



IBM Tivoli Key Lifecycle Manager V2.0 helps IT organizations better manage the encryption key lifecycle throughout the enterprise by centralizing and strengthening key management processes

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At a glance

The focus of IBM® Tivoli® Key Lifecycle Manager V2.0 is to help you:

- Manage your information risk by providing the capability to manage encryption keys used to secure information, assure information integrity, implement encryption key retention policies, and ease data recovery.
- Manage encryption keys for a wide variety of encryption implementations.
- Provide a key management facility for transparent encryption, supporting IBM tape drives, IBM storage, and encryption end points, which support the Key Management Interoperability Protocol (KMIP) V1.0 standard.

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 Key Lifecycle Manager V2.0 provides an automated solution to centralize and strengthen the encryption and key management process throughout the enterprise, helping minimize the risk of exposure and reduce operational costs.

Tivoli Key Lifecycle Manager offers a simple and robust solution for key storage, key serving, and key lifecycle management for IBM self-encrypting storage devices and non-IBM devices. By enabling effective encryption of sensitive data, Tivoli Key Lifecycle Manager enhances data security and compliance management.

Tivoli Key Lifecycle Manager provides management of the encryption and authentication keys for encrypted storage.

What's new

- Centralized and simplified encryption key management through Tivoli Key Lifecycle Manager's lifecycle of creation, storage, rotation, and protection of encryption keys and key serving through industry standards.
- Access control and partitioning of the key serving functions, including end-to-end authentication of encryption clients and security of exchange of encryption

keys, such that groups of devices have different sets of encryption keys with different administrators. This enables multitenancy or multilayer security of a shared infrastructure using encryption as an enforcement mechanism for access control.

- Support for the new key management standard, Key Management Interoperability Protocol (KMIP), released through OASIS. This new standard enables encryption key management for a wide variety of devices and endpoints.
- Support for IBM self-encrypting storage offerings as well as suppliers of IT components which support KMIP, including a number of supported non-IBM devices announced by business partners such as Emulex, Brocade, and LSI. KMIP support permits you to deploy Tivoli Key Lifecycle Manager without having to worry about being locked into a proprietary key management solution.
- Role-based access control for administrators that allows multiple administrators with different roles and permissions to be defined, helping increase the security of sensitive key management operations and better separation of duties.

Key prerequisites

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

Planned availability date

August 27, 2010: Electronic delivery

September 17, 2010: Media delivery via Passport Advantage® and AAS

Description

IBM Tivoli Key Lifecycle Manager V2.0 provides an automated solution to centralize and strengthen the encryption and key management process throughout the enterprise, helping minimize the risk of exposure and reducing operational costs.

Tivoli Key Lifecycle Manager offers a simple and robust solution for key storage, key serving, and key lifecycle management for IBM self-encrypting storage devices and non-IBM devices. By enabling effective encryption of sensitive data, Tivoli Key Lifecycle Manager enhances data security and compliance management.

IBM Tivoli Key Lifecycle Manager benefits:

- Making the prospect of managing encryption, and the costs associated with encryption, a feasible reality in a standards-based approach to management
- Focusing on helping reduce the complexity of distributed key management from hundreds of pages of documentation into a handful of screen captures
- Helping you manage your information risk by providing the capability to secure information, assure information integrity, implement information retention policies, and ease data recovery through:
 - Providing a platform independent, industry standards-based, and extendable key lifecycle management solution for small, medium, and large enterprise requirements.
 - Simplifying the key lifecycle management process including an intuitive interface that eases key creation, tracking, reporting, and removal.
 - Providing a base that can accommodate all forms of "data at rest" implementations.

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

Section 508 of the U.S. Rehabilitation Act

Tivoli Key Lifecycle Manager is capable as of August 27, 2010, 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 US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested on the following Web site

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

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).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=210-248>

Product positioning

IBM Tivoli Key Lifecycle Manager provides encryption key serving and lifecycle management to help protect sensitive data encrypted using IBM Storage and encryption endpoints which support Key Management Interoperability Protocol (KMIP) V1.0 standard.

Statement of direction

IBM intends to provide a release of Tivoli Key Lifecycle Manager for z/OS® that is planned to further simplify the deployment of Tivoli Key Lifecycle Manager on z/OS. This release of Tivoli Key Lifecycle Manager for z/OS is planned to introduce a key serving only mode and to use z/OS native management facilities to better integrate with customer's z/OS operations. General Availability, for the Tivoli Key Lifecycle Manager for z/OS key serving only option, is planned in 2011. Also, with this announcement, IBM is demonstrating a strong commitment to open standards with Tivoli Key Lifecycle Manager V2.0 and support for the OASIS Key Management Interoperability Protocol (KMIP). IBM intends to support the KMIP protocol in a future release of Tivoli Key Lifecycle Manager for z/OS.

