



IBM Tivoli Provisioning Manager V7.2.1 adds entitlement to IBM Tivoli Endpoint Manager for Lifecycle Management

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At a glance

IBM® Tivoli® Provisioning Manager V7.2.1:

- Entitles you to IBM Tivoli Endpoint Manager for Lifecycle Management
- Provides additional platform support
- Provides ability to leverage IBM Tivoli Netcool® Configuration Manager command set from the Tivoli Provisioning Manager interface

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 Provisioning Manager V7.2.1 is a key operational management product in the IBM Integrated Service Management suite of products. It provides underlying resource provisioning and configuration management functions that can be executed as specific steps in systems management processes.

If you purchased Tivoli Provisioning Manager licenses for server management on a Processor Value Units (PVU) or Resource Value Units (RVU) basis and are current with Software Subscription and Support, you will be entitled to Tivoli Endpoint Manager for Lifecycle Management for use as a supporting program for Tivoli Provisioning Manager up to the level of PVU or RVU entitlements that you have obtained. If you have licensed Tivoli Provisioning Manager for server management under non-PVU or non-RVU licensing metrics, you should determine your level of entitlement in consultation with IBM.

The use of Tivoli Endpoint Manager for Lifecycle Management is applicable to Tivoli Provisioning Manager for server licenses only. If you have Tivoli Provisioning Manager for client licenses, you are not eligible to use Tivoli Endpoint Manager for Lifecycle Management and must purchase Tivoli Endpoint Manager for Lifecycle Management separately.

IBM Tivoli Endpoint Manager, built on BigFix technology, provides real-time visibility and control of server systems through a single infrastructure, single agent, and

single console for systems lifecycle management including asset discovery and inventory, software distribution, patch management, and power management.

IBM Tivoli Provisioning Manager V7.2.1 includes an extension for IBM Tivoli Service Automation Manager and IBM Service Delivery Manager that provides Task Run Book Automation. This new capability includes a graphical drag-and-drop design tool to automate over 1,000 predefined server automation tasks. Run Book Automation, also known as IT Process Automation, provides you with valuable prebuilt solutions that can help reduce infrastructure complexity, speed up time to market, and automate business processes, which help efforts to save time and money.

If you want to expand your network visibility, control, and automation, you can take advantage of Tivoli Provisioning Manager's integration with IBM Tivoli Netcool Configuration Manager. IBM Tivoli Netcool Configuration Manager, purchased separately, allows network administration and operations teams to automate routine network configuration management tasks, helps to enhance network security by controlling access by users, devices, and commands, and maintains the real-time state of the network.

For running the IBM Tivoli Provisioning Manager management server, IBM Tivoli Provisioning Manager V7.2.1 adds the following platforms:

- AIX® V7
- Red Hat Enterprise Linux™ 6.1
- IPv6 Support

Key prerequisites

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

Planned availability date

December 2, 2011: Electronic
December 16, 2011: Physical media

Description

Purpose built for today's distributed enterprise, IBM Tivoli Endpoint Manager technology distributes computing power to the devices themselves, using the intelligent IBM Tivoli Endpoint Manager Agent to provide superior visibility and control. This level of innovation translates into significant advantages in speed, flexibility, and scalability, while helping to reduce the infrastructure and training costs associated with traditional systems and security management.

Accessibility by people with disabilities

A US 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 US Rehabilitation Act

IBM Tivoli Provisioning Manager V7.2.1, when used in accordance with IBM's associated documentation, satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product or products properly interoperates with them. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via IBM's website

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

Product positioning

IBM Tivoli Provisioning Manager manages server lifecycle and software deployment lifecycle by helping to reduce labor costs through automation, higher server utilization, enhancing time to market, and helping improve the success rate of new application deployments and changes.

IBM Tivoli Provisioning Manager is a key member of the operational management suite of products in the service management strategy of IBM. IBM Integrated Service Management helps organizations better manage their IT infrastructure to more effectively and efficiently deliver IT services.

IBM Tivoli Provisioning Manager is positioned as the provisioning engine for integrated solutions that enables self-service provisioning for users, optimizes physical and virtual servers, and helps reduce energy consumption and cost.

Program number

Program number	VRM	Program name
5608-TPM	7.2.1	IBM Tivoli Provisioning Manager

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 website

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

Also, visit the Passport Advantage® website

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

Publications

No publications are shipped with these programs.

