IBM Tivoli Identity Manager V5.0 helps enterprises strengthen and automate internal controls governing user access rights

At a glance

IBM Tivoli Identity Manager helps you:

Increase user and IT efficiency and

- Cut elapsed turn-on time for new accounts

- Improve productivity by allowing end users to rapidly reset and synchronize their own passwords

- Reduce error-prone manual entry by automating user submission and approval requests

Reduce IT administration costs and

- Decrease help desk calls by providing intuitive, customizable Web self-care interfaces to perform password changes and request new access rights

- Lower overhead costs by automatically managing accounts, credentials, and access rights throughout the user lifecycle

- Accelerate on-boarding of new applications and new users via preconfigured policies, templates, and easy-to-use delegated administration interface

Address policy compliance needs and

- Produce centralized reports on security policy, access rights, and audit events to quickly respond to internal audits and regulatory mandates

- Correct and remove non-compliant access rights through periodic recertification workflows or automatically via role-based access control policies

- Obtain intelligence and recommended actions on policy compliance issues, eliminating the need to manually review policies

Overview

IBM Tivoli® Identity Manager V5.0 provides a secure, automated, and policy-based solution that helps effectively manage user accounts, access permissions, and passwords from creation to termination across IT environments. It helps automate the processes of creating and provisioning or de-provisioning user privileges across heterogeneous IT resources throughout the entire user lifecycle.

IBM Tivoli Identity Manager V5.0 can help increase user efficiency, reduce IT administration costs, and manage compliance with your security policies (compliance) with centralized user account maintenance (including self-service interfaces), delegated

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administration, automated approvals processing, periodic revalidation of user access rights, documentation of controls, and other standard reports.

IBM Tivoli Identity Manager V5.0 enhancements help to bridge the gap between how business users view their IT resources and the actual IT implementation of user access rights, maximize productivity of the various groups of users involved in identity management, and greatly accelerate and simplify system deployment and ongoing administration.

Key new features in IBM Tivoli Identity Manager V5.0:

- Comprehensive request-based provisioning for end users, managers, or delegated administrators to easily request (with approval workflow) user access to roles, accounts or fine-grained Access Entitlements such as shared folders and Web portlets

- Streamlined self-service interface for end users that can be easily customized to your organization's look and feel, and integrated with corporate portals, to help improve user productivity and reduce administrative cost

- Enhanced access rights recertification provides more granular, auditor-friendly details for compliance and policies that can be easily configured using wizards and templates

- New "read only" mode for auditors, additional compliance-related reports, custom report builder, and integration with Tivoli Compliance Insight Manager for audit reports that map to regulations and best practices

- Redesigned management console with out-of-the box wizards, templates, and best practices to accelerate deployments and reduce the learning curve of new users

- Rapid addition of new managed services via pre-installed adapters, wizard driven templates, account defaults, and manual services

- Highly customizable user interface improves productivity and includes out-of-the box configurations for auditors, end users, managers, help desk, application owners, and administrators

- Simplified installation and fixpack application utilities, including an all-in-one install wizard, middleware configuration utility, and streamlined fixpack installer

- Automated utility to upgrade from IBM Tivoli Identity Manager Express V4.6 to IBM Tivoli Identity Manager V5.0

Key prerequisites

For details, refer to the Hardware requirements and Software requirements sections.

Planned availability dates

- December 12, 2007: Electronic software delivery

- January 11, 2008: Media and documentation

Description

Key new features in IBM Tivoli Identity Manager V5.0

Highly customizable self-service user interface can be easily modified to match intranet and extranet portal look and feel. It provides users with a wide range of self-service options to manage their role membership, access rights, passwords, personal information, and approval tasks, such as:

- End users and line of business managers can view current access rights, personal profile information, and status of pending requests; request new access to roles, accounts, or fine-grained Access Entitlements (for example, shared folders or LDAP groups); update profile information; change or reset passwords; and take action on management tasks such as approving new access rights or recertifying existing access rights for an employee.