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion.

All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.

Availability of national languages

English

August 27, 2010

Program number

Program number	VRM	Program name
5724-T60	2.0.0	IBM Tivoli Key Lifecycle Manager
5608-A99	2.0.0	Tivoli Key Lifecycle Manager

Product identification number

IBM Tivoli Key Lifecycle Manager V2.0

Program PID number	Maintenance 1 year PID number	Maintenance 1 year after license PID number		
5608-A99	5608-A92	5608-A95		
Program PID number	Maintenance 3 year Reg PID number	Maintenance 3 year after license	Maintenance 3 year renewal PID number	
5608-A99	5608-A93	5608-A94	5608-A96	

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

IBM Tivoli Key Lifecycle Manager V2.0 Quick Start Guide (5724-T60, for Passport Advantage only) will be delivered on a separate publications DVD with the basic machine-readable material. It can also be downloaded from

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/topic/com.ibm.tklm.doc_2.0/welcome.htm

The Quick Start Guide DVD includes the following languages:

- English
- French
- German
- Italian

- Japanese
- Korean
- Spanish
- Simplified Chinese
- Traditional Chinese

The following English publications may be downloaded at general availability from the following Web site. Translated publications will be available within 30 days of general availability from the same Web site.

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

English publications:

- IBM Tivoli Key Lifecycle Manager Quick Start Guide (GI11-8738-01)
- IBM Tivoli Key Lifecycle Manager Installation and Configuration Guide (SC27-2741)

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 Key Lifecycle Manager V2.0 supports the following hardware:

System components	Minimum values*	Recommended values**
System memory (RAM)	4 GB	4 GB
Processor speed	For Linux® and Windows® systems: 3.0 GHz single processor	For Linux and Windows systems: 3.0 GHz dual processors
	For AIX® and Sun Solaris systems: 1.5 GHz (2-way)	For AIX and Sun Solaris systems: 1.5 GHz (4-way)
Disk space free for product and prerequisite products such as DB2® Universal Database	4 GB	5 GB
Disk space free in /tmp or C:\temp	2 GB	2 GB
Disk space free in /home directory for DB2 Universal Database	1.8 GB	2.8 GB

All file systems must be writable.

* Minimum values: These values enable a basic use of Tivoli Key Lifecycle Manager.

** Recommended values: You might need to use larger values that are appropriate for your production environment. The most critical requirements are to provide adequate system memory, and free disk and swap space. Processor speed is less important.

Tivoli Key Lifecycle Manager V2.0 supports the following IBM storage products:

Product name	Machine type	Model
TS1120 Tape Drive	3592	E05
TS1130 Tape Drive	3592	E06/EU6
TS2900 Tape Auto loader	3572	S4H, S4E, S4R, S3H, S3E, S3R
3592 C20 Frame	3592	C20
TS1120 Tape Cntrl	3592	C06, J70
TS3100/3200 Tape Lib	3573	L2U, L4U, LT04, LT05 LTO-4-specific models: S42, S44, E42, E44, F4S, S4S, F4H, S4H
TS3310 Tape Library	3576	L5B, E9U
TS3500 Tape Library	3584	L32, L22, L23, L52, L53
TS3400 Tape Library	3577	L5U
3494 Tape Library	3494	L10, L12, L14, L22
TS3400 Tape Library	3577	L5U
3953 Library Mgr	3953	F05
TS2340 Tape Drive	3580	S43/S4X
TS2240 Tape Drive	3580	H4S/S4E
TS2350 Tape Drive	3580	S53/S5X
TS2250 Tape Drive	3580	H5S/S5E
TS1040 Ultrium Tape Drive	3588	F4A
TS1050 Ultrium Tape Drive	3588	F5A
DS8000 Storage Controller	2107	921, 922, 9A2, 931, 932, 9B2
DS8000 Storage Controller	2421	931, 932, 9B2, 941
DS8000 Storage Controller	2422	931, 932, 9B2, 941
DS8000 Storage Controller	2423	931, 932, 9B2, 941
DS8000 Storage Controller	2424	931, 932, 9B2, 941
DS5020 Storage Controller	1814	20A
DS5100 Storage Controller	1818	51A
DS5300 Storage Controller	1818	53A

Tivoli Key Lifecycle Manager also supports:

- IBM System Storage™ SAN32B-E4 (2498-E32), a standalone appliance fn: 3895 - Encryption Blade