Technical information

Specified operating environment

Hardware requirements

Management Server

- Free disk space: 60 GB

- Minimum memory requirement: 8 GB RAM (Windows™ 64-bit systems and UNIX™ and Linux systems)

Managed Server Agent

- Free disk space: approximately 200 MB
- Minimum memory requirement: approximately 60 MB RAM

To find the detailed hardware requirement specifications for Tivoli Provisioning Manager V7.2.1, refer to "Preinstallation tasks" in the Installation Guide in the Tivoli Provisioning Manager V7.2 information center.

http://www-947.ibm.com/support/entry/portal/Documentation/Software/Tivoli/Tivoli_Provisioning_Manager

Software requirements

Management Server supported platforms

Windows

- Microsoft™ Windows Server 2003 Standard x64 Edition SP2, 64-bit AMD64 and EM64T
- Microsoft Windows Server 2003 Enterprise x64 Edition SP2, 64-bit AMD64 and EM64T
- Microsoft Server 2008 Enterprise Edition 64-bit Intel™
- Microsoft Server 2008 Standard Edition 64-bit Intel
- Microsoft Windows 2008 R2 Standard Edition 64-bit Intel
- Microsoft Windows 2008 R2 Enterprise Edition 64-bit Intel

AIX

- AIX 5L™ V5.3 TL8 (System p® 64 bit)
- AIX 5L V6.1 (System p 64 bit)
- AIX 5L V7.1 (System p 64 bit)

Red Hat

- Red Hat Enterprise Linux V4 AS Update 5 (x86 64 bit)
- Red Hat Enterprise Linux V5 AS (x86 64 bit)
- Red Hat Enterprise Linux V5 AS (System z® 64 bit)
- Red Hat Enterprise Linux V6 AS (x86 64 bit)
- Red Hat Enterprise Linux V6 AS (System z 64 bit)

Sun Solaris

- Sun Solaris 10 on SPARC

SUSE Linux Enterprise Server

- SUSE Linux SLES 10.0 Enterprise Edition (x86 64 bit)
- SUSE Linux SLES 10.0 Enterprise Edition (System z 64 bit)
- SUSE Linux SLES 11.0 Enterprise Edition (x86 64 bit)
- SUSE Linux SLES 11.0 Enterprise Edition (System z 64 bit)

To find the latest information about IBM Tivoli Provisioning Manager V7.2.1 supported operating systems for the management server, refer to "Preinstallation tasks" in the Installation Guide in the Tivoli Provisioning Manager V7.2 information center.

Management Server Middleware Server requirements

Database:

- DB2® V9.1.4 or V9.5, V9.7 (Microsoft Windows, AIX, Linux, Solaris)
- **or**
- Oracle Database 10.2.0.1g, 11g, 11gR1, 11gR2, (AIX, Linux, Solaris)

J2EE server:

- WebSphere® Application Server Network Deployment V6.1.0.37 for all platforms

Directory server:

- Tivoli Directory Server V6.3
- Microsoft Active Directory 2003
- Microsoft Active Directory 2008

Administrative workstation:

- Microsoft Windows (for installation, fixes, upgrades only)
- Red Hat Enterprise Linux V5 AS (x86 64 bit)
- SUSE Linux SLES 10.0 Enterprise Edition (x86 64 bit)
- AIX 5L V6.1 (Power® systems 64 bit)

In the case of the above platforms, administrative workstation on Microsoft Windows is supported.

The following products are included with Tivoli Provisioning Manager V7.2.1 with a restricted use license:

- IBM DB2 Universal Database™ Enterprise Server Edition V9.7
- IBM Tivoli Directory Server V6.3
- IBM WebSphere Application Server Network Deployment V6.1.0.37
- IBM Tivoli Provisioning Manager for Operating System Deployment V7.1.1.7

To find the latest information about the detailed specifications for managing server requirements, database environment, application server environment, and directory server environment, refer to "Preinstallation tasks" in the Installation Guide in the Tivoli Provisioning Manager V7.2.1 information center.

Managed Server agent supported platforms

An installable agent is available to aid in the management of the following operating systems. The agents are designed for 32-bit operations and will operate in 32-bit emulation mode on 64-bit architectures.