- Customize the look and feel of the self-service user interface and easily integrate into existing intranet or extranet. Custom modification of the user interface is done via style sheets and on/off configuration options such as whether or not to show navigation "bread crumbs", header

banner, and so forth. This allows extensive customization of the user interface while providing an upgrade friendly set of customizations that do not need to be implemented again during future software upgrades.

- Comprehensive request-based provisioning for end users, managers, or delegated administrators to easily request user access to roles, accounts, or fine-grained Access Entitlements such as shared folders, mail lists, LDAP groups, application modules, and Web portlets.

Automated audit readiness with fine-grained access rights recertification, additional prebuilt reports, new custom report builder, direct auditor access to reports, and mapping of low-level IT entitlements into business-friendly descriptions of what a user can actually do with his or her access, such as:

- Greatly simplified access rights recertification policy management with the addition of a configuration wizard and best practices templates to quickly set up frequently used scenarios such as "access to the financial data warehouse must be approved by an employee's manager once a quarter". Advanced workflows and business processes can be modeled using the Web-based graphical workflow designer for greater flexibility. Access rights recertification can be used to quickly conduct compliance attestation for a large number of IT resources using Manual Services, in addition to IT resources that are integrated with a provisioning adapter.

- Access Entitlements provide business managers and auditors with a more business-friendly description of what a user can actually do with his or her access rights for better decision making in new access approval requests, recertification and audit reviews. For example, an LDAP group membership may give a user access to a sensitive Web application, but an auditor may not be able to discern what a user could do with an LDAP account or even with that group membership in particular. With Access Entitlements, administrators can take a fine-grained resource like an LDAP group, apply a meaningful description to it (for example, "Data Warehouse Web Reports for Financial Managers"), categorize it for quick reference and search (for example, Web Applications versus Shared Folders), assign an owner to each fine-grained resource, define unique approval and recertification workflows, and provide detailed reports on these resources.

- New "read only" mode for auditors allows auditor access to the system to view all reports, refer to system configuration and in-process activities — all without providing the ability for auditors to modify the system.

- Additional compliance related reports are available such as manager recertification status, dormant accounts, and fine-grained Access Entitlements.

- Newly bundled Tivoli Common Reporting module provides custom report authoring, report distribution, report scheduling capabilities, and the ability to run and manage reports from multiple IBM Tivoli products.

- Integration with Tivoli Compliance Insight Manager for audit reports that map to regulations and best practices is supported.

Innovative, redesigned administrative console can reduce the learning curve of new and occasional users, while helping improve the efficiency of power users and administrators. Introduces new:

- Optimized user interface layouts and tasks to enhance productivity for the various types of users who need to interact with Tivoli Identity Manger. Includes out-of-the-box configurations for auditors, end users, managers, help desk associates, application owners, and administrators. Easily modify user interface views through simple check-boxes and create custom views for other types of users to fit your business needs.

- Redesigned management console that includes out of the box wizards, templates, and best practices to help accelerate deployments and reduce the learning curve of new users.

- Rapid on-boarding of new managed services via pre-installed adapters, wizard driven templates, account defaults that can maximize management efficiency for prolific services (for example, Linux™ servers), and manual services that can quickly provide accountability and an audit trail without the use of an adapter.

Simplified installation options and configuration utilities can reduce initial deployment effort and can lower cost of ongoing maintenance operations by delivering:

- Rapid installation option that provides a complete Tivoli Identity Manager installation, including

all middleware, on a single server. Perfect for development environments and low volume production scenarios, this single DVD option provides a launch pad installer that collects relevant settings and guides you through the installation process with a minimum number of clicks.

- Simplified installation and configuration of distributed, multinode production and quality assurance environments though the new middleware configuration utility that prepares and configures underlying IBM middleware for use with Tivoli Identity Manager.

- Reduce time and manual work to apply fixpacks with the new incremental fixpack installer. Tivoli Identity Manager V5.0 uses the standard WebSphere® fixpack installation process to provide only the necessary changes to Tivoli Identity Manager and maintains all your custom configurations, translations, and other settings.

