



IBM Tivoli Endpoint Manager for Core Protection V10.5 provides comprehensive endpoint protection with integrated anti-malware, personal firewall, and web reputation capabilities

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At a glance

IBM® Tivoli® Endpoint Manager for Core Protection V10.5 provides comprehensive endpoint protection capabilities, all delivered through the highly scalable, single console management infrastructure of IBM Tivoli Endpoint Manager built on BigFix technology.

IBM Tivoli Endpoint Manager for Core Protection features and benefits include:

- Real-time anti-malware protection through file and web reputation, behavior monitoring, and personal firewall
- Integrated protection and extreme scalability using a single console management infrastructure
- Industry-leading IBM and Trend Micro technologies

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 Endpoint Manager for Core Protection V10.5 delivers real-time anti-malware functionality via protection methods such as file and web reputation, personal firewall, and behavior monitoring.

IBM Tivoli Endpoint Manager for Core Protection helps to protect physical and virtual endpoints from damage caused by viruses, Trojan horses, worms, spyware, rootkits, web threats, and their new variants. It can help to reduce business disruptions that can result from endpoint infection, identity theft, data loss, network downtime, lost productivity, and compliance violations.

IBM Tivoli Endpoint Manager for Core Protection cross references threat information with a large, cloud-based database created and managed by Trend Micro and continuously updated via Trend Micro's Smart Protection Network for Microsoft® Windows® endpoints. The solution checks files and web addresses against this database for potential malicious activities in real time, in addition to delivering anti-malware protection to Macintosh and Windows endpoints as needed. IBM Tivoli

Endpoint Manager for Core Protection provides security for both fixed, network-connected endpoints and roaming, Internet-connected endpoints. Constant, agent-based monitoring proves to be an effective way to combat the extreme vulnerability of roaming endpoints. A laptop used in an airport, for example, can receive cloud-based protection from threats lurking on websites it visits or files it receives even though it is not connected to the network.

Safer, smarter protection designed to help reduce risk

One of IBM Tivoli Endpoint Manager for Core Protection's keys to success is its ability to work at multiple levels of threat protection, including stopping threats even before they arrive. IBM Tivoli Endpoint Manager for Core Protection, for example, can scan web addresses, check them against databases of known threats, and block websites if appropriate. Such frontline measures build on other capabilities that protect infrastructure and endpoints against attacks as they occur.

IBM Tivoli Endpoint Manager for Core Protection can be installed in a variety of settings, from smaller organizations up to very large or highly distributed environments, and can be used to remove outdated tools. It is built on the industry-leading Tivoli Endpoint Manager infrastructure, which leverages a multi-layered technology platform that acts as the central nervous system of a global IT infrastructure. A dynamic, content-driven messaging and management system, this innovative technology distributes the work of managing IT infrastructures out to the managed devices themselves. As a result, IBM Tivoli Endpoint Manager is able to operate in real-time and deliver the scalability and performance that organizations demand. Additionally, the single, multipurpose management agent controls multiple services regardless of where the endpoint roams, optimizing the user experience and minimizing system impact.

Key prerequisites

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

Planned availability date

- May 27, 2011: Electronic
- June 17, 2011: Physical media

Description

In today's interconnected, instrumented, and intelligent world, where the complexity of endpoint management and the importance of security are constantly on the rise, IBM Tivoli Endpoint Manager for Core Protection V10.5 delivers up-to-the-minute endpoint visibility and protection. This solution can guard against the full range of malware, using protection methods such as file and web reputation, behavior monitoring, and personal firewall.