- Windows 2003 Server Standard Edition SP2 (AMD 64 bit)
- Windows 2003 Server Enterprise Edition SP2 (AMD 64 bit)
- Windows 2003 Server Standard Edition SP2 (x86 32 bit and 64 bit)
- Windows 2003 Server Enterprise Edition SP2 (x86 32 bit and 64 bit)
- Windows 2003 R2 Server Standard Edition SP2 (x86 32 bit and 64 bit)
- Windows 2003 R2 Server Enterprise Edition SP2 (x86 32 bit and 64 bit)
- Windows XP Professional (32 bit and 64 bit)

- Windows Vista Ultimate Edition (32 bit and 64 bit)
- Windows Vista Enterprise Edition (32 bit and 64 bit)
- Windows 2008 Standard edition (32 bit and 64 bit)
- Windows 2008 Enterprise Edition (32 bit and 64 bit)
- Windows 2008 R2 Standard Edition (32 bit and 64 bit)
- Windows 2008 R2 Enterprise Edition (32 bit and 64 bit)
- Windows XP Professional (32 bit and 64 bit)
- Windows Vista Ultimate Edition (32 bit and 64 bit)
- Windows Vista Enterprise Edition (32 bit and 64 bit)
- Windows 7 Enterprise Edition (32 bit and 64 bit)
- Windows 7 Professional (32 bit and 64 bit)
- AIX V5.3 (System i®, System p) (ML3 or later)
- AIX V6.1 (System i, System p)
- AIX V7.1 (System i, System p)
- Solaris 10 (AMD 64)
- Solaris 10 (x86 64)
- Solaris 10 (SPARC)
- Solaris 9 (SPARC)
- HP-UX 11i V2 - PA-RISC
- HP-UX 11i V3 - PA-RISC
- HP-UX 11i V3 - IA64
- Linux RHEL 4 AS (x86 32 bit)
- Linux RHEL 4 AS (System i)
- Linux RHEL 4 AS (System p)
- Linux RHEL 4 AS (AMD 64 bit)
- Linux RHEL 5 x86 32 bit and 64 bit
- Linux RHEL 5 (System z 64 bit)
- Linux RHEL 6 x86 32 bit and 64 bit
- Linux RHEL 6 (System z 64 bit)
- Linux SLES 9 Enterprise Edition SP3 (x86 32 bit and 64 bit)
- Linux SLES 9 Enterprise Edition SP3 (System i)
- Linux SLES 9 Enterprise Edition SP3 (System p)
- Linux SLES 9 Enterprise Edition SP3 (System z 64 bit)
- Linux SLES 9 Enterprise Edition SP3 (AMD 64 bit) 32-bit emulation
- Linux SLES 10.0 Enterprise Edition SP1 or SP2 (x86 32 bit and 64 bit)
- Linux SLES 10.0 Enterprise Edition SP1 or SP2 (System z 64 bit)
- Linux SLES 11.0 Enterprise Edition (x86 32 bit and 64 bit)
- Linux SLES 11.0 Enterprise Edition (System z 64 bit)

For the latest list of supported hardware and application software, refer to the IBM Tivoli Provisioning Manager support site.

http://www-947.ibm.com/support/entry/portal/Documentation/Software/Tivoli/Tivoli_Provisioning_Manager

Software prerequisites

Refer to "Preinstallation tasks" in the Installation Guide in the Tivoli Provisioning Manager V7.2.1 information center.

http://www-947.ibm.com/support/entry/portal/Documentation/Software/Tivoli/Tivoli_Provisioning_Manager

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

Direct customer support

For technical support or assistance, contact your IBM representative or visit

<http://www.ibm.com/support>

Packaging

IBM Tivoli Provisioning Manager V7.2.1 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document L-LBOI-8KFAQU
- Tivoli Provisioning Manager V7.2.1 Quick Start Guide
- CD-ROMs or DVDs

This program, when downloaded from a website, 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

IBM Tivoli Provisioning Manager V7.2.1 uses the security and auditability features of IBM WebSphere Application Server. 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 Provisioning Manager pricing definitions

Client Device

Client Device is a unit of measure by which the program can be licensed. A Client Device is a single user computing device or special purpose sensor or telemetry device that requests the execution of or receives for execution a set of commands, procedures, or applications from or provides data to another computer system that is typically referred to as a server or is otherwise managed by the server. Multiple Client Devices may share access to a common server. A Client Device may have some processing capability or be programmable to allow a user to do work. Examples include, but are not limited to actuators, appliances, automated

teller machines, automatic meter readers, cash registers, disk drives, desktop computers, kiosks, notebook computers, personal digital assistant, point-of-sale terminals, sensors, smart meters, tape drives, and technical workstations. Licensee must obtain entitlements for every Client Device which runs, provides data to, uses services provided by, or otherwise accesses the Program and for every other computer or server on which the program is installed.

