



IBM Tivoli Access Management family - new releases of software designed to manage Web security, strengthen data security, and secure Cloud and SOA deployments across the enterprise

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At a glance

IBM® Tivoli® Access family of products helps enterprises:

- Manage and enforce policy-based access control to your enterprise-wide applications with enhanced performance and scalability to support tens of millions of users.
- Provide seamless single sign-on (SSO) and user session management in Web 2.0 and Web services environments through enhanced integration with WebSphere® DataPower® SOA appliances as well as with .NET environment.
- Provide seamless SSO from desktop apps, mainframe, TTY, and Java™ to Web applications.
- Enhance business-to-business (B2B) and business-to-consumer (B2C) collaborations and access management across the business ecosystem through B2C self-care capabilities.
- Provide standards-based federated access control for on-premise and off-premise applications, software as a service (SaaS), and Cloud-based services through updated support for SAML2.0 and OpenID.
- Centrally manage application roles, entitlements, and data-level access to new and existing resources including in-house and custom applications.
- Easily administer and enforce fine-grained data entitlements consistently from portals, for example, WebSphere Portal and SharePoint to databases, such as IBM DB2®.
- Deploy highly scalable, application-specific policy enforcements with incremental run-time security services deployments in a remote or local mode.

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 Access family of products delivers next-generation, highly scalable, standards-based management solutions to manage and enforce secure user access to a wide variety of Web applications, Web services, software as a service (SaaS), Cloud-based services, and data services across the enterprise.

This announcement includes new software releases for:

- Tivoli Security Policy Manager V7.1
- Tivoli Access Manager for e-business V6.1.1
- Tivoli Federated Identity Manager V6.2.1
- Tivoli Federated Identity Manager Business Gateway V6.2.1
- Tivoli Federated Identity Manager for z/OS® V6.2.1
- IBM Tivoli Identity and Access Assurance V1.1
- IBM Tivoli Unified Single Sign-On V1.1

IBM Tivoli Security Policy Manager V7.1 delivers enhanced data security management solutions to help reduce the complexity and cost of managing and enforcing fine-grained entitlements and message security policies in heterogeneous IT, Cloud, and service-oriented architecture (SOA) environments.

IBM Tivoli Access Manager for e-business V6.1.1 delivers updated application security and Web single sign-on (SSO) solutions to manage and enforce secure user access to a wide variety of Web applications and services.

IBM Tivoli Federated Identity Manager V6.2.1 delivers enhanced federated SSO and identity mediation services to expand access to consumers, and provide secure collaboration with business partners, including enforced access to SaaS and Cloud-based services.

IBM Tivoli Federated Identity Manager Business Gateway V6.2.1 provides an entry-level solution that enables organizations to establish federated identity management with small-to-midsize business partners and offers access management for Cloud and SaaS environments with Security Assertion Markup Language (SAML)-only protocol support. It can be seamlessly upgraded to Tivoli Federated Identity Manager for an enterprise-level deployment.

IBM Tivoli Federated Identity Manager for z/OS V6.2.1 offers the federated SSO and Web services identity service, similar to the distributed version, and provides you with the ability to natively run the application in a mainframe environment.

IBM Tivoli Identity and Access Assurance V1.1 helps address today's organizational security challenges by administering, securing, and monitoring identities, roles, and entitlements with efficient lifecycle management, access controls, and compliance auditing.

IBM Tivoli Unified Single Sign-On V1.1 addresses requirements for SSO inside, outside, and between organizations. Ordering this single part number enables you to realize the combined benefits of two leading SSO solutions - IBM Tivoli Access Manager for Enterprise Single Sign-On (suite component) and IBM Tivoli Federated Identity Manager (which includes IBM Tivoli Access Manager for e-business) - at a very affordable price.

Key prerequisites

For details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

Planned availability date

May 28, 2010 for electronic availability
June 18, 2010 for media availability

Description

Organizations are increasingly offering their mission-critical applications and services through online portals to employees, contractors, business partners, and end consumers. As organizations take advantage of these online channels for intranet or customer-facing portals, they should address growing Web security needs. Similarly, enterprises should also address user access to numerous business-critical data and applications deployed within the organization.

In today's dynamic application environments, organizations are increasingly exposing sensitive data and personally identifiable information (PII) through business services to a diverse set of internal and external users. As composite applications and services become increasingly complex, and organizations work to make information and services more accessible to more users, applications can become more vulnerable. In order to address the growing compliance needs, corporate security policies dictate that this user access be managed on a need-to-know basis in order to help minimize risk of both intentional and unintentional data loss or breach of data security.

Also, enterprises are continually seeking new ways to deliver applications and services efficiently and cost effectively. Many are already using Web services or service-oriented architecture (SOA) implementations to provide access to on-premise and off-premise applications. Many other enterprises are looking to leverage Security Assertion Markup Language (SAML) and Software as a Service (SaaS) Cloud-based deployments to expand collaboration with business partners and consumers, and gain a competitive edge. These alternative approaches present opportunities and create new vulnerabilities, exposing access to applications and services beyond traditional organizational boundaries. Organizations, therefore, require enhanced IT security capabilities to manage and protect access to these applications and services.

IBM Tivoli Access family of products and solutions lets organizations address the challenges of needing to manage Web security, strengthen data security, and secure Cloud and SOA deployments across the enterprise.

Portal security

IBM Tivoli Access Management products provide a consolidated authentication framework to online Portal deployments. The products enable you to externalize security function outside of the enterprise Portal and application infrastructure through scalable single sign-on (SSO) and centralized authentication capabilities, including support for strong authentication and powerful session management capabilities, reducing application development costs, expediting the secure implementation of new initiatives, and facilitating compliance reporting and audit processes.

Application security

IBM Tivoli Access Management products help protect applications by providing capabilities such as auditable federated access controls, fine-grained control of user privileges, and centralized management of data entitlements and encryption keys. Tivoli Access Manager for e-business reverse proxy acts as an identity firewall to support secure deployments of Web applications and works with IBM Rational® AppScan® to address key application vulnerabilities. Tivoli Access Manager for e-business can help remediate these vulnerabilities once they are detected by creating a secure, persistent user-to-application tunnel and providing stronger authentication and session management support for suspected applications.

Data security

IBM Tivoli Access Management products enhance an organization's data security posture by enabling data access only on a need-to-know basis. IBM Tivoli Security Policy Manager is a powerful data and application security management solution that equips organizations with fine-grained entitlements and security policy

management. It provides the ability to manage data security policies associated with different services and applications in a centralized manner, rather than having to deal with multiple policies and settings that all have product-specific definitions. This reduces the risk of deploying inconsistent data access control policies and helps eliminate unintended access to sensitive data.

Cloud security

IBM Tivoli Access Management products provide scalable and highly available secure access to Cloud deployments. Capabilities such as federated access control and data entitlement management also help reduce the risk of inconsistent access to on-premises and off-premise applications and services. In particular, federated access control can simplify the process of integrating ever-increasing amounts of information contained in different security domains. Data entitlement management provides a policy-based approach that incorporates security management capabilities and runtime security services that can be integrated easily within existing SOA components such as the XML firewall, enterprise service bus (ESB), and service registries and repositories.

Identity and access assurance

IBM Tivoli Identity and Access Assurance V1.1 can help you address compliance initiatives, operational costs (automate manual administrative tasks that can reduce help desk cost), operational security posture (administer and enforce user access to resources), and operational efficiencies (enhancing user productivity).