- Automated utility for Tivoli Identity Manager Express V4.6 installations to upgrade to Tivoli Identity Manager V5.0 allows you to start with the identity management that makes the most sense for your environment, with the full confidence that you can upgrade from Tivoli Identity Manager Express to Tivoli Identity Manager as your business grows.

Other new features:

- Preconfigured standard human resources feeds (CVS, Win AD, LDAP)

- Newly published APIs: Provisioning Policy, Group, ACI

- Additional Tivoli Directory Integrator based adapters for improved flexibility: Tivoli Access Manager, Siebel, PeopleSoft, i5/OS™, Oracle ERP

- Subform support provided for extending capabilities within administrative console

- IPv6 support

- FIPS compliance and cipher migration utility provided

- Accessibility support

- Upgrade from Tivoli Identity Manager V4.6 to V5.0

Overall features and benefits

Password self-service reset helps improve user productivity and reduce help desk costs:

- Allows new or existing users to synchronize and reset their own passwords

- Frees help desk to pursue other initiatives

Access request management provides a quick start option to streamline user provisioning:

- Can search for and request new roles, accounts, or fine-grained Access Entitlements (for example, folders and groups), initiating powerful approval workflows

- Helps eliminate archaic paper trail methods, which often are slow and difficult to audit

- Centralizes and controls internal and external user access rights in a unified repository

- Monitors enterprise-wide access rights across all platforms and business resources, constantly enforcing policy

Dynamic policy management engine automates user provisioning and aids in compliance efforts:

- Helps increase efficiency and speed of policy-based provisioning by defining policy-based privileges and quickly assigning users to their roles.

- Helps free IT staff from access rights administration tasks through automation.

- Allows an organization to enforce a consistent set of business rules for the creation of user access privileges, account IDs, and passwords on provisioned resources.

- Applies role-based access control (RBAC) through association of user roles with policies, enabling them to be effectively applied to groups of users.

- Dynamically detects the changes and automatically modifies user access privileges to help ensure that the latest policies are correctly enforced.

- Routes sensitive policy non-compliance issues to an authority via a to-do item for further investigation, via compliance intelligence and remediation workflow, in addition to the standard options (flag, suspend, correct) of managing policy violations.

- Uses "What if" policy simulation that lets you graphically understand the impact of provisioning policy changes on your users' account rights before committing to changes in production.

Access rights reconciliation, recertification, and reporting to address audit requirements:

- Automatically load and reconcile account data from existing provisioning targets, for example, Windows® and Oracle

- Identify and eliminate dormant, and orphan and ghost accounts that are a major security risk and audit concern

- Can automatically detect and repair access policy violations, via "Closed loop" reconciliation, which occur due to erroneous changes made directly on a managed resource's administrative console

- Easily configure and initiate periodic access recertification workflows to remove access no longer needed and meet auditor requirements for management review

- Simplify auditing and reporting with centralized, embedded report generation and additional integration with Tivoli Compliance Insight Manager

- Maintains records of changes, deletions, additions, and other information related to access rights for auditing purposes — including all administrative actions

Broad support for system adapters to accelerate installation of new applications:

- Delivers broad support of system adapters, which facilitates the provisioning of user accounts to computing resources

- Supports wide range of system adapters, which provides the ability to add, delete, change, suspend, restore, and reconcile user accounts

- Promotes SSL-based, Internet-friendly adapter-server communications to help protect against "man in the middle" attacks on the system

- Easily integrates, with homegrown or niche systems, through Rapid Adapter Development Tool

Scalable, fault tolerant, and internalized architecture:

- Based on application server technology that provides a highly scalable and fault-tolerant platform for the enhanced provisioning technology

- Can be deployed on redundant servers in a software cluster that supports failover and load balancing for scalability

- Delivers scalability for large communities, extending the reach of Tivoli Identity Manager to the virtual enterprise that can include not only employees, but also contractors and Business Partners

- Is both internationalization, and localization so that each user can interact with the user interface, e-mail notifications, password reset questions, error messages, and help content in his or her preferred language

- Policy and configuration import/export: Can save administrative time and reduce error-prone manual configuration by automatically migrating all of your policies and key configuration settings between your development, quality assurance, and production environments

A powerful workflow and policy engine can be configured in either "simple" or "advanced" mode:

- Simple mode uses predefined best practice templates to implement basic provisioning, recertification, and compliance alert workflows in "simple mode". Configuration and setup is easy using only drop down lists, check boxes, and radio buttons — no scripting or programming knowledge is required.