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 entitlements for this program sufficient to cover the resources 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 resource table found in the program's announcement or License Information document. 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

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.

IBM Tivoli Provisioning Manager pricing examples

If you purchased Tivoli Provisioning Manager licenses for server management on a Processor Value Units (PVU) or Resource Value Units (RVU) basis and are current with Software Subscription and Support, you will be entitled to Tivoli Endpoint Manager for Lifecycle Management for use as a supporting program for Tivoli Provisioning Manager up to the level of PVU or RVU entitlements that you have obtained. If you have licensed Tivoli Provisioning Manager for server management

under non-PVU or non-RVU licensing metrics, you should determine your level of entitlement in consultation with IBM.

The resource for the purpose of the RVU calculation is Activated Processor Cores managed by the program. An Activated Processor Core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited through virtualization technologies, operating system commands, BIOS settings, or similar restrictions. Licensee can deploy the program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (refer to the webpage below). If using full capacity licensing, each Activated Processor Core in the physical hardware environment managed by the program must be counted, except for those servers from which the program permanently no longer manages. If using virtualization capacity licensing, the Virtualization Capacity License Counting Rules defines how many Activated Processor Cores must be counted.

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

The RVU table for managed cores on RVUs is below:

Tier	From quantity	To quantity	Factor
1	0	2,500	1.00
2	2,501	10,000	0.80
3	10,001	50,000	0.60
4	50,001	150,000	0.40
5	150,001	-	0.20

The RVU table for Client Devices on RVUs is below:

Tier	From quantity	To quantity	Factor
1	0	2,500	1.00
2	2,501	10,000	0.90
3	10,001	25,000	0.80
4	25,001	50,000	0.70
5	50,001	-	0.50

Pricing example 1

Distributed servers

- 20 One Processor, Single Core servers
- 65 One Processor, Dual Core servers
- 12 Two Processor, Dual Core servers
- 10 Two Processor, Quad Core servers
- One Eight Processor, Dual Core server with two virtual or logical partitions
- One Four Processor, Quad Core server

The customer wants to manage the applicable distributed server environment:

Systems managed	Quantity in customer environment	Processor cores to be licensed
One Processor, Single Core	20	20
One Processor, Dual Core	65	130
Two Processors, Dual Core	12	48
Two Processors, Quad Core	10	80
Eight Processors, Dual Core (2 logical partitions)	1	16
Four Processors, Quad Core	1	16
Total processors to be licensed		310

Based on the 310 managed cores, the customer would require 310 RVUs.

Pricing example 2

A customer wishes to license in the following core environment:

- Servers with 45,000 managed cores
- 25,000 Client Devices

The following calculation is used to determine the number of RVUs required to license the 45,000 managed cores in the server environment.

Tier	Quantity of managed cores	RVUs
1	2,500	2,500
2	7,500	6,000
3	35,000	21,000
Total		29,500

The first tier, based on the RVU table, is used to calculate the first 2,500 managed cores at a factor of 1 per core or in the case above 2,500 RVUs (2,500 x 1). The second tier is used to calculate the managed cores from 2,501 to 10,000 at a .8 factor or (7,500 x .8 = 6,000). The third tier is used for those managed cores between 10,001 and 50,000. In the example, 35,000 of the managed cores reside in tier 3 or (35,000 x .6 = 21,000). Adding the RVUs together for each tier, the customer requires 29,500 RVUs to license the 45,000 managed cores.

The following calculation is used to determine the number of RVUs required to license the 25,000 client devices in the environment.

Tier	Quantity of managed cores	RVUs
1	2,500	2,500
2	7,500	6,750
3	15,000	12,000
Total		21,250

The first tier based on the RVU table is used to calculate the first 2,500 client devices at a factor of 1 per core or in the case above 2,500 RVUs (2,500 x 1). The second tier is used to calculate the client devices from 2,501 to 10,000 at a .9 factor or (7,500 x .9 = 6,750). The third tier is used for those client devices between 10,001 and 25,000. In the example, 15,000 of the managed cores reside in tier 3 or (15,000 x .8 = 12,000). Adding the RVUs together for each tier, the customer requires 21,250 RVUs to license the 25,000 client devices.