Tivoli Identity and Access Assurance V1.1 includes:

- IBM Tivoli Identity Manager V5.1
- IBM Tivoli Access Manager for Enterprise Single Sign-On V8.1 (Suite component)
- IBM Tivoli Federated Identity Manager V6.2.1
- IBM Tivoli Access Manager for e-business V6.1.1
- IBM Tivoli Access Manager for Operating Systems V6.0
- IBM Tivoli Security Information and Event Manager V2.0

SSO

IBM Tivoli Unified Single Sign-On V1.1 addresses requirements for SSO inside, outside, and between organizations. Ordering this single part number enables you to realize the combined benefits of two leading SSO solutions - IBM Tivoli Access Manager for Enterprise Single Sign-On (Suite component) and IBM Tivoli Federated Identity Manager which includes IBM Tivoli Access Manager for e-business) - at a very affordable price.

IBM Tivoli Access Manager for Enterprise Single Sign-On addresses SSO requirements inside the organization and helps simplify, strengthen, and track access by integrating with strong authentication, access workflow automation, fast user switching, and audit reporting. Through Tivoli Access Manager for e-business, Tivoli Federated Identity Manager addresses SSO requirements outside the organization as an SSO hub for authentication and authorization for Web and other applications. Tivoli Federated Identity Manager also addresses SSO requirements between organizations by providing user-centric, federated SSO to help securely share information between trusted partners.

IBM Tivoli Unified Single Sign-On V1.1 includes the current releases of IBM Tivoli Access Manager for Enterprise Single Sign-On V8.1 Suite, IBM Tivoli Federated Identity Manager V6.2.1, and IBM Tivoli Access Manager for e-business V6.1.1.

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

The products in this announcement, except for IBM Tivoli Unified Single Sign-On are capable, 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

Product positioning

IBM Tivoli Access family provides the foundation for identity, data, and application security.

- **IBM Tivoli Security Policy Manager** is a management solution for data security and helps drive operational governance. It helps application owners within the lines of businesses drive desired level of data security controls. It helps enterprise architects who are transforming your applications and IT environments to adopt Cloud, SaaS and SOA-based services to drive operational governance.
- **IBM Tivoli Access Manager for e-business** is a solution for Web application security enforcement. This helps IT operations to manage and enforce user access management across the enterprise.
- **IBM Tivoli Federated Identity Manager** is a management solution for application security that helps expand access control to external business partners and consumers without having to manage their individual identities. This helps lines of businesses secure collaboration with business partners and subsidiaries. It helps IT operations by allowing a modular upgrade to IBM Tivoli Access Manager for e-business to centrally manage and enforce user access to on-premises and off-premise applications, including SaaS and Cloud-based services.
- **IBM Tivoli Identity and Access Assurance** is for those customers looking for a solution to help automate the management of compliance initiatives. It helps you understand your current posture to internal and external audit and compliance requirements by monitoring the infrastructure and user activity. It also provides the tools to assist in managing user access certification and recertification and user provisioning as a vital part of the overall compliance posture.
- **IBM Tivoli Unified Single Sign-On** is an access management solution for customers who want a robust access control solution that facilitates collaboration inside and outside the enterprise by delivering federated SSO, Web SSO, and enterprise SSO to provide end-to-end coverage of all enterprise access scenarios.

Reference information

Refer to:

Software Announcement [208-354](#), dated November 25, 2008, IBM Tivoli Security Policy Manager V7.0

Software Announcement [208-077](#), dated April 08, 2008, IBM Tivoli Access Manager for e-business V6.1

Software Announcement [208-136](#), dated June 17, 2008, IBM Tivoli Federated Identity Manager V6.2 family (IBM Tivoli Federated Identity Manager V6.2, IBM Tivoli Federated Identity Manager for Business Gateway V6.2, and IBM Tivoli Federated Identity Manager for z/OS V6.2)

Software Announcement [209-124](#), dated April 21, 2009, Tivoli Identity and Access Assurance V1.0

Software Announcement [208-324](#), dated October 14, 2008, IBM Tivoli Identity and Access Manager V1.0 and IBM Tivoli Unified Single Sign-On V1.0

Software Announcement [210-068](#), dated February 23, 2010, IBM Tivoli Security Information and Event Manager V2.0

Software Announcement [209-182](#), dated June 23, 2009, IBM Tivoli Identity Manager V5.1

Software Announcement [209-464](#), dated November 24, 2009, IBM Tivoli Access Manager Enterprise Single Sign-On V8.1

Software Announcement [206-089](#), dated April 18, 2006, IBM Tivoli Access Manager for Operating Systems V6.0

Program number

Program number	VRM	Program name
5724-S24	7.1.0	IBM Tivoli Security Policy Manager
5724-C87	6.1.1	IBM Tivoli Access Manager for e-business
5724-L73	6.2.1	IBM Tivoli Federated Identity Manager
5724-Q82	6.2.1	IBM Tivoli Federated Identity Manager Business Gateway
5698-B28	6.2.1	IBM Tivoli Federated Identity Manager for z/OS (S&S program number 5698-R19)
5724-x91	1.1.0	IBM Tivoli Identity and Access Assurance
5724-w01	1.1.0	IBM Tivoli Unified Single Sign-On

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 Security Policy Manager V7.1

IBM Tivoli Security Policy Manager Quick Start Guide English and translated publications will be delivered on a separate publications CD-ROM with the basic machine-readable material.

The following English publications may be downloaded at general availability from the following Web site. Translated publications will be available within 60 days of general availability from the same Web site.

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

English publications:

Title	Order number
IBM Tivoli Security Policy Manager: Quick Start Guide	GI11-8707-01
Installation Guide	GC27-2712-00
Configuration Guide	GC27-2713-00
Administration Guide	SC23-9476-01

IBM Tivoli Access Manager for e-business V6.1.1

Tivoli Access Manager for e-business Quick Start Guide English and translated publications will be delivered on a separate publications CD-ROM with the basic machine-readable material. It can also be downloaded at general availability from

<http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/topic/com.ibm.itame.doc/welcome.htm>

The following English publications may be downloaded at general availability from the following Web site. National language publications will be available within 60 days of general availability from the same Web site.

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

English publications:

Title	Order number
Tivoli Access Manager for e-business: Quick Start Guide	GI11-9333-00
Administration Guide	SC23-6504-01
WebSEAL Administration Guide	SC23-6505-01
Installation Guide	GC23-6502-01
Upgrade Guide	SC23-6503-01
Shared Session Management Administration Guide	SC23-6509-01
Plug-in for Web Servers Administration Guide	SC23-6507-01
Auditing Guide	SC23-6511-01
Error Message Reference	GI11-8157-01
Command Reference	SC23-6512-01
Plug-in for Edge Server Administration Guide	SC23-6506-01
Troubleshooting Guide	GC27-2717-00
Web Security Developer Reference	SC23-6517-01
Administration C API Developer Reference	SC23-6513-01
Administration Java Classes Developer Reference	SC23-6514-01
Authorization C API Developer Reference	SC23-6515-01
Authorization Java Classes Developer Reference	SC23-6516-01
Performance Tuning Guide	SC23-6518-01

IBM Tivoli Federated Identity Manager V6.2.1 and IBM Tivoli Federated Identity Manager Business Gateway V6.2.1

Tivoli Federated Identity Manager and Tivoli Federated Identity Manager Business Gateway Quick Start Guide English and translated publications will be delivered on a separate publications CD-ROM with the basic machine-readable material. They can also be downloaded at general availability from the following Web sites.

Tivoli Federated Identity Manager

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/index.jsp?toc=/com.ibm.tivoli.fim.doc_6.2.1/toc.xml

Tivoli Federated Identity Manager Business Gateway

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/index.jsp?toc=/com.ibm.tivoli.fim_bg.doc_6.2.1/toc.xml

The following English publications may be downloaded at general availability from the following Web site. National language publications will be available within 60 days of general availability from the same Web site.