- For more extensive business process customization, "advanced mode" provides a graphical drag-and-drop workflow designer to organize quickly and easily develop workflow processes to support the organization's provisioning policies. For example, the workflow engine supports

the creation of both parallel and serial approval processes, and also checkpoints in a workflow process to allow the input of additional provisioning information.

IBM Tivoli Identity Manager V5.0 Adapters

To provision and maintain user accounts in systems, Tivoli Identity Manager relies on its adapters. The adapters use APIs to remotely manage user accounts in systems such as operating systems, relational databases, PKI registration authorities, enterprise applications, and other security systems.

IBM offers core adapters for Tivoli Identity Manager server, at no additional charge, to help improve customer time to value and decrease deployment times. These adapters work with some of the most common IT infrastructure components including:

- IBM AIX® V5.2, and V5.3
- Entrust PKI 7
- HP-UX 11i, 11iv2, 11iv3
- HP-UX NIS 11i, 11iv2, 11iv3
- LDAP Directories
- Red Hat Enterprise Linux 4.0, 5.0
- SUSE Linux Enterprise Server 9, 10
- IBM Lotus Notes® 6.5, 7.0, 8.0
- Novell eDirectory (NDS) 8.8
- Oracle Database 9i, 10g
- RSA ACE Server 6.1, 6.2
- Sun Solaris 8, 9, 10
- Sun Solaris NIS 8, 9, 10
- Sybase Adaptive Server Enterprise 12.5
- IBM Tivoli Access Manager V5.1, V6.0
- IBM DB2 Universal Database® V8.1, V8.2
- Microsoft® Windows Active Directory 2003
- Microsoft Windows Local Account 2003, XP, Vista

These adapters, and their associated documentation, can be downloaded from the Passport Advantage® Web site. Visit

http://www.ibm.com/software/support/pa.html

IBM Tivoli Identity Manager also has two other groups of adapters that you can purchase to provision and maintain user accounts on additional applications and systems.

The first group contains adapters that interface with common enterprise resource planning applications and other commercial off-the-shelf applications. These are downloadable adapters. The name and part number are IBM Identity Manager Application per User Value Units License, SW Maintenance 12 Months (D61VSLL).

The second group of adapters provision and maintain user accounts on systems such as IBM RACF® and IBM System i™. These are downloadable adapters. The name and part number are IBM Tivoli Identity Manager Host Edition per User Value Units License, SW Maintenance 12 Months (D61VGLL).

Due to the constantly changing nature of these systems, adapters are updated frequently and are available through download only. For a current list of available adapters go to

http://www-306.ibm.com/software/sysmgmt/pro
ducts/support/IBMTivoliIdentityManager.html

IBM reserves the right to add or remove adapters from a group, move adapters between groups,

and add or remove adapter groups at any time without prior notice.

The following adapters, previously shipped with Identity Manager V4.6, are no longer available with Identity Manager V5.0. In addition, obsolete versions of several systems are no longer supported. Refer to the Installation and Configuration Guide of the individual adapters for additional details on supported versions.