Ordering information

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

Product group: IBM Tivoli Provisioning
Product: IBM Tivoli Provisioning Manager (5608-TPM)
Product category: Tivoli Provisioning

Passport Advantage customer: Media pack entitlement details

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

IBM Tivoli Provisioning Manager V7.2.1 media pack

SUB IDs	Entitled maintenance offerings description
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THINKPROSB01	Tivoli Provisioning Manager Proc
THINKPROSB02	Tivoli Provisioning Mgr Ntwrk Node
THINKPROSB03	Tivoli Intelligent Orchestratr Proc
THINKPROSB04	Tiv Intelgnt Orchestrator Ntwk Node
THINKPROSB05	Tivoli Proviosning MGR PR for zSer
THINKPROSB07	Tiv Intelligent Orch PR for zSer
THINKPROSB09	Tivoli Provisioning Mgr Client Dev
THINKPROSB16	TPM Per RVU
THINKPROSB17	TPM Per RVU for Linux on sys z
THINKPROSB18	TPM FTL Per RVU
THINKPROSB19	TPM FTL Per RVU for Linux on sys z
THINKPROSB20	TPM for Clients Per RVU
THINKPROSB21	TPM for Clients FTL Per RVU
THINKPROZB01	Tivoli Provisioning Manager 10 VU
THINKPROZB02	Tivoli Proviosning Mgr zSer 10 VU
TINTORCZB01	Tivoli Intelligent Orchestratr VU
TINTORCZB02	Tiv Intelligent Orch for zSer VU

Media pack description	Part number
IBM Tivoli Provisioning Manager V7.2.1 Media Pack MP ML	BJ10AML

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 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 are per Value Unit, per network node, and per client device. To order for Passport Advantage, specify the desired part number and quantity.

The following license part numbers were previously announced for IBM Tivoli Provisioning Manager (5608-TPM):

Part number	Description
E0BI4LL	IBM Tivoli Provisioning Manager Resource Value Unit Annual SW Subscription & Support Renewal
D0I30LL	IBM Tivoli Provisioning Manager Resource Value Unit License + SW Subscription & Support 12 Months
D0I31LL	IBM Tivoli Provisioning Manager Resource Value Unit SW Subscription & Support Reinstatement 12 Months

E0BI5LL	IBM Tivoli Provisioning Manager for zEnterprise BladeCenter® Extension and Linux on System z Resource Value Unit Annual SW Subscription & Support Renewal
D0I32LL	IBM Tivoli Provisioning Manager for zEnterprise BladeCenter Extension and Linux on System z Resource Value Unit License + SW Subscription & Support 12 Months
D0I33LL	IBM Tivoli Provisioning Manager for zEnterprise BladeCenter Extension and Linux on System z Resource Value Unit SW Subscription & Support Reinstatement 12 Months
E0BHZLL	IBM Tivoli Provisioning Manager for Clients Resource Value Unit Annual SW Subscription & Support Renewal
D0I2QLL	IBM Tivoli Provisioning Manager for Clients Resource Value Unit License + SW Subscription & Support 12 Months
D0I2RLL	IBM Tivoli Provisioning Manager for Clients Resource Value Unit SW Subscription & Support Reinstatement 12 Months

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

Media packs description	Part number
IBM Tivoli Provisioning Manager V7.2.1 Media Pack MP ML	BJ10AML

IBM Tivoli Provisioning Manager V7.2.1 is also available via web download from Passport Advantage.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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

Licensing

IBM International Program License Agreement including the License Information document and PoE govern your use of the program. PoEs 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.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Maintenance with the initial license acquisition of each program acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

S/390® and System z IBM Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

IBM Tivoli Provisioning Manager (5608-TPM): L-LBOI-8KFAQU

The program's License Information will be available for review on the IBM Software License Agreement website

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

<http://www.ibm.com/support/handbook>

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

Program technical support

This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Usage restriction

Yes. Usage is limited to the quantity of Value Units, network nodes, and client devices that you have licensed.

Software Subscription and Support applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express®. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

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