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

English publications:

Title	Order number
Tivoli Federated Identity Manager: z/OS Program Directory (z/OS only)	GI11-6471-03
z/OS License Information (z/OS only)	GC23-5623-03
Quick Start Guide (not for z/OS)	GI11-6490-03
Installation Guide	GC27-2718-00
Configuration Guide	GC27-2719-00
Administration Guide	SC23-6191-01
Web Services Security Management Guide	GC32-0169-03
Error Message Reference	GC32-2289-03
Auditing Guide	GC32-2287-03
Troubleshooting Guide	GC27-2715-00

Title	Order number
Tivoli Federated Identity Manager Business Gateway: Quick Start Guide	GI11-4624-02
Installation Guide	GC23-8613-00
Configuration Guide	GC23-8614-00
Administration Guide	SC32-1578-02
Error Message Reference	SC32-1579-02
Auditing Guide	SC32-1580-02
Troubleshooting Guide	GC27-2806-00

IBM Tivoli Identity and Access Assurance V1.1 and IBM Tivoli Unified Single Sign-on V1.1

Refer to the [Reference information](#) section for additional information on publications for Tivoli Identity and Access Assurance and Tivoli Unified Single Sign-on components.

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 Security Policy Manager V7.1 minimum and recommended processor, disk space, and memory requirements:

	Minimum	Recommended
Processor	1 MHz	2 GHz
Disk space excluding WebSphere web server or Web browser	4 GB	15 GB
Memory excluding WebSphere		

web server or web browser	3 GB	6 GB
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IBM Tivoli Access Manager for e-business V6.1.1 minimum and recommended processor, disk space, and memory requirements:

Description	Minimum	Recommended
Processor	400 MHz	1 GHz
Disk space excluding websphere, web server, or web browser	101 MB	226 MB
Memory excluding websphere, web server, or web browser	224 MB	576 MB

IBM Tivoli Federated Identity Manager V6.2.1 minimum and recommended processor, disk space, and memory requirements:

	Minimum	Recommended
Processor	300 MHz	400 MHz
Disk space excluding websphere web server, or web browser	1 GB	1.5 GB
Memory excluding websphere web server, or web browser	1 GB	1.5 GB

IBM Tivoli Federated Identity Manager Business Gateway V6.2.1 minimum and recommended processor, disk space, and memory requirements:

	Minimum	Recommended
Processor	300 MHz	400 MHz
Disk space	1 GB	1.5 GB
Memory	1 GB	1.5 GB

IBM Tivoli Federated Identity Manager for z/OS V6.2.1 minimum and recommended processor, disk space, and memory requirements:

	Minimum	Recommended
Processor	Z800	Z800
Disk space excluding web server, or web browser	300 MB	450 MB

Refer to the [Reference information](#) section for announcements that contain details about hardware requirements for each component in IBM Tivoli Identity and Access Assurance and IBM Tivoli Unified Single Sign-on as hardware requirements may vary among the individual components.

Software requirements

IBM Tivoli Security Policy Manager V7.1 supports the following:

- IBM AIX® V5.3, V6.1
- Red Hat Enterprise Linux® (RHEL) 5.0 Advanced Platform x86-32, x86-64, and on System z®
- Solaris 9 and 10 SPARC
- SUSE Linux (SLES) 10.0, 11.0 Enterprise Server x86-32, x86-64, and on System z
- Windows® Server 2003 Standard and Enterprise Edition x86-32 and x86-64
- Windows Server 2008 Standard and Enterprise Edition x86-32 and x86-64
- Windows Server 2008 R2 Standard and Enterprise Edition x86_64

Included with the program package for use restricted to IBM Tivoli Security Policy Manager V7.1 are:

- IBM WebSphere Application Server ND V7.0
- IBM DB2 Workgroup Server Edition V9.7
- IBM Tivoli Federated Identity Manager V6.2.1

IBM Tivoli Access Manager for e-business V6.1.1 base components - Access Manager Runtime, Java Runtime, Authorization Server, Policy Proxy Server, Policy Server, Web Portal Manager, and Application Development Kit run on the following operating systems:

- IBM AIX V5.2, V5.3, or V6.1
- Sun Solaris 9 or 10 on SPARC
- Sun Solaris 10 on AMD64
- Hewlett-Packard HP-UX 11iv2 or 11iv3 on PA-RISC or Itanium®
- Microsoft® Windows 2003 Server Standard Edition x86_32 and x86_64
- Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 R2 Server Standard Edition on x86_64
- Microsoft Windows 2008 R2 Server Enterprise Edition on x86_64
- Red Hat Enterprise Linux 4.0 or 5.0 on x86-32, x86-64, System p® or System z
- SUSE Linux Enterprise Server 9.0, 10.0, or 11.0 on x86-32, x86-64, System p or System z

Access Manager reverse proxy (WebSEAL)

- IBM AIX V5.2, V5.3, or V6.1
- Sun Solaris 9 or 10 on SPARC
- Sun Solaris 10 on AMD64
- Hewlett-Packard HP-UX 11iv2 or 11i3 on PA-RISC and Itanium
- Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 R2 Server Standard Edition on x86_64
- Microsoft Windows 2008 R2 Server Enterprise Edition on x86_64
- Red Hat Enterprise Linux 4.0 or 5.0 on x86-32, x86-64 or System z
- SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, or System z

Access Manager Plug-in for Web Servers

- Apache Web Server 2.0
 - IBM AIX V5.2, V5.3, or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86-32, x86-64, and System z
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64 and System z
 - SUSE Linux Enterprise Server 9.0, 10.0, or 11.0 on x86-32, x86-64, and System z
- Apache Web Server 2.2
 - IBM AIX V5.2, V5.3, or V6.1

- Sun Solaris 9 or 10 on SPARC
- Red Hat Enterprise Linux 4.0 AS/ES on x86-32, x86-64, and System z
- Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64 and System z
- SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, and System z
- IBM HTTP Server V2.0
 - IBM AIX V5.2, V5.3, or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux Server 4.0 AS/ES on x86-32, x86-64 and System z
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64, and System z
 - SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, and System z
 - Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- IBM HTTP Server V6.0
 - IBM AIX V5.2, V5.3, or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86-32, x86-64, and System z
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64 and System z
 - SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, and System z
 - Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- IBM HTTP Server V6.1
 - IBM AIX V5.2, V5.3 or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86-32, x86-64, and System z
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64, and System z
 - SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, and System z
 - Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- IBM HTTP Server V7.0
 - IBM AIX V5.2, V5.3 or 6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86-32, x86-64, and System z
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64, and System z
 - SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32, x86-64, and System z
 - Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64

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- Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 R2 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2008 R2 Server Enterprise Edition on x86-32 and x86-64
- Sun Java System Web Server 6.1 SP1
 - IBM AIX V5.2, V5.3, and V6.1
 - Sun Solaris 9 or 10 on SPARC
- Sun Java System Web Server 7.0
 - Sun Solaris 9 or 10 on SPARC
- IBM WebSphere Application Server Network Deployment, Edge Components V6.1
 - IBM AIX V5.2, V5.3, or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86-32 and x86-64
 - SUSE Linux Enterprise Server 9.0, 10.0, and 11.0 on x86-32 and x86-64
 - Microsoft Windows 2003 Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Enterprise Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Enterprise Edition on x86-32 and x86-64
- IBM WebSphere Application Server Network Deployment, Edge Components V7.0
 - IBM AIX V5.2, V5.3, or V6.1
 - Sun Solaris 9 or 10 on SPARC
 - Red Hat Enterprise Linux 4.0 AS/ES on x86_32 and x86_64
 - Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32 and x86-64
 - SUSE Linux Enterprise Server 9.0, 10.0, 11.0 on x86-32 and x86-64
 - Microsoft Windows 2003 Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Enterprise Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Enterprise Edition on x86-32 and x86-64
- Microsoft IIS 6.0
 - Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
- Microsoft IIS 7.0
 - Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
 - Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64
- Microsoft IIS 7.5
 - Microsoft Windows 2008 R2 Server Standard Edition on x86-64
 - Microsoft Windows 2008 R2 Server Enterprise Edition on x86-64