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Withdrawn adapter              Upgrade path

AIX (agent-based) Adapter      Migrate to UNIX/Linux Adapter.
HP-UX (agent-based) Adapter    Migrate to UNIX/Linux Adapter.
Linux (agent-based) Adapter    Migrate to UNIX/Linux Adapter.
Solaris (agent-based) Adapter  Migrate to UNIX/Linux Adapter.
OS/400 (FTP) Adapter           Migrate to i5/OS Adapter.
RACF (FTP) Adapter             Migrate to RACF Adapter.
Cisco ACS Adapter              System is no longer supported as a
                               stand-alone adapter. ACS systems that
                               authenticate through Active Directory
                               can be managed by the schema extension
                               capabilities of the Active Directory
                               Adapter.
Informix Adapter               System is no longer supported.
                               Custom Tivoli Directory
                               Integrator-based adapter
OpenVMS Adapter                System is no longer supported.
                               Custom Tivoli Directory
                               Integrator-based adapter
Tru64 UNIX Adapter             System is no longer supported.
                               Custom Tivoli Directory
                               Integrator-based adapter
Windows 2000                   System is no longer supported.
                               Custom Tivoli Directory
                               Integrator-based adapter
Windows NT                     System is no longer supported.
                               Custom Tivoli Directory
                               Integrator-based adapter
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IPLA and Subscription and Support considerations

IPLA licenses can be transferred from one machine to another within, but not limited to an enterprise. You may aggregate the capacity for all the processors the product is operated on to achieve a more economic price. This will result in a single Proof of Entitlement (PoE). It is your responsibility to manage the distribution of Value Units within the limits of the entitlement of the product license.

Subscription and Support must cover the same capacity as the product license entitlement. Subscription and Support will be available in the country in which the agreement is made.

Product positioning

IBM Tivoli Identity Manager is an integral part of the IBM identity and access management solution. It provides policy-based automation to manage user identities and their access to heterogeneous information resources throughout the user lifecycle, while supporting key policy compliance and audit readiness requirements. IBM Tivoli Identity Manager integrates with IBM Tivoli Access Manager, IBM Tivoli Federated Identity Manager, IBM Tivoli Directory Integrator, and IBM Tivoli Directory Server — which are the other key parts of the IBM identity management and access solution including:

- Identity lifecycle management (user self-care, enrollment, and provisioning) — IBM Tivoli Identity Manager

- Identity control (access and privacy control, single sign-on, and auditing) — IBM Tivoli Access Manager for e-business and IBM Tivoli Access Manager for Enterprise Single Sign-on

- Identity federation (sharing user authentication and attribute information between trusted Web services applications) — IBM Tivoli Federated Identity Manager

- Identity foundation (directory, directory integration, and workflow) — IBM Tivoli Directory Integrator and IBM Tivoli Directory Server

Complementing the IBM Tivoli identity and access management solutions to form a comprehensive server and endpoint security management, audit, alerting, and reporting solution

are additional security and compliance management products from IBM:

- Policy compliance monitoring and reporting (audit trail collection, correlation, and reporting versus compliance mandates) — IBM Tivoli Compliance Insight Manager

- Real-time security event correlation and alerting (collects and correlates security events, warns of likely risks) — IBM Tivoli Security Operations Manager

- Server and endpoint security status auditing (checks and reports on security configuration policy compliance) — IBM Tivoli Security Compliance Manager

- UNIX® and Linux security control (access control, central policy management, and auditing for root users) — IBM Tivoli Access Manager for Operating Systems

- Mainframe security control (security policy administration, compliance, and auditing for RACF, CICS®, and System z™) — IBM Tivoli zSecure suite

The preceding solutions support IBM Service Management strategy to help you automate and standardize the way you design and integrate information technology management processes and the underlying management products that support you across separate departments within your enterprises.

Services with IBM Tivoli Identity Manager

IBM Software Group offers consulting services for Tivoli Identity Manager. Visit

http://www-306.ibm.com/software/tivoli/ser vices/consulting/offers-security.html#idmgr

IBM Global Services also offers identity management services that include Tivoli Identity Manager. Visit

http://www-935.ibm.com/services/u s/index.wss/offering/imc/a1023322

Availability of national languages

Tivoli Identity Manager is enabled for worldwide availability on the dates shown below.

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Product description   Language                GA date

Tivoli Identity       Multilingual (French,   January 11, 2008
 Manager V5.0.0        Russian, Hebrew,
                       Arabic, Korean,
                       Chinese --
                       Simplified, Spanish,
                       Portuguese-Brazilian,
                       German, Japanese,
                       Chinese --
                       Traditional,
                       Hungarian, English,
                       Greek, Czech,
                       Italian, Polish)
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Trademarks

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UNIX is a registered trademark of the Open Company in the United States and other countries.

