this part number results in a process to enable the customer to receive the System z code via the z/OS® Customized Offerings packaging techniques, that is, ServerPac, SystemPac®, or the Custom Build Product Delivery Option (CPBDO).

Pricing examples

The following examples are provided to illustrate the customer's licensing requirements.

References to processor-based licensing do not represent the actual number of entitlements required. Entitlement requirements are Value Unit based, with the exception of IBM Tivoli Storage Manager. Processors referenced in these examples represent the designated measurement on which the required number of Value Unit entitlements will be calculated. The number of Value Units required per processor core will depend on the processor type. For more information, refer to the Value Unit

definition in the IBM Tivoli Enhanced Value-Based Pricing terminology definitions. To determine the number of Value Unit entitlements required per processor core, refer to the Processor Value Unit conversion table on the Passport Advantage Web site

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

References to all other non-processor-based metrics do represent the actual number of entitlements required, unless other designated measurements are referenced or unless otherwise specified.

The following customer network 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 environment includes:

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 uniprocessor cores
- 65 2-way servers
- 12 4-way servers
- One 8-way server
- One 12-way server with two virtual or logical partitions
- One 14-way server
- One 16-way Sun Ultra server with two 8-way physical partitions (only one of which is managed by IBM Tivoli applications)
- One 24-way server
- One z800 server with two uniprocessor IFLs running Linux (also known as Linux on System z)
- Note: Linux on System z offerings may not be available for all Tivoli products. This licensing example assumes such availability. Linux on System z offerings have distinctly orderable part numbers in Passport Advantage, which should be used when ordering entitlements for IFLs running Linux. If pricing products without a Linux on System z offering, you should exclude the z800 server entitlement requirement indicated below.

The customer wants to manage the applicable distributed server environment, which requires Processor Value Unit entitlements associated with the following number of processor cores:

Systems managed	Quantity in customer environment	Processors to be licensed
Uniprocessor core	20	20
2-way	65	130
4-way	12	48
8-way	1	8
12-way (2 logical partitions)	1	12
14-way	1	14
16-way (2 physical partitions, one of which is managed by Tivoli applications)	1	16
24-way	1	24
z800 server with 2 uniprocessor IFLs (requires Linux on System z availability)	1	2
Total processors to be licensed		274

Ordering information

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

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software ValueNet®.

For more information about IBM Software ValueNet, visit

http://www-01.ibm.com/software/lotus/passportadvantage/IBM_SW_ValueNet.html

To locate IBM Business Partners for Software ValueNet in your geography for a specific Software ValueNet portfolio, contact your IBM representative.

Product group: Configurations and Operations

Product category: Tivoli workload Scheduling

Product Identifier Description PID

Tivoli workload scheduler 5698-WSH

Passport Advantage customer: Media pack entitlement details

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

Entitled maintenance offerings
description

Sub ID

5697WKB Tiv wkld Sched Svr Svr	TWKLSCHSB07
5697WKB Tiv wkld Sch Fta Ag Svr	TWKLSCHSB08
Tivoli workload Sched Proc zLinux	TWKLSCHSB09
Tiv workload Scheduler	TWKLSCHTMP
Tivoli wrkld Schedlr Proc	TWKLSCHVALU
Tiv workload Scheduler R/3 TMP	TWKLSCHTMP
Tivoli wrkld Schedlr Proc	TWKLSCHVALU
Tivoli workload Sched VU zLinux	TWKLSCHZB01
Tivoli wrkld Schedlr VU	TWKLSCHZB02

Media packs
description

Part number

Tivoli workload Scheduler V8.5.1 Media pack Multiplatform Multilingual	BJ0TYML
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Entitled maintenance offerings
description

Sub ID

TWS for z/OS Agent PVU	TWKLSCHSB10
TWS for z/OS Agent PVU System z	TWKLSCHSB11

Media packs
description

Part number

IBM Tivoli workload Scheduler for z/OS Agent V8.5.1 Media Pack MP ML	BJ0UJML
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Current licensees

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 Software Maintenance. Software 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 for twelve full months of maintenance.

Refer to the IBM International Passport Advantage Agreement and to the *IBM Software Support 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 required number of Value Units. To order for Passport Advantage, specify the desired part number and quantity.

IBM Tivoli Workload Scheduler V8.5.1 is announcing new license charge options for z-centric light agent for z/OS end-to-end.

Description	Part number
IBM Tivoli workload scheduler for z/OS Agent per PVU Lic + SW S&S 12 Mo	D0C4SLL
IBM Tivoli workload scheduler for z/OS Agent per PVU Annual SW S&S Rnw1	E08D6LL
IBM Tivoli workload scheduler for z/OS Agent per PVU SW S&S Reinstate 12 Mo	D0C4TLL
IBM Tivoli workload scheduler for z/OS Agent per PVU Sys z Lic + SW S&S 12 Mo	D0C4ULL
IBM Tivoli workload scheduler for z/OS Agent per PVU Sys z Annual SW S&S Rnw1	E08D7LL
IBM Tivoli workload scheduler for z/OS Agent per PVU Sys z SW S&S Reinstate 12 Mo	D0C4VLL

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

Description	Part number
Tivoli workload scheduler V8.5.1 Media pack Multiplatform Multilingual	BJ0TYML
IBM Tivoli workload scheduler for z/OS Agent V8.5.1 Media Pack MP ML	BJ0UJML

Tivoli Workload Scheduler V8.5.1 is also available, via Web download, from Passport Advantage.

Subscription and Support

Subscription and Support must be ordered to receive voice technical support via telephone during normal business hours, and future releases and versions, at no additional charge. The capacity of Subscription and Support (for example, Value Units or number of processors) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program product number and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products, via a separately purchased offering, under the terms of the IBM International Agreement for Acquisition of Support Maintenance. This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone during normal business hours.
- Entitles customers to future releases and versions, at no additional charge. Note that the customer is not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by the customer.

Terms and conditions

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