Access Manager Session Management Services

- IBM AIX V5.2, V5.3, or V6.1
- Sun Solaris 9 or 10 on SPARC
- Hewlett-Packard HP-UX 11iv2 or 11iv3 on PA-RISC
- Microsoft Windows 2003 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2003 Server Enterprise Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Standard Edition on x86-32 and x86-64
- Microsoft Windows 2008 Server Enterprise Edition on x86-32 and x86-64

- Microsoft Windows 2008 R2 Server Standard Edition on x86_64
- Microsoft Windows 2008 R2 Server Enterprise Edition on x86-64
- Red Hat Enterprise Linux Server 4.0 or 5.0 on x86-32, x86-64, or System z
- SUSE Linux Enterprise Server 9.0, 10.0, or 11.0 on x86-32, x86-64, or System z

The following products are included with Tivoli Access Manager for e-business V6.1.1 for use restricted to Tivoli Access Manager for e-business:

- IBM Tivoli Directory Server V6.1
- IBM Tivoli Directory Integrator V6.1.1
- IBM WebSphere Application Server V6.1
- IBM DB2 Enterprise Server Edition V9.1
- IBM WebSphere Application Server Network Deployment V6.1
- IBM Tivoli Common Reporting V1.2

IBM Tivoli Federated Identity Manager V6.2.1 and IBM Tivoli Federated Identity Manager Business Gateway V6.2.1 support the following:

- IBM AIX (32-bit) V5.2, V5.3, and V6.1
- Sun Solaris 9 and 10 on SPARC
- Microsoft Windows 2003 Standard Server and Enterprise Server on x86-32 and x86-64
- Microsoft Windows 2008 Standard Server and Enterprise Server on x86-32 and x86-64
- Microsoft Windows 2008 R2 Standard Server and Enterprise Server on x86-64
- Red Hat Enterprise Linux Advanced Server 3.0 on x86-32
- Red Hat Enterprise Linux Advanced Server 4.0 AS/ES on x86-32, x86-64, System p, and System z
- Red Hat Enterprise Linux 5.0 Advanced Platform on x86-32, x86-64, System p, and System z
- SUSE Linux Enterprise Server 9.0, 10.0 and 11.0 on x86-32, x86-64, System p, and System z
- HP-UX 11i v2 on Integrity
- HP-UX 11i v3 on Integrity

The Web Server Plug-in component of Tivoli Federated Identity Manager and Tivoli Federated Identity Manager Business Gateway supports:

- Apache Web Server 2.0
 - Red Hat Enterprise Linux Server 4.0 or 5.0 on 86-32
 - SUSE Linux Enterprise Server 9 or 10 on 86-32
- Apache Web Server 2.2
 - Red Hat Enterprise Linux Server 4.0 or 5.0 on x86-32 and x86-64
 - SUSE Linux Enterprise Server 9.0, 10.0 or 11.0 on x86-32 and x86-64
- IBM HTTP Server V6.1
 - Red Hat Enterprise Linux Server 4.0 or 5.0 on x86-32 and x86-64
 - SUSE Linux Enterprise Server 9.0, 10.0, or 11.0 on x86-32 and x86-64
- IBM HTTP Server V7.0
 - Red Hat Enterprise Linux Server 4.0 or 5.0 on x86-32 and x86-64
 - SUSE Linux Enterprise Server 9.0, 10.0, or 11.0 on x86-32 and x86-64
- Microsoft Internet Information Server 6.0
 - Microsoft Windows 2003 Server Standard Edition or Enterprise Edition on x86_32 and x86_64
- Microsoft Internet Information Server 7.0

- Microsoft Windows 2008 Server Standard Edition or Enterprise Edition on x86-32 and x86-64
- Microsoft Internet Information Server 7.5
 - Microsoft Windows 2008 R2 Server Standard Edition or Enterprise Edition on x86-64

Included with the program package for use restricted to Tivoli Federated Identity Manager V6.2.1 are:

- IBM WebSphere Application Server Network Deployment V6.1
- IBM WebSphere Application Server Network Deployment V7.0
- An embedded version of IBM WebSphere Application Server V6.1
- IBM Tivoli Directory Integrator V6.1.1
- IBM Tivoli Directory Server V6.1
- IBM Tivoli Access Manager for e-business V6.1.1
- IBM Tivoli Common Reporting V1.2

Included with the program package for use restricted to IBM Tivoli Federated Identity Manager Business Gateway V6.2.1 are:

- An embedded version of IBM WebSphere Application Server V6.1.
- IBM WebSphere Application Server V6.1

IBM Tivoli Federated Identity Manager for z/OS V6.2 supports the following:

- z/OS V1R9
- z/OS V1R10
- z/OS V1R11
- IBM WebSphere Application Server for z/OS V6.1
- IBM WebSphere Application Server for z/OS V7.0

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

The products in this announcement are distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- CD

- 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

The programs in this announcement use the security and auditability features of the operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

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

IBM Tivoli Enhanced Value-Based Pricing

Pricing terminology and definitions

User Value Unit (UVU)

UVU is a unit of measure by which the program can be licensed. UVU Proofs of Entitlement (PoEs) are based on the number and type of users for the given program. Licensee must obtain sufficient entitlements for the number of UVUs required for licensee's environment as specified in the table below. The UVU entitlements are specific to the program and type of user and may not be exchanged, interchanged, or aggregated with UVU entitlements of another program or type of user. Refer to the program specific UVU.

Licensee must obtain the appropriate number of UVU entitlements based on the type of user given access to the program. The type of users are:

- An internal user is a unique person that is given access to the program that is part of, a contractor performing work on behalf of, or an employee of the licensee. Each internal user equals one user for the purpose of calculating UVUs.
- An external user is a unique person that is given access to the program that is not part of, a contractor performing work on behalf of, or an employee of the licensee. A ratio of fifteen external users equals one user for the purpose of calculating UVUs.
- An infrequent internal user is an internal user who accesses the program less than five times a year. Infrequent internal users must be grouped so as to be trackable and auditable. A ratio of fifteen infrequent internal users equals one user for the purpose of calculating UVUs.

Users are summed up and the volume tiering information below is then utilized to calculate the total User Value Units entitlements required.

- For 1 to 5,000 users, 1 UVU per user.

- For 5,001 to 15,000 users, 0.5 UVU per user.
- For 15,001 to 50,000 users, 0.3 UVU per user.
- For 50,001 to 150,000 users, 0.2 UVU per user.
- For 150,001 to 500,000 users, 0.1 UVU per user.
- For 500,001 to 1 million users, 0.05 UVU per user.
- For greater than 1 million to 3 million users, 0.025 UVU per user.
- For greater than 3 million users, 0.01 UVU per user.

Process Value Unit (PVU)

PVU is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology defined within the PVU table by processor vendor, brand, type, and model number at

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

and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores.

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 Web page below). If using full capacity licensing, licensee must obtain PVU entitlements sufficient to cover all activated processor cores* in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using virtualization capacity licensing, licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the virtualization capacity license counting rules at

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

* 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.