Linux is a trademark of Linus Torvalds in the United States, other countries or both.

Other company, product, and service names may be trademarks or service marks of others.

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.

http://www-306.ibm.com/software/tivoli/education/

For information on IBM Tivoli Identity Manager, visit the following Web site

http://www.ibm.com/training

and search on Tivoli Identity Manager.

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

English and translated publications will be available at

http://publib.boulder.ibm.com/tividd/td/tdprodlist.html

English publications will be available at general availability.

Server publications (English):

IBM Tivoli Identity Manager V5.0:

– Messages Guide

– Installation and Configuration Guide

– Problem Determination Guide

– Database and Schema Reference

– Quick Start Guide

For information on IBM Tivoli Identity Manager Adapters publications, refer to the Description section of this announcement.

National language publications

National language publications will be available 60 days after general availability.

No publications are shipped with this product.

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.

Specified operating environment

Hardware requirements: IBM Tivoli Identity Manager V5.0 requires a minimum of:

- 2 GB RAM
- 20 GB disk storage

Software requirements: IBM Tivoli Identity Manager V5.0 requires one of the following operating systems:

- AIX® V5.3
- HP-UX 11iv2 (PA-RISC)
- Sun Server Solaris 10 (SPARC)
- Windows® Server 2003 R2 Standard Edition and Enterprise Edition
- Red Hat Linux™ Enterprise 4.0 for Intel®, System p™ and System z™
- Red Hat Linux Enterprise 5.0 for Intel, System p and System z
- SUSE Linux Enterprise Server 9.0 for Intel, System p and System z
- SUSE Linux Enterprise Server 10.0 for Intel, System p and System z

Prerequisite releases for optional databases and servers

Databases:

- IBM DB2® Enterprise Server Edition V9.1, fix pack 2
- Oracle Database 10g Release 2
- Microsoft® SQL Server 2005 Enterprise Edition

Directory servers:

- IBM Tivoli Directory Server V6.0, fix pack 5, or V6.1
- Sun ONE Directory Server 5.2

Application server:

- IBM WebSphere® Application Server Network Deployment V6.1, fix pack 9

The following products are included with IBM Tivoli Identity Manager V5.0 for use restricted to Identity Manager:

- IBM Tivoli Directory Server V6.1
- IBM Tivoli Directory Integrator V6.1.1
- IBM WebSphere Application Server Network Deployment V6.1, fix pack 9
- IBM DB2 Enterprise Server Edition V9.1, fix pack 2

Supported Web browsers:

- Mozilla 1.7.13
- Internet Explorer 6.0 with SP1® (does not support IPv6)
- Internet Explorer 7.0
- Firefox 1.5.0.7
- Firefox 2.0

The following operating systems are no longer supported by IBM Tivoli Identity Manager V5.0:

- AIX V5.2
- Sun Server Solaris 9
- Red Hat Linux Enterprise for Intel (x86) 3.0

The following databases, Web Application Servers, directory servers, and browsers are no longer supported by IBM Tivoli Identity Manager V5.0:

Databases:

- IBM DB2 Universal Database® V8.2
- Oracle 9i Release 2
- Microsoft SQL Server 2000

Web Application Servers:

- WebSphere Application Server V5.1.1

Directory servers:

- IBM Tivoli Directory Server V5.2

Browsers:

- Mozilla 1.7.3

Planning information

IBM Services

IBM Software Group offers consulting services for IBM Tivoli Identity Manager, such as the IBM QuickStart Service for IBM Tivoli Identity Manager, that provides a Customer Discovery and Architecture Document, including:

- Business case
- Network topology and proposed architecture
- Compatibility matrix and sizing estimates
- Logical component view
- Summary of custom development requirements
- Task list for detailed solution design and implementation phase
- Risks and risk mitigation
- Skills gap analysis

For more information go to

http://www-306.ibm.com/software/tivoli/ser vices/consulting/offers-security.html#idmgr

IBM Global Services also offers identity management services that includes IBM Tivoli Identity Manager V5.0. IBM Global Services offerings include Security Identity Workshops, Security Identity Assessments, and Identity Management Solution Design, as well as strategic outsourcing solutions.

Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the 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.

Customer entitlements when purchasing support are outlined in the IBM Software Customer Support Handbook. For more information visit

http://techsupport.services.ibm.com/guides/handbook.html

IBM includes one year of Software Maintenance with each program license acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available.

Packaging: IBM Tivoli Identity Manager V5.0 is distributed with:

- International Program License Agreement (Z125-3301)
- Multiple CD-ROMs

Security, auditability, and control

Tivoli Identity Manager uses the security and auditability features of the operating system software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

http://www-306.ibm.com/software/tivo
li/services/consulting/offerings.html

To locate an IBM Business Partner, visit

http://www-1.ibm.com/partnerwor
ld/pwhome.nsf/weblook/index.html

IBM Tivoli Enhanced Value-Based Pricing terminology

Tivoli Environment-Managed Licensing Model: IBM Tivoli products are priced using IBM Tivoli Enhanced Value-Based Pricing. The Enhanced Value-Based Pricing system is based upon the IBM Tivoli Environment-Managed Licensing Model, which uses a managed-environment approach, whereby price is determined by what is managed rather than the number and type of product components installed. For example, all servers (including, but not limited to, file servers, print servers, and application servers) monitored with IBM Tivoli Monitoring require licensing sufficient for those servers. Other Tivoli products may manage clients, client devices, agents, network nodes, or other items, and are licensed and priced accordingly. Refer to the relevant product announcement document for more information on licensing and pricing for specific products.

Unlike typical systems management licensing models that require licensing of specific software components to specific systems, the IBM Tivoli Environment-Managed Licensing Model provides the customer flexibility to deploy its Tivoli products within its environment in a manner that can address and respond to the customer's evolving architecture. That is, as the architecture of a customer's environment changes, the customer's implementation of Tivoli software can be altered as needed without affecting the customer's license requirements (as long as the customer does not exceed its entitlements to the software).

Under Enhanced Value-Based Pricing, licensing and pricing of server-oriented applications are determined based upon the server's use in the customer's environment. Typically, such

applications are licensed and priced in a manner that corresponds to each installed and activated processor of the server managed by the Tivoli application to help correlate price to value while offering a simple, scalable solution.

Where a server is physically partitioned, this approach is modified. This partitioning technique is the approach used with systems that have either multiple cards or multiple frames, each of which can be configured independently. For servers capable of physical partitioning (for example, IBM System p Scalable POWERparallel® Systems servers, Sun Ultra servers, and HP Superdome servers), licensing is required for each processor in the physical partition being managed by the Tivoli application. For example, assume that a server has 24 processors installed in aggregate. If this server is not partitioned it requires licensing for all 24 processors. If, however, it is physically partitioned into three partitions each containing eight processors, and Tivoli products were managing only one of the three partitions, then licensing would be required for the eight processors on the physical partition managed by the Tivoli application.

For servers with virtual or logical partitions, licensing is required for all installed and activated processors on the server. For clustered environments, licensing is based on the cumulative number of installed and activated processors on each server in the cluster for each Tivoli application managing the cluster. Where the cluster includes physically partitioned servers, the considerations described above concerning physically partitioned servers apply as well.

Value-Based Pricing recognizes the convergence of RISC/UNIX® and Microsoft Windows/Intel technologies, in order to simplify the customer's licensing requirements, and to provide a smoother, more scalable model. Pricing and licensing does not differentiate between non-System z server platforms or operating systems. For some products, this platform neutrality extends to System z and other host servers as well. Refer to the relevant product announcement document for more information.

Charge metrics definitions: Registered user

A registered user is one and only one individual, machine, program, or device with a specific identity (ID), within or outside your enterprise, which is recorded in a registry (table, directory, and so forth). A Proof of Entitlement (PoE) is required for each user accessing the program or any program component either directly or indirectly through any means on behalf of the User. An example of indirect access would be through a multiplexing program, device, or application server.