Key to the solution's success is its ability to work at multiple levels of threat protection, including stopping threats even before they arrive. IBM Tivoli Endpoint Manager for Core Protection, for example, can scan web addresses in email messages, check them against databases of known threats, and block website access if appropriate. Such front-line measures build on other capabilities that protect infrastructure and endpoints against attacks as they occur. The result is that in recent tests, the combined capabilities of Tivoli Endpoint Manager for Core Protection capture 100 percent of threats, while the next highest scoring competing solution captured only 77 percent. The source for this data is Trend Micro Enterprise Endpoint Comparative Report, AV-Test, dated January 2011, and is available at

<http://us.trendmicro.com/us/trendwatch/core-technologies/competitive-benchmarks/avtest/>

IBM Tivoli Endpoint Manager for Core Protection is built on the industry-leading IBM Tivoli Endpoint Manager infrastructure. In a world accustomed to multiple, fragmented technologies and point solutions, the IBM Tivoli Endpoint Manager family offers an alternative: the industry's only unified management platform that automates and streamlines systems and security management while delivering speed, visibility, and control across heterogeneous operating environments and devices.

Purpose built for today's distributed enterprise, the IBM Tivoli Endpoint Manager unified management platform provides real-time visibility and control through a single infrastructure, single management agent, and unified console for systems lifecycle management and endpoint security and compliance. IBM Tivoli Endpoint Manager is designed to continuously discover, assess, remediate, and enforce the health and security of servers, desktops, and roaming laptops in real time via a single, policy-driven management agent and single console.

Policy Messages

Policy Messages, also known as Fixlet messages, communicate policy information between agents and server environments. Policy Messages can contain logical criteria to trigger specific actions, for example, if vulnerability X exists on this client, update software module Y with the appropriate package. Additionally, you can use the Policy Messages included with IBM Tivoli Endpoint Manager (and delivered through IBM Tivoli Endpoint Manager content delivery service), or customize your own.

Relays

Relays act as communication and aggregation points and staging areas for Policy Messages and patch and remediation content. Relays help reduce network bandwidth requirements and provide an added degree of fault tolerance for the management systems. Relays can be installed on existing hardware, including desktops and multipurpose systems such as file or print servers. No dedicated hardware is required.

Relay capabilities and benefits:

- Provides a virtual infrastructure leveraging existing systems
- Delivers redundancy and lowers network bandwidth requirements
- Is able to serve devices regardless of where they are or the reliability of the network
- Includes cache, stop, and restart downloads of large software packages to maximize network resources
- Includes automatic pairing of endpoints to Relays based on location, operating system, and other customer-defined criteria

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 Endpoint Manager for Core Protection V10.5 satisfies the applicable requirements of Section 508 of the Rehabilitation Act when used in accordance with IBM's associated documentation, provided that any assistive technology with the product or products properly interoperates. 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 Endpoint Manager for Core Protection solution:

- Delivers, from a single console, anti-malware protection using file and web reputation, personal firewall, virtualization awareness, and behavior monitoring.
- Manages both technology and business risk. It protects physical and virtual endpoints from damage caused by malware and other malicious threats, and reduces the business disruptions that can result from attacks on endpoints.

Program number

Program number	VRM	Program name
5725-D25	10.5	IBM Tivoli Endpoint Manager for Core Protection

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 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.

Specified operating environment

Hardware requirements

The hardware requirements for IBM Tivoli Endpoint Manager for Core Protection can vary based on the managed environment and are mainly related to the machine on which the IBM Tivoli Endpoint Manager server, the Smart Protection Server (an optional download available directly from Trend), and the IBM Tivoli Endpoint Manager console will be installed and running.

IBM Tivoli Endpoint Manager server hardware specifications

The values listed below are recommended hardware specifications that provide good performance for similar sized deployments of IBM Tivoli Endpoint Manager. If your deployment will have over 100 IBM Tivoli Endpoint Manager Console Operators, you should consider raising your hardware specifications to the next higher scale to support the large number of users or contact IBM Tivoli Endpoint Manager Technical Support for more help in selecting hardware.

For best performance, use the following recommendations:

Deployment size	CPU	Memory	Hard disks
< 250	2-3 GHz	2 GB	Standard HD
1,000	2-3 GHz - 2 Cores	4 GB	1 RAID Array (RAID 10, 5)
10,000	2-3 GHz - 2-4 Cores	8 GB	1-2 RAID Arrays (RAID 10)
50,000	2-3 GHz - 4 Cores	16 GB	2 RAID Arrays (RAID 10)
100,000	2-3 GHz - 4-8 Cores	16-32 GB	2 RAID Arrays (RAID 10)
> 200,000	2-3+ GHz - 8-16 Cores	32-64 GB	3 RAID Arrays (RAID 10)

Note: RAID arrays must support your using the disk cache for both reading and writing. The disk cache should be set to 50/50 read write.