Processor Value Unit entitlements are required for the IBM Tivoli Security Policy Manager for Data Entitlements component.

Resource Value Unit (RVU)

RVU is a unit of measure by which the program can be licensed. RVU 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 table 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.

RVU entitlements are required for the IBM Tivoli Security Policy Manager Runtime Security Services component.

The number of copies of IBM Tivoli Security Policy Manager Runtime Security Services component is used to calculate the required RVU entitlements.

Total RVU entitlements are calculated based upon the following volume tiering and are rounded up to the next whole number.

- For 0-2 resources, 1.00 RVU per resource is needed.
- For 3-5 resources, 0.90 RVU per resource is needed.

- For 6-10 resources, 0.80 RVU per resource is needed.
- For 11-20 resources, 0.70 RVU per resource is needed.
- For 21-35 resources, 0.60 RVU per resource is needed.
- For 36-50 resources, 0.45 RVU per resource is needed.
- For greater than 50 resources, 0.30 RVU per resource is needed.

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.

Pricing examples

The following examples are provided to illustrate your licensing requirements.

IBM Tivoli Security Policy Manager V7.1

The pricing examples below should be used to determine required license entitlements for IBM Tivoli Security Policy Manager for Data Entitlements and IBM Tivoli Security Policy Manager Run Time Security Services. In many cases, it will require both Processor Value Unit entitlements and Resource Value Unit entitlements. Processor Value Unit entitlements are required to cover the Tivoli Security Policy Manager for Data Entitlements. Resource Value Unit entitlements are required for Tivoli Security Policy Manager Run Time Security Services and the total resources managed. In this case, the resources to enter into the volume tiering table for the purpose of calculating Resource Value Units to order are the number of copies of Tivoli Security Policy Manager Run Time Security Services.

Pricing model examples

Pricing Tivoli Security Policy Manager for Data Entitlements

XYZ wants to purchase the offering to externalize security from the applications, and manage security policies and entitlements for new and existing applications, such as Java, Microsoft .NET, mainframe, and even customized applications with the following components and configuration:

- Two 2-way servers running Tivoli Security Policy Manager for Data Entitlements
- One 4-way server running one copy of IBM Tivoli Security Policy Manager Run Time Security Services on each of the four processors

In this case, customer XYZ is required to purchase Processor Value Units to entitle Tivoli Security Policy Manager for Data Entitlements licenses for each of the four processors as identified in the following table.

Tivoli Security Policy Manager for Data Entitlements - PVUs

Tivoli Security Policy Manager for Data Entitlements	Quantity in customer environment	Total processors requiring PVUs
2-way	2	4
Total processors for calculating PVUs to order		4

In addition, customer XYZ is required to purchase Resource Value Units to entitle Tivoli Security Policy Manager Run Time Security Services for the four copies installed as identified in the following table.

Tivoli Security Policy Manager Run Time Security Services Entitlements - RVUs

Tier	Number of resources	Resources in environment	RVUs per resource	RVU qty to order
1	0-2	2	1.00	2.00
2	3-5	2	0.90	1.80
3	6-10		0.80	
4	11-20		0.70	
5	21-35		0.60	
6	36-50		0.45	
7	> than 50		0.30	
Total resources		4	Total RVUs	3.80
			RVUs to order (rounded up)	4.00

Note: The total Resource Value Units in the customer's environment are rounded up for the purpose of determining Resource Value Units to order. In this case, customer XYZ would order four Resource Value Units of Tivoli Security Policy Manager Run Time Security Services.

Pricing Tivoli Security Policy Manager Run-Time Security Services

Now customer XYZ (example above) wants to add more run-time services servers to their existing environment and associate with 10 additional individual application-specific deployments.

- Install 10 additional copies of Tivoli Security Policy Manager for Run-time Security Services

The new total copies of Tivoli Security Policy Manager for Run Time Security Services in the customer's environment would be 14 (the previous 4 plus the additional 10).

The following table shows the incremental Resource Value Units to order.

Tivoli Security Policy Manager Run Time Security Services Entitlements - RVUs

Tier	Number of resources	Resources in environment	RVUs per resource	Resource VU qty to order
1	0-2	2	1.00	2.00
2	3-5	3	0.90	2.70
3	6-10	5	0.80	4.00
4	11-20	4	0.70	2.80
5	21-35		0.60	
6	36-50		0.45	
7	> than 50		0.30	

Total resources	14	Total Resource VUs	11.50
		Less previous RVU entitlements -	4.00
		RVUs required	7.50
		RVUs to order rounded up	8.00

Note: The total Resource Value Units in the customer's environment are rounded up for the purpose of determining Resource Value Units to order. In this case, customer XYZ would order eight additional Resource Value Units of Tivoli Security Policy Manager Run Time Security Services.

IBM Tivoli Identity and Access Assurance V1.1

The pricing model for Tivoli Identity and Access Assurance V1.1 is enhanced to significantly reduce the price for many customers whose systems support a large number of external users or have infrequent internal users. The following scalable usage model is used to determine the required User Value Units (UVU) to purchase. Licensee must obtain the appropriate number of UVU entitlements based on the type of user given access to the program. The type of users:

- An internal user is a unique person who is given access to the program that is part of, a contractor performing work on behalf of, or an employee of the licensee. Each internal user equals one user for the purpose of calculating User Value Units.
- An external user is a unique person that is given access to the program that is not part of, a contractor performing work on behalf of, or an employee of the licensee. A ratio of 15 external users equals 1 user for the purpose of calculating User Value Units.
- An infrequent internal user is an internal user who accesses the program less than five times a year. Infrequent internal users must be grouped so as to be trackable and auditable. A ratio of 15 infrequent internal users equals 1 user for the purpose of calculating User Value Units.

Users are added up and the volume tiering table is then utilized to calculate the total User Value Units entitlements required.

Note: Tivoli Identity and Access Assurance V1.1 requires a minimum order quantity of 5,000 users.

Example 1

A large enterprise is required to manage and protect 12,000 users on their internal network.

The initial targets they want to manage are as follows:

- 12,000 internal users of LDAP and who access Web applications from HTTP and Java 2 Platform Enterprise Edition (J2EE) application servers for SSO using Tivoli Unified Single Sign-On and Lotus Notes® using Tivoli Identity Manager.

Calculate User Value Units

The customer would purchase 8,500 User Value Units of Tivoli Identity and Access Assurance V1.1. Refer to the calculation below based on the scalable usage model referenced above.

Pricing metric	Users required in customer environment (A)	User Value Units required of Tivoli Identity and Access Assurance V1.1 1,000 users (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000
Tier 2	7,000	500	3,500
Tier 3		300	
Tier 4		200	
User total	12,000	User Value Units required of Tivoli Identity and Access Assurance V1.1	8,500

Example 2

Similar to Example 1, a large enterprise is required to manage and protect up to 12,000 users on their internal network. However, this time the large enterprise has a difference in users to manage on the targets they plan to manage.

The initial targets they want to manage are as follows:

- 12,000 internal users of LDAP and who access Web applications from HTTP and Java 2 Platform Enterprise Edition (J2EE) application servers for SSO using Tivoli Unified Single Sign-On and 10,000 internal users of Lotus® notes using Tivoli Identity Manager.

Calculate User Value Units

The customer would purchase 8,500 User Value Units of Tivoli Identity and Access Assurance V1.1. Refer to the calculation below based on the scalable usage model referenced above.

Pricing metric	Users required in customer environment (A)	User Value Units required of Tivoli Identity and Access Assurance V1.1 1,000 users (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000
Tier 2	7,000	500	3,500
Tier 3		300	
Tier 4		200	
Total users	12,000	User Value Units required of Tivoli Identity and Access Assurance V1.1	8,500

The point to showcase here is that while the large enterprise has a lower number of users to manage for Lotus Notes, they are required to purchase the higher of the two user counts they need to manage to be in compliance with their license.