Tivoli Key Lifecycle Manager supports the following non-IBM hardware:

- Quantum i500 and i2000 devices
- Emulex OneCommand Guardian (part number 2Port-02-100) with OneSecure HBAs using a prefix that starts with LPSe12002

Software requirements

IBM Tivoli Key Lifecycle Manager V2.0 supports the following:

- AIX V5.3, 64 bit, Technology Level 9, Service Pack 2, and AIX V6.1 ((Power® 7 servers are not supported; a 64 bit AIX kernel is required for both versions.)
- Red Hat Enterprise Linux AS 4 on x86, 32 bit
- Red Hat Enterprise Linux AS 5, Update 2 on x86, (32 bit and 64 bit in 32-bit mode application)
- SUSE Linux Enterprise Server V9 on x86, 32 bit, V10, Service Pack 2 on x86, (32 bit and 64 bit in 32-bit mode application), and V11 (32 bit and 64 bit in 32-bit mode)
- Sun Server Solaris 9 and 10 (SPARC 64 bit) Note: Tivoli Key Lifecycle Manager runs in a 32-bit JVM.

- Microsoft® Windows Server 2008, (all Intel® and AMD processors in 32-bit mode)
- Microsoft Windows Server 2003 R2, (all Intel and AMD processors in 32-bit mode)
- Microsoft Windows Server 2008 R2 (64 bit for all Intel and AMD processors in 32-bit mode application)

Refer to the Tivoli Key Lifecycle Manager V2 release information for details on runtime environment.

Supported Web browsers

A supported browser is required in order to use Tivoli Key Lifecycle Manager. The following table lists the browser and browser versions that are supported by Tivoli Key Lifecycle Manager:

Browser	Fix pack, patch, and maintenance level requirements	Sun Server Solaris (SPARC)	Windows Server 2003 R2	Windows Server 2008	Windows Server 2008 R2	Red Hat Enterprise Linux	SUSE Linux Enterprise Server
Microsoft Internet Explorer, Version 7.0.x	None		X	X			
Microsoft Internet Explorer, Version 8.0	None		X	X	X		
Firefox, Version 3.0.x (Note: v3.5 or later is not supported.)	None	X	X	X	X	X	X

Systems with no supported browsers

No browser is supported on AIX. You must deploy a remote browser on a separate computer.

Refer to the Tivoli Key Lifecycle Manager Installation and Configuration Guide for additional requirements depending on which operating system is used.

For more information, refer to the IBM Tivoli Key Lifecycle Manager Information Center at

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/topic/com.ibm.tklm.doc_2.0/welcome.htm

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

Planning information

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and technical support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to

entitled software, and technical support provides voice and electronic access to IBM support organizations, worldwide.

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

Packaging

Tivoli Key Lifecycle Manager V2.0 is distributed with:

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

This program, when downloaded from a Web site, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

Tivoli Key Lifecycle Manager V2.0 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 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/>

Licensing metric definitions and pricing examples

Licensing metric definitions

Enterprise

Any legal entity (such as a corporation) and the subsidiaries it owns by more than 50 percent.

Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy or instance of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

Resource

Two terabytes of storage managed by the program.

Resource Value Unit (RVU)

RVU is a unit of measure by which the program can be licensed. RVU Proofs of Entitlement (PoEs) are based on the number of units of a specific resource used or managed by the program. Licensee must obtain sufficient entitlements for the number of RVUs required for licensee's environment for the specific resources as specified in the tables below. RVU entitlements are specific to the program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource. The RVU tables are shown in the product example below.

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 license 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.

Terabyte

Terabyte is a unit of measure by which the program can be licensed. A terabyte is 2 to the 40th power bytes.

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.

Pricing examples

The following examples are provided to illustrate your licensing requirements.

IBM Tivoli Key Lifecycle Manager requires entitlement for each Install and all resources managed (terabytes of storage disk and tape drive storage). In this case, the resources to enter into the volume tiering table to calculate Resource Value Units are the total terabytes of tape drive storage and total terabytes of disk storage being managed by Tivoli Key Lifecycle Manager.

Units to order

Resource Value Units are calculated based upon the following volume tiering table and are rounded up to the next whole number.

Cumulative usage Level	Value Units per Terabyte
1 - 12 Terabyte	1 RVU/Terabyte
13 - 32 Terabyte	0.8455 RVUs/Terabyte
33 - 64 Terabyte	0.6137 RVUs/Terabyte
65 - 100 Terabyte	0.4639 RVUs/Terabyte
101 - 250 Terabyte	0.3870 RVUs/Terabyte
251+ Terabyte	0.3097 RVUs/Terabyte

Products may also have program-specific licensing terms, which are described later in this document. Consult the program-specific licensing terms to determine total licensing requirements for the applicable products.