Disk space requirements

The hard disk configurations listed above are focused on providing high performance disks for the database and IBM Tivoli Endpoint Manager Server. The physical capacity needed for IBM Tivoli Endpoint Manager is generally considered very small. A minimum of 5 GB free disk space is needed by the database, data files, and the file caches to run IBM Tivoli Endpoint Manager. It is recommended that an additional 20 GB to 50 GB of disk space be available for flexibility, when using for administrative tasks such as database backups and to allow for growth.

Multiple RAID arrays normally provide more than enough disk space for IBM Tivoli Endpoint Manager, so capacity concerns are not common.

Network card specifications

The IBM Tivoli Endpoint Manager Server is the central communication hub of an IBM Tivoli Endpoint Manager deployment and should be positioned in a data center with a high-speed network connection.

Server network speed recommendations:

- 10 Mbps network connection is possible but not recommended for performance reasons.
- 100 Mbps network connection, or higher is recommended.
- 1,000 Mbps network connection is recommended if possible.

For deployments over 25,000 seats, consider using teamed network cards or 1 GB connections to provide optimal network throughput for the IBM Tivoli Endpoint Manager Server.

Console hardware specifications

IBM Tivoli Endpoint Manager Consoles are typically installed on personal workstations and Terminal Servers or Citrix Servers.

- Users with high-speed network connections (10 mbps+) to the IBM Tivoli Endpoint Manager Server database can use any computer that meets the requirements below.
- Remote users will typically need to use a Terminal Server or Citrix Server because their network connection is too slow.

The hardware requirements are based on the number of managed computers, which is the number of computers that a IBM Tivoli Endpoint Manager Console Operator will see in their IBM Tivoli Endpoint Manager Console. In most deployments, a IBM Tivoli Endpoint Manager Console Operator will see a subset of the total number of computers while a Master IBM Tivoli Endpoint Manager Console Operator will see all of the computers.

Workstation installations

Number of managed computers	CPU	Memory	Hard disks (free space)
< 250	1 GHZ	512 MB	50 MB free
1,000	2 GHZ	512 MB	100 MB free
10,000	2-3 GHZ	1 GB	250 MB free
50,000	2-3 GHZ - 2 Cores	2 GB	1 GB free
100,000	2-3 GHZ - 2 Cores	3 GB	2 GB free
> 200,000	2-3 GHZ - 2-4 Cores	4 GB	3 GB free

Terminal Server and Citrix Server installations

The primary constraints for the IBM Tivoli Endpoint Manager Console are CPU and memory. The memory use of the IBM Tivoli Endpoint Manager Console goes up with the total number of managed IBM Tivoli Endpoint Manager clients. These configurations assume standard usage patterns for up to 10-20 simultaneous IBM Tivoli Endpoint Manager Console users:

Number of IBM Tivoli Endpoint Manager Agents	CPU	Memory	Hard disks (free space)
< 250	2-3 GHZ-2 Cores	2 GB	1 Raid Array (RAID 5, 10)-5 GB free
1,000	2-3 GHZ-2 Cores	4 GB	1 Raid Array (RAID 5, 10)-10 GB free
10,000	2-3 GHZ-4 Cores	8 GB	1 Raid Array (RAID 5, 10)-20 GB free
25,000	2-3 GHZ-4 Cores	8-16 GB	1 Raid Array (RAID 5, 10)-40 GB free
100,000	2-3 GHZ-4-8 Cores	16-32 GB	1 Raid Array (RAID 5, 10)-80 GB free
200,000	2-3 GHZ-8-16 Cores	16-32 GB	1 Raid Array (RAID 5, 10)-150 GB free

Note: The values above reflect the number of simultaneous IBM Tivoli Endpoint Manager Consoles running on a single Terminal Server or Citrix Server, which means a single server can support many more IBM Tivoli Endpoint Manager Console Operators in total depending on IBM Tivoli Endpoint Manager Console usage patterns. Consider using more than one Terminal Server or Citrix Server if you will have more simultaneous users than the values listed here.