Example 3

A large enterprise is required to manage and protect up to 12,000 company employees or internal users and 1,500,000 external users. The total users are calculated as follows:

- 12,000 internal users = 12,000/1 = 12,000 users
- 1,500,000 external users = 1,500,000/15 = 100,000 users
- The large enterprise must add these users together since they all plan to use LDAP and Active Directory for both Tivoli Identity Manager and Tivoli Unified Single Sign-On. As a result, they need to purchase 112,000 users of IBM Tivoli Identity and Access Assurance V1.1.

Calculate User Value Units

The customer would purchase 32,900 User Value Units of Tivoli Identity and Access Assurance V1.1. Refer to the calculation below based on the scalable usage model referenced above.

Pricing metric	Users required in customer environment (A)	User Value Units required of Tivoli Identity and Access Assurance V1.1 (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000
Tier 2	10,000	500	5,000
Tier 3	35,000	300	10,500
Tier 4	62,000	200	12,400
Total users	112,000	User Value Units required of Tivoli Identity and Access Assurance V1.1	32,900

Additionally, in each example, the customer is entitled to use Tivoli Access Manager for Operating Systems and Tivoli Security Information and Event Manager only as follows:

- Tivoli Access Manager for Operating Systems can be used to protect access to any servers on which these components are installed: Tivoli Identity Manager, Tivoli Unified Single Sign-On, and Tivoli Security Information and Event Manager.
- Tivoli Access Manager for Operating Systems also can be used to protect access to those operating systems, applications, and databases that have the users managed by Tivoli Identity Manager or Tivoli Unified Single Sign-On.
- Tivoli Security Information and Event Manager can be used to monitor these components: Tivoli Identity Manager, Tivoli Unified Single Sign On, and Tivoli Access Manager for Operating Systems.
- Tivoli Security Information and Event Manager also can be used to monitor those operating systems, applications, and databases that have the users managed by Tivoli Identity Manager or Tivoli Unified Single Sign-On.

IBM Tivoli Unified Single Sign-On V1.1

The following scalable usage table is used to determine the required User Value Units (UVU) to purchase. Licensee must obtain the appropriate number of UVU entitlements based on the type of user given access to the program. The type of users:

- An internal user is a unique person who is given access to the program that is part of, a contractor performing work on behalf of, or an employee of the licensee. Each internal user equals one user for the purpose of calculating User Value Units.
- An external user is a unique person that is given access to the program that is not part of, a contractor performing work on behalf of, or an employee of the licensee. A ratio of 15 external users equals 1 user for the purpose of calculating User Value Units.
- An infrequent internal user is an internal user who accesses the program less than five times a year. Infrequent internal users must be grouped so as to be trackable and auditable. A ratio of 15 infrequent internal users equals 1 user for the purpose of calculating User Value Units.

Users are added up and the volume tiering table is then utilized to calculate the total User Value Units entitlements required.

Scenario 1

Transaction 1

A financial services company has 20,000 employees in 15 countries worldwide, half of them in the Americas. Last year, the company implemented an intranet for their

Americas employees. At that time, they purchased entitlements for 10,000 internal users for Tivoli Access Manager for e- business. User Value Units required are as follows:

Pricing metric	User quantity in customer environment (A)	User Value Units per 1,000 users (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000
Tier 2	5,000	500	2,500
Tier 3		300	
Total users	10,000	New User Value Units required of Tivoli Access Manager	7,500

Transaction 2

The following summer, the company decided to expand their Web SSO capabilities to the approximately 10,000 full-time employees of their affiliated companies outside the Americas (greater than 50% owned by the parent company). The objective is to ensure that an employee of the company can automatically log in to online systems of their affiliates through federation.

To overcome these issues, the company is looking at plans to deploy Tivoli Federated Identity Manager to enable employees federated access to affiliate systems, and further plans to deploy Tivoli Access Manager for Enterprise Single Sign-On to alleviate password and login issues. In evaluating all alternatives, the customer decided to deploy unified SSO for all its employees, using the following configuration:

- Upgrade their 10,000 user entitlements for Tivoli Access Manager for e-business to Tivoli Unified Single Sign-On by purchasing the trade-up part numbers from Tivoli Access Manager for e-business to Tivoli Unified Single Sign-On.
- Purchase additional entitlements of Tivoli Unified Single Sign-On for the remaining 10,000 users worldwide.

Note: Each internal user equals one user for the purpose of calculating User Value Units to order.

The customer would trade up their 7,500 User Value Units of Tivoli Access Manager for e-business to Tivoli Unified Single Sign-On to entitle their 10,000 internal users. They would then purchase an additional 4,000 User Value Units of Tivoli Unified Single Sign-On to entitle their entire environment (remaining 10,000 users for a total of 20,000 users). The estimate of User Value Units to purchase are as follows.

Tivoli Unified Single Sign-On

Pricing metric	User quantity in customer environment (A)	User Value Units per 1,000 users (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000
Tier 2	10,000	500	5,000
Tier 3	5,000	300	1,500
Total users	20,000	User Value Units required of Tivoli Unified Single Sign-On	11,500
Previous users user total	10,000	Less trade-up User Value Unit purchases from Transaction 1	(7,500)

Additional User 4,000
 Value Units
 required of
 Tivoli Unified
 Single Sign-On

Tivoli Access Manager for Unified Single Sign-On pricing scenario 2

A pan-European insurance provider, specializing in disability insurance, has grown through acquisitions of mid-size insurance agencies. Through its acquisitions, it has grown from 10,000 agents to a large network of 20,000 full-time agents and another 30,000 part-time contract agents.

Because of its aggressive acquisition strategy, this customer has inherited a complex heterogeneous infrastructure with many, often duplicate, applications. Employees need to log in to an average of more than 10 applications, and adhere to often conflicting password policies.

Transaction 1

To improve user satisfaction and password security, the customer deployed Tivoli Access Manager for Enterprise Single Sign-On last year to 10,000 of its full time agents. As per previous examples, these 10,000 internal users (employees) required the purchase of 7,500 User Value Units in order to entitle these agents. (Note: Each internal user equals one user for the purpose of calculating User Value Units to order).

Transaction 2

With the recent availability of Tivoli Unified Single sign-On, this customer decided to not only extend enterprise SSO to all its full-time agents, but also deploy an extranet for all its part-time agents.

The customer is looking to do the following to entitle their environment:

- Trade up their 7,500 User Value Units of Tivoli Access Manager for Enterprise Single Sign-On that currently entitles 10,000 existing internal users (10,000 users), to Tivoli Unified Single Sign-On.
- Purchase Tivoli Unified Single Sign-On entitlements for the remaining 10,000 internal users (full-time agents, again at 1:1). This would equate to another 10,000 users.
- Purchase entitlements for the remaining 30,000 external users (part-time contract agents), also for Tivoli Unified Single Sign-On. When calculating users to charge for, 15 external users equals 1 user to charge for. In this case, the 30,000 part-time contract agents would equal 2,000 users for calculating User Value Units to order.

For calculating User Value Units, the internal users to charge for (at 1:1) and the external users to charge for (at 15:1) must be added together before entering into the scaleable tiering table. The insurance company must entitle 22,000 users.

The customer would trade up their 7,500 User Value Units of Tivoli Access Manager for Enterprise Single Sign-On to Tivoli Unified Single Sign-On. They would then purchase an additional 4,600 User Value Units of Tivoli Unified Single Sign-On to entitle their entire environment of 22,000 users (20,000 full-time internal and 30,000 part-time external).