Distributed pricing scenario for Tivoli Key Lifecycle Manager

Transaction 1

Assume customer ABC is setting up their own IT storage environment for tape drives only. They plan to purchase two installs of Tivoli Key Lifecycle Manager Basic Edition base. Customer ABC will start off with supporting 80 terabytes on tape drives with one of the installs and 60 terabytes on tape drives on the other install. The terabytes are added together to get the total terabytes to charge for and enter into the volume tiering table to get Resource Value Units to order. In this case, 80 terabytes for one install and 60 terabytes for the other install add up to 140 chargeable terabytes.

Resource Value Units required

Total Resource Value Units to order to entitle ABC's environment for the 140 terabytes are determined as follows:

Resource Value Unit metric	Total terabytes (A)	Resource value Units per terabytes (B)	Resource Value Units required (A) x (B)
Tier 1 (1-12 terabytes)	12	1.0000	12.0000
Tier 2 (13-32 terabytes)	20	.8455	16.9100
Tier 3 (33-64 terabytes)	32	.6137	19.6384
Tier 4 (65-100 terabytes)	36	.4639	16.7004
Tier 5 (101-250 terabytes)	40	.3870	15.4800
Tier 6 (251+ terabytes)	-	.3097	0.0000
Total resources	140		
Total RVUs			80.7288
Total Resource value Units to order (rounded up)			81

Customer ABC would order 81 Resource Value Units to entitle their environment for the 140 terabytes managed, and 2 installs.

Transaction 2

In Phase 2, customer ABC looks to increase the terabytes managed on the two installs that they have already entitled. They will add another 120 terabytes on additional tape drives. The new total of terabytes managed in the ABC's environment would be the previous 140 plus 120 incremental for a new total of 260 terabytes.

The new total of Resource Value Units required to entitle their environment would be calculated as follows:

Resource Value Unit metric	Total terabytes (A)	Resource Value Units per terabyte (B)	Resource Value Units required
Tier 1 (1-12 terabytes)	12	1.0000	12.0000
Tier 2 (13-32 terabytes)	20	0.8455	16.9100
Tier 3 (33-64 terabytes)	32	0.6137	19.6384
Tier 4 (65-100 terabytes)	36	0.4639	16.7004
Tier 5 (101-250 terabytes)	150	0.3870	58.0500
Tier 6 (251+ terabytes)	10	0.3097	3.0972
New total terabytes	260		
New total RVUs required			126.3958
Total RVUs required to entitle new environment (rounded up)			127
Previous/existing RVU entitlements from first Transaction			(81)
Total Resource Value Units to order			46

Customer ABC would need to order an additional 46 Resource Value Units to entitle their new total of 260 terabytes. No additional installs are required as the customer ABC has originally set up their environment to handle the incremental resources in Phase 1 when they entitled their environment for the two installs.

Note that the discount for the new storage is greater based on existing RVU entitlement.

Transaction 3

In Phase 3, customer ABC looks to increase the terabytes managed on the two installs that they have already entitled. They will add another 80 terabytes of disk storage. The new total terabytes managed in the ABC's environment would be the previous 260 plus 80 terabytes which equals 340 terabytes .

The new total of Resource Value Units required to entitle their environment would be calculated as follows:

Resource Value Unit metric	Total terabytes (A)	Resource Value Units per terabyte (B)	Resource Value Units required
Tier 1 (1-12 terabytes)	12	1.0000	12.0000
Tier 2 (13-32 terabytes)	20	.8455	16.9100
Tier 3 (33-64 terabytes)	32	.6137	19.6384
Tier 4 (65-100 terabytes)	36	.4639	16.7004
Tier 5 (101-250 terabytes)	150	.3870	58.0500
Tier 6 (251+ terabytes)	90	.3097	27.873
New total terabytes	340		
New total RVUs required			151.1718
Total RVUs required to entitle new environment (rounded up)			152
Previous/existing RVU entitlements from first Transaction			(127)
Total Resource value Units to order			25

Customer ABC would need to order an additional 25 Resource Value Units to entitle their new total of 340 terabytes managed. No additional installs are required as customer ABC originally set up their environment to handle the incremental resources in Phase 1 when they entitled their environment for the two installs.