Important note: For larger deployments that expect over 50,000 IBM Tivoli Endpoint Manager Agents or over 50 IBM Tivoli Endpoint Manager Console operators, consult an IBM Tivoli Endpoint Manager deployment specialist for specific recommendations on Terminal Server and Citrix Server configurations.

Smart Protection Server hardware specifications (optional download available directly from Trend)

- 2.0 GHz Intel® Core2Duo 64-bit processor supporting Intel Virtualization Technology, or equivalent
- 1 GB RAM (1.5 GB recommended)
- 10 GB disk space for minimum virtualization requirements (20 GB recommended for virtualization requirements if fewer than 1,000 clients. Add 15 GB for every 1,000 clients.)

Note: Smart Protection Server automatically partitions the detected disk space as required.

Software requirements

The software requirements for IBM Tivoli Endpoint Manager for Core Protection are dependent on its components, which are:

- IBM Tivoli Endpoint Manager for Core Protection Server
- IBM Tivoli Endpoint Manager for Core Protection Console
- IBM Tivoli Endpoint Manager for Core Protection Agent
- IBM Tivoli Endpoint Manager for Core Protection Relay

Server system requirements

IBM Tivoli Endpoint Manager for Core Protection Server software specifications consist of specifications for Tivoli Endpoint Manager Server and the optional Smart Protection Server available directly from Trend Micro.

Tivoli Endpoint Manager Server supported operating systems

- Windows 2008 (x86/x64) Enterprise
- Windows 2003 (x86/x64) Enterprise

Supported databases

- SQL Server 2008 (x86/x64) Enterprise
- SQL Server 2005 (x86/x64) Enterprise

SQL Standard Edition is usually sufficient for smaller deployments with fewer than 50,000 computers. For more information, refer to the Microsoft knowledge base article

<http://www.microsoft.com/Sqllserver/2005/en/us/compare-features.aspx>

Note: Always apply the latest service pack and hot fixes for SQL server and Windows operating systems.

Smart Protection Server software specifications (for optional download directly from Trend Micro)

Supported virtualization platforms

- VMWare:
 - VMWare Server 2.0
 - VMWare ESX 3.0, 3.5, 4.0
 - VMWare ESXi 3.5, 4.0
- Microsoft Windows:
 - Windows Server 2008 R2 with Hyper-V

Console system requirements

IBM Tivoli Endpoint Manager for Core Protection Console software specifications

Supported operating systems:

- Microsoft Windows XP
- Microsoft Windows 2003
- Microsoft Windows Vista
- Microsoft Windows 2008
- Microsoft Windows 7

Required software configurations:

- Internet Explorer 6, or later.
- Microsoft Data Access Components 2.7, and later.
- Office web components.
- Minimum 1024x768 screen resolution.
- High Speed network connection to the IBM Tivoli Endpoint Manager Server database.
- IBM Tivoli Endpoint Manager requires MSXML 6 and Windows Installer V3.1.
- Flash Player V9, or later is required to see the dashboards in the IBM Tivoli Endpoint Manager Console (and some of the web reports).

IBM Tivoli Endpoint Manager for Core Protection Agent software specifications

Supported operating systems

Microsoft Windows

- Windows 2003, Windows XP (x64)(including Windows 2003 R2)
- Windows Vista (x86/x64)
- Windows 2003 Itanium®
- Windows Server 2008 (x86/x64)
- Windows Server 2008 Core (x86/x64)
- Windows Server 2008 R2
- Windows Server 2008 R2 Core
- Windows 2008 Itanium
- Windows 7
- Windows XP Embedded
- Windows Embedded POS Ready 2009

Apple

- Mac OS X 10.4, 10.5.5, 10.6

IBM Tivoli Endpoint Manager for Core Protection Smart Protection Relay software specifications

Supported operating systems

Microsoft Windows:

- Windows Vista (x86/x64)
- Windows Server 2008 (x86/x64)
- Windows Server 2008 Core (x86/x64)
- Windows Server 2008 R2
- Windows Server 2008 R2 Core
- Windows 7 (x86/x64)

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 Endpoint Manager for Core Protection V10.5 is distributed with:

- International Program License Agreement (Z125-3301)
- License Information document number L-TBRN-8FQNZU
- IBM Tivoli Endpoint Manager for Core Protection V10.5 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 Endpoint Manager for Core Protection V10.5 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/>

Licensing metric definitions and pricing examples

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 and/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 switchover between programs, databases, or other resources to occur.