The estimate of User Value Units to purchase are as follows.

Tivoli Unified Single Sign-On

Pricing metric	User quantity in customer environment (A)	User Value Units per 1,000 users (B)	User Value Units required ((A) * (B))/1,000
Tier 1	5,000	1,000	5,000

Tier 2	10,000	500	5,000
Tier 3	7,000	300	2,100
Total users	22,000	User Value Units required of Tivoli Unified Single Sign-On	12,100
Previous users total	10,000	Less trade-up User Value Unit purchases from Transaction 1	(7,500)
		Additional User Value Units required of Tivoli Unified Single Sign-On	4,600

Other information

In order to enable existing customers to take advantage of the savings available by purchasing Tivoli Unified Single Sign-On, trade ups to Tivoli Unified Single Sign-On are available from the following Tivoli per User Value Unit priced products:

- Tivoli Federated Identity Manager
- Tivoli Access Manager for e-business
- Tivoli Access Manager for Enterprise Single Sign-On Suite

Refer to the [Reference information](#) section for information about pricing examples for the other products in this announcement.

Ordering information

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

Product group: IBM Tivoli Security		
Product Identifier	Description	PID
IBM Tivoli Security Policy Manager V7.1		5724-S24
IBM Tivoli Access Manager for e-business V6.1.1		5724-C87
IBM Tivoli Federated Identity Manager V6.2.1		5724-L73
IBM Tivoli Federated Identity Manager V6.2.1		5724-Q82
Business Gateway		
IBM Tivoli Identity and Access Assurance V1.1		5724-X91
IBM Tivoli Unified Single Sign-On V1.1		5724-W01

Product category: Security Event Management

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.

Entitled maintenance offerings description	Part number
IBM TIVOLI ACCESS MANAGER FOR E-BUSINESS V6.1.1 CD MP ML	BJ0VCML
IBM TIVOLI FEDERATED IDENTITY MGR V6.2.1 MEDIA CD MP ML	BJ0VBML
IBM TIVOLI FEDERATED ID BGWAY MGR V6.2.1 MEDIA CD MP ML	BJ0VAML
IBM TIV FIM BGWAY SINGLE PARTNER V6.2.1 MEDIA CD ML	BJ0VJML
TIVOLI SECURITY POLICY MANAGER 7.1 DVD ML MP MEDIA PACK	BJ0V9ML
TIVOLI UNIFIED SINGLE SIGN-ON V1.1 CD MP ML MEDIA PACK	BJ0V8ML
TIVOLI IDENTITY AND ACCESS ASSURANCE 1.1 MEDIA PACK CD MP ML	BJ0V7ML

Current licensees

Current licensees, with support in effect, will receive instructions on how to order this update.

Current licensees of the products in this announcement can order the new distribution medium via MES by specifying the desired distribution medium feature number.

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage

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

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

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

IBM Tivoli Security Policy Manager V7.1

Description	Part number
Tivoli Security Policy Mgr Data Entitlement Proc VU Lic + SW S&S 12 Mo	D06NTLL
Tivoli Security Policy Mgr Data Entitlement Proc VU Annual SW S&S Rnw1	E05XQLL
Tivoli Security Policy Mgr Data Entitlement Proc VU SW S&S Reinstate 12 Mo	D06NVLL
Tivoli Sec Policy Mgr Run-time Srv Resource VU Lic + SW S&S 12 Mo	D06NYLL
Tivoli Sec Policy Mgr Run-time Srv Resource VU Annual SW S&S Rnw1	E05XULL
Tivoli Sec Policy Mgr Run-time Srv Resource VU SW S&S Reinstate 12 Mo	D06NZLL
Tiv Security Poli Mgr Data Entitmt PVU Linux Sys z Lic + SW S&S 12 Mo	D0AUHLL
Tiv Security Poli Mgr Data Entitmt PVU Linux Sys z Annual SW S&S Rnw1	E07P4LL
Tiv Security Poli Mgr Data Entitmt PVU Linux Sys z SW S&S Reinstate 12 Mo	D0AUILL
Tiv Security Poli Mgr Runtime Srv RVU Linux Sys z Lic + SW S&S 12 Mo	D0AUJLL
Tiv Security Poli Mgr Runtime Srv RVU Linux Sys z Annual SW S&S Rnw1	E07P5LL

Tiv Security Poli Mgr Runtime Srv RVU D0AULLL
Linux Sys z SW S&S Reinstate 12 Mo

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

Description	Part number
TIVOLI SECURITY POLICY MANAGER 7.1 DVD MP ML MEDIA PACK	BJ0V9ML

IBM Tivoli Access Manager for e-business V6.1.1

Description	Part number
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Linux on z Annual Sw Maint RnwI	E02B1LL
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Linux on z Lic+Sw Maint 12 Mo	D56PSLL
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Linux on z Sw Maint Reinstate 12 Mo	D56PTLL
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Annual Sw Maint RnwI	E025XLL
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Lic+Sw Maint 12 Mo	D55X7LL
IBM Tivoli Access Mgr for e-bus Unlimited User Option Processor Value Unit Sw Maint Reinstate 12 Mo	D55X8LL
Tivoli Access Manager for e-business User Value Units Annual SW Maint RnwI	E04NFL
Tivoli Access Manager for e-business User Value Units Lic+Sw Maint 12 Mo	D03RLL
Tivoli Access Manager for e-business User Value Units Sw Maint Reinstate 12 Mo	D03RML
Tiv Access Mgr eBus Unltd Opt PVU Linux Sys z Lic + SW S&S 12 Mo	D0AUTLL
Tiv Access Mgr eBus Unltd Opt PVU Linux Sys z Annual SW S&S RnwI	E07P9LL
Tiv Access Mgr eBus Unltd Opt PVU Linux Sys z SW S&S Reinstate 12 Mo	D0AUSLL
Tiv Access Mgr eBus Unltd Opt User VU Linux Sys z Lic + SW S&S 12 Mo	D0AUVLL
Tiv Access Mgr eBus Unltd Opt User VU Linux Sys z Annual SW S&S RnwI	E07PALL
Tiv Access Mgr eBus Unltd Opt User VU Linux Sys z SW S&S Reinstate 12 Mo	D0AUULL

Passport Advantage trade up

Below is a list of precursor products for which you must have already acquired a license in order to be eligible to acquire equivalent licenses using the trade-up part numbers.

Precursor product	Trade-up product	Trade-up part number
Tivoli Access Manager for e-business User VU	Tivoli Federated Mgr User VU Trade-up License and SW S&S 12 Months	D0434LL
Tivoli Access Manager for e-business Processor VU	IBM Tivoli Federated Identity Manager Unlimited User Option Processor Value Unit (PVU) and SW S&S 12 Mo	D56NYLL
IBM Tivoli Federated	IBM Tivoli Federated Identity	D612PLL

Identity Manager Business Gateway for Single Partner Server	Manager Business Gateway Server Trade-up license and SW S&S 12 Mo	
Tivoli Access Manager for e-business	IBM Tivoli Unified Single Sign-On User VU Trade-Up License and SW S&S 12 Mo	D06DWLL
Tivoli Federated Identity Manager	Tivoli Unified Single Sign-On UserVU Trade-Up License and SW S&S 12 Mo	D06DULL

Consult your IBM representative if you have any questions.