Ordering information

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

Product group: IBM Tivoli Security
Product: IBM Tivoli Key Lifecycle Manager (5724T60)
Product: IBM Tivoli Key Lifecycle Manager (5608A99) (Distributed non-Passport Advantage)

Product category: Security Event Management

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

Entitled maintenance offerings
description

TKLM Basic Ed Install LIC+SW S&S 12 Mo
TKLM Basic Ed Install Annual SW S&S Rnw1
TKLM Basic Ed Install SW S&S Reinstate 12 Mo

TKLM for Storage Resource VU LIC+SW S&S 12 Mo
TKLM for Storage Resource VU Annual SW S&S Rnw1
TKLM for Storage Resource VU SW S&S Reinstate 12 Mo

Media packs description	Part number
IBM Tivoli Key Lifecycle Manager V1.0 Multilingual, Multiplatform Media Pack	BJOQUML

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 the distributed product in 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 Installs or Resource Value Units. To order for Passport Advantage, specify the desired part number and quantity.

Description	Part number
TKLM Basic Ed per Install LIC+SW S&S 12 Mo	D0887LL
TKLM Basic Ed per Install Annual SW S&S Rnw1	E06JMLL
TKLM Basic Ed per Install SW S&S Reinstate 12 Mo	D0888LL
TKLM for Storage Resource VU LIC+SW S&S 12 Mo	D05EULL
TKLM for Storage Resource VU Annual SW S&S Rnw1	E05HKLL
TKLM for Storage Resource VU SW S&S Reinstate 12 Mo	D05EVLL

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 Key Lifecycle Manager V2.0 Multilingual, Multiplatform Media Pack	BJ0WAML

IBM Tivoli Key Lifecycle Manager V2.0 is also available, via Web download, from Passport Advantage.

Ordering information for 5608-A99 non-Passport Advantage, non-System z offerings:

To order a basic license, specify the program number and the feature number of the desired distribution medium. Also, specify the one-time charge feature number in the quantity desired (maximum quantity of 250).

The quantity to be specified for the features in the following table is (per processor value unit and per resource value unit).

Use the following table to order the program products listed below:

Product number	Product name	Feature number	
		Qty 1	Qty 250
5608-A99	IBM Tiv Key Lifecycle Manager Basic Edition per Install	0001	0002
	IBM Tiv Key Lifecycle Manager for Storage Resource Value Unit	0003	0004
Distribution medium description		Medium feature number	Language
	IBM Tiv Key Lifecycle Mgr Basic Edition	5809	English
	IBM Tiv Key Lifecycle Mgr for Storage	5811	English

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.

IBM Tivoli Key Lifecycle Manager

Description	Maintenance IASP PID 1 Year: (5608-A92)	
	Feature number qty 1	Feature number qty 250
IBM Tiv Key Lifecycle Manager Basic Edition		

Per Install 1yr no charge Registration	0009	0010
Per Install 1yr SW Maintenance Rnw]	0011	0012
IBM Tiv Key Lifecycle Manager		
For Storage		
RVU 1yr no charge Registration	0001	0002
RVU 1yr Renewal	0003	0004
Maintenance IASP PID 1 Year: (5608-A95)		
	Feature	Feature
	number	number
Description	qty 1	qty 250
IBM Tiv Key Lifecycle Manager		
Basic Edition		
Per Install 1yr After License	0005	0006
IBM Tiv Key Lifecycle Manager		
For Storage		
RVU 1yr After License	0003	0004
Maintenance IASP PID 3 Year: (5608-A96)		
	Feature	Feature
	number	number
Description	qty 1	qty 250
IBM Tiv Key Lifecycle Manager		
Basic Edition		
Per Install 3yr Renewal	0005	0006
IBM Tiv Key Lifecycle Manager		
For Storage		
RVU 3yr Renewal	0003	0004
Maintenance IASP PID 3 Year: (5608-A94)		
	Feature	Feature
	number	number
Description	qty 1	qty 250
IBM Tiv Key Lifecycle Manager		
Basic Edition		
Per Install 3yr After License	0005	0006
IBM Tiv Key Lifecycle Manager		
For Storage		
RVU 3yr After License	0003	0004
Maintenance IASP PID 3 Year: (5608-A93)		
	Feature	Feature
	number	number
Description	qty 1	qty 250
IBM Tiv Key Lifecycle Manager		
Basic Edition		
Per Install 3yr Registration	0005	0006
IBM Tiv Key Lifecycle Manager		
For Storage		
RVU 3yr Registration	0003	0004

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- L-LMOZ-85D6S2 (5724-T60)
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Limited warranty

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Corrections

(Corrected on October 29, 2010)

Changes made in the following sections: Overview, Ordering information, Licensing metric definitions.