Pricing examples

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 at the following website 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 Tivoli Endpoint Manager 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

Pricing example 1

A customer wishes to license Tivoli Endpoint Manager for the servers in the following core environment:

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
- 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 with Tivoli Endpoint Manager:

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
z800 server with 2 uniprocessor IFLs (requires Linux on System z availability)	1	2
Total processors to		312

be licensed

Based on the 312 managed cores, the customer would require 312 RVUs of Tivoli Endpoint Manager.

Pricing example 2

A customer wishes to license Tivoli Endpoint Manager 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.

In addition, the customer would require 25,000 of the client device part number to license the 25,000 client devices in the environment.

Ordering information

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

Product group: Tivoli

Product: IBM Tivoli Endpoint Manager Core Protection (5725-D25)

Product category: TVCONFIG (Configurations and Operations)

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 Endpoint Manager for Core Protection V10.5 media pack

SUB IDs	Entitled maintenance offerings description
TEMCP01SB01	TEMFCP per Resource Value Unit
TEMCP01SB02	TEMFCP per Client Device
TEMCP01SB03	TEMFCP FTL per Resource Value Unit
TEMCP01SB04	TEMFCP FTL per Client Device

Media pack description	Part number
IBM Tivoli Endpoint Manager for Core Protection V10.5 Media Pack for MP English	BJ00GML

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 Software Subscription and Support (SW S&S) 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 Subscription and Support (also referred to as Software Maintenance). Software Subscription and Support in the second year (the first year of renewal) can be prorated to be coterminous with your common anniversary date. Thereafter, all Software Subscription and Support (Software Maintenance) will renew at the common anniversary date for twelve full months of Software Subscription and Support (Software 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 Subscription and Support (Software Maintenance).

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

IBM Tivoli Endpoint Manager for Core Protection - 5725-D25

Description	Part number
IBM Tivoli Endpoint Manager for Core Protection Resource Value Unit Lic + SW S&S 12 Mo	D0JIRLL
IBM Tivoli Endpoint Manager for Core Protection Resource Value Unit Annual SW S&S Rnw1	E0C4PLL
IBM Tivoli Endpoint Manager for Core Protection Resource Value Unit SW S&S Reinstae 12 Mo	D0JISLL
IBM Tivoli Endpoint Manager for Core Protection Client Device Lic + SW S&S 12 Mo	D0JITLL
IBM Tivoli Endpoint Manager for Core Protection Client Device Annual SW S&S Rnw1	E0C4QLL
IBM Tivoli Endpoint Manager for Core Protection Client Device SW S&S Reinstae 12 Mo	D0JIULL
IBM Tivoli Endpoint Manager for Core Protection FTL Resource Value Unit Initl FT Lic+S&S 12 Mo	D0JIVLL
IBM Tivoli Endpoint Manager for Core Protection FTL Resource Value Unit SubSq FT Lic+S&S 12 Mo	E0C4RLL
IBM Tivoli Endpoint Manager for Core Protection FTL Client Device Initl FT Lic+S&S 12 Mo	D0JIWLL
IBM Tivoli Endpoint Manager for Core Protection FTL Client Device SubSq FT Lic+S&S 12 Mo	E0C4SLL

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 Endpoint Manager for Core Protection V10.5.0 Media Pack for MP English	BJ00GML

The IBM Tivoli Endpoint Manager for Core Protection program 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.

This program is licensed under the IBM International Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provides 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 Endpoint Manager for Core Protection (5725-D25): L-TBRN-8FQNZU

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

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