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 ACCESS MANAGER FOR E-BUSINESS V6.1.1 CD MP ML	BJ0VCML

IBM Tivoli Federated Identity Manager V6.2.1

Description	Part number
Tivoli Federated Identity Manager User Value Unit Lic and SW S&S 12 Months	D0432LL
Tivoli Federated Identity Manager User Value Unit Annual SW S&S Renewal	E04TXLL
Tivoli Federated Identity Manager User Value Unit SW S&S Reinstatement 12 Months	D0433LL
IBM Tivoli Federated Identity Manager Unlimited User Option Processor Value Unit (PVU) Annual SW S&S Renewal	E0277LL
IBM Tivoli Federated Identity Manager Unlimited User Option Processor Value Unit (PVU) License and SW S&S 12 Months	D55ZJLL
IBM Tivoli Federated Identity Manager Unlimited User Option Processor Value Unit (PVU) SW S&S Reinstatement 12 Months	D55ZKLL
IBM Tivoli Federated Identity Manager Unlimited User Option for Linux on Z Processor Value Unit (PVU) Annual SW S&S Renewal	E025YLL
IBM Tivoli Federated Identity Manager Unlimited User Option for Linux on Z Processor Value Unit (PVU) License and SW S&S 12 Months	D55X9LL
IBM Tivoli Federated Identity Manager Unlimited User Option for Linux on Z Processor Value Unit (PVU) SW S&S Reinstatement 12 Months	D55XALL
IBM Tivoli Federated Identity Manager User VU Linux Sys z Lic + SW S&S 12 Mo	D0AUNLL
IBM Tivoli Federated Identity Manager User VU Linux Sys z Annual SW S&S Rnw	E07P7LL
IBM Tivoli Federated Identity Manager User VU Linux Sys z SW S&S Reinstatement 12 Mo	D0AUPLL

IBM Tivoli Federated Identity Manager Business Gateway

Description	Part number
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IBM Tivoli Federated Identity Manager Business Gateway Server License and SW S&S 12 Months	D59UYLL
IBM Tivoli Federated Identity Manager Business Gateway Server SW S&S Reinstatement 12 Months	D59UZLL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner User License and SW S&S 12 Months	D6123LL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner Server License and SW S&S Reinstatement 12 Months	D6124LL
IBM Tivoli Federated Identity Manager Business Gateway Server Annual SW S&S Renewal	E035CLL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner Server Annual SW S&S Renewal	E03TNLL
IBM Tivoli Federated Identity Manager Business Gateway Svr Linux Sys z Lic + SW S&S 12 Mo	D0AU5LL
IBM Tivoli Federated Identity Manager Business Gateway Svr Linux Sys z Annual SW S&S Rnw1	E07NYLL
IBM Tivoli Federated Identity Manager Business Gateway Svr Linux Sys z W S&S Reinstat 12 Mo	D0AU6LL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner Svr Linux Sys z Lic + SW S&S 12 Mo	D0AU7LL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner Svr Linux Sys z Annual SW S&S Rnw1	E07NZLL
IBM Tivoli Federated Identity Manager Business Gateway for Single Partner Svr Linux Sys z SW S&S Reinstat 12 Mo	D0AU8LL

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 FEDERATED IDENTITY MGR V6.2.1 MEDIA CD MP ML	BJ0VBML
IBM TIVOLI FEDERATED IDENTITY BUSINESS GATEWAY V6.2.1 MEDIA CD MP ML	BJ0VAML
IBM TIVOLI FEDERATED IDENTITY BUSINESS GATEWAY FOR SINGLE PARTNER V6.2.1 MEDIA CD MP ML	BJ0VJML

The ordering information for IBM Tivoli Federated Identity Manager for z/OS (5698-B28) has not changed, therefore, ordering information is not included in this announcement. For more information, refer to the [Reference information](#) section.

IBM Tivoli Identity and Access Assurance V1.1

Description	Part number
Tivoli Identity and Access Assurance UVUS Lic + SW S&S 12 Mo	D093YLL
Tivoli Identity and Access Assurance UVUS Annual SW S&S Rnw1	E06WHLL
Tivoli Identity and Access Assurance UVUS SW S&S Reinstat 12 Mo	D093ZLL
Tiv Identity Access Assurance User VU Linux Sys z Lic + SW S&S 12 Mo	D0AUDLL
Tiv Identity Access Assurance User VU Linux Sys z Annual SW S&S Rnw1	E07P2LL

Tiv Identity Access Assurance User VU D0AUPELL
Linux Sys z SW S&S Reinstate 12 Mo

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

Description	Part number
TIVOLI IDENTITY AND ACCESS ASSURANCE 1.1 DVD and CD MP ML MEDIA PACK	BJ0V7ML

IBM Tivoli Unified Single Sign-on V1.1

Description	Part number
Tivoli Unified Single Sign-On User VU Lic + SW S&S 12 Mo	D06DSSL
Tivoli Unified Single Sign-On User VU Annual SW S&S RNWL	E05TNLL
Tivoli Unified Single Sign-On User VU SW S&S Reinstate 12 Mo	D06DTLL
Tiv Unified Single Sign-On User VU Linux Sys z Lic + SW S&S 12 Mo	D0AUFL
Tiv Unified Single Sign-On User VU Linux Sys z Annual SW S&S Rnw	E07P3LL
Tiv Unified Single Sign-On User VU Linux Sys z SW S&S Reinstate 2 Mo	D0AUGLL

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

Description	Part number
TIVOLI UNIFIED SINGLE SIGN-ON V1.1 DVD AND CD ML MEDIA PACK	BJ0V8ML

The products are also available, via Web download, from Passport Advantage.

Withdrawal of Passport Advantage part numbers

The following Passport Advantage part numbers will be withdrawn on June 18, 2010:

Description	Part number
IBM Tivoli Access Manager for e-business for Multiplatforms Version 6.0 Multilingual CD ROM	BJ0G4ML
IBM Tivoli Federated Identity Manager Multiplatforms Version 6.1 Multilingual CD ROM Media Pack	BJ0IFML
IBM Tivoli Federated Identity Manager Business Gateway for Multiplatforms Version 6.1 Multilingual CD ROM Media pack	BJ0JNML

Subscription and Support

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

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

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

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

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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.

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License Information form number

IBM Tivoli Security Policy Manager V7.1 - L-JSCK-824KEB
IBM Tivoli Access Manager for e-business V6.1.1 - L-JSCK-7TXPWN
IBM Tivoli Federated Identity Manager V6.2.1 - L-JSCK-82YQ86
IBM Tivoli Federated Identity Manager Business Gateway V6.2.1 - L-JSCK-84ATHC
IBM Tivoli Federated Identity Manager for z/OS V6.2.1 - L-JSCK-83YSKX
IBM Tivoli Identity and Access Assurance V1.1 - L-JSCK-82HQL9

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

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

Limited warranty applies

Yes

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).

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Technical support of a program product will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. 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, 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.

Authorization for use on home/portable computer

You may not copy and use this program on another computer without paying additional license fees.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

Yes, and through the Passport Advantage Web site at

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

Usage restriction

Yes. Usage is limited to the quantity of value units licensed.

For additional information, refer to the License Information document that is available on the IBM Software License Agreement Web site

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

Software Subscription and Support (Software Maintenance) 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 (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.

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While your Software Subscription and Support (Software Maintenance) is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Handbook at

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

Software Subscription and Support (Software Maintenance) does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage Web site at

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

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

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Prices

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

<https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller>

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

In the Electronic tools category, select the option for Purchase/upgrade tools.

Passport Advantage

For Passport Advantage and charges, contact your IBM representative or your authorized IBM Business Partner. Additional information is also available at

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Order now

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Phone: 800-IBM-CALL (426-2255)
Fax: 800-2IBM-FAX (242-6329)

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For IBM Business Partner: pwswna@us.ibm.com

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Canada L3R 2Z1

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