The program can be accessed by multiple users provided that a user authorization has been obtained for each individual user.

Notes:

1. Access to the program is restricted to users recorded in the registry.

2. Users have a unique specific identity and IDs cannot be shared

3. When multiple, unique registries exist, the registries will be additive for charging purposes even if a specific ID exists in both registries.

4. An ID can establish one or more connections and count as a single user.

Adapter

An adapter is code that enables Tivoli Identity Manager to communicate with a computer system to manage account definitions on the computer system and/or to receive notification of password changes from the computer system.

Per processor charging under full capacity

In full capacity charging — where charges are based on a capacity based metric, such as a processor, PoE's must be acquired for all capacity that is active on the server where the program or a component of the program is run.

As an example, a customer has ordered a server with four processors. The server is shipped with six processors, but two of them are inactive. Thus, four processors are active for the customer.

Notes:

1. IBM defines a physical processor in a computer as a functional unit that interprets and executes instructions. A physical processor consists of at least an instruction control unit and one or more arithmetic and logic units.

2. Multicore technology allows two or more processors (commonly called cores) to be active on a

single silicon chip. With multicore technology, IBM considers each core to be a physical processor. For example, in a dual-core chip, there are two physical processors residing on the single silicon chip.

3. In the System z Integrated Facility for Linux (IFL) environment, each IFL engine is considered a single physical processor.

4. Threading, a technique which makes a single processor seem to perform as two or more, does **not** affect the count of physical processors.

5. Where blade technology is employed, each blade is considered a separate server and charging is based upon the total number of processors on the blade on which the program is run.

Enterprise

A person or single entity and the subsidiaries owned by more than 50%.

External user

An authorized user that is not part of the enterprise.

Internal user

An authorized user that is part of the enterprise.

Value Units

A Value Unit is a pricing charge metric for program license entitlements, which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurements are processor cores and MSUs. However, for select programs, there are other designated measurements such as servers, users, client devices, and messages. The number of Value Unit entitlements required for a specific implementation of the given program must be obtained from a conversion table associated with the program. Customers must obtain a PoE for the appropriate number of Value Unit entitlements for their implementation. The Value Unit entitlements of a given program cannot be exchanged, interchanged, or aggregated with Value Unit entitlements of another program. Whenever the designated measurement is a processor core, not all processors require the same number of Value Unit entitlements. To determine the number of Value Unit entitlements required, refer to the processor Value Unit conversion table on the Passport Advantage Web site

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

User Value Units

A user Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Refer to Value Units definition. Users is a descriptive of one of the Value Unit charge metrics.

Refer to the License Information documents for product-specific extensions to this basic definition. These documents are packaged with all IBM Tivoli products.

Passport Advantage (PA): Through the PA Agreement, customers may receive discounted pricing based on their total volume of eligible products, across all IBM brands, acquired worldwide. The volume is measured by determining the total PA points value of the applicable acquisitions. PA points are used only for calculating the entitled PA discount.

To determine the required Tivoli product configuration under PA, the Tivoli Enhanced Value-Based Pricing Model applies. The customer's environment is evaluated on a per-product basis.

Use the following two-step process to determine the total Passport Advantage points value:

1. Analyze the customer environment to determine the number of Tivoli Management Points or other charge unit for a product. The quantity of each product's part numbers to be ordered is determined by that analysis.

2. Order the PA part number. A PA point value, which is the same worldwide for a specific part number regardless of where the order is placed, is assigned to each Tivoli product part number. The PA point value for the applicable part number multiplied by the quantity for that part number will determine the PA points for that Tivoli product part number. The sum of these PA points determines the PA point value of the applicable Tivoli product authorizations which

then may be aggregated with the point value of other applicable PA product acquisitions to determine the total PA points value.

The discounted pricing available through PA is expressed in the form of Suggested Volume Prices (SVPs), which vary depending on the SVP level. Each SVP level is assigned a minimum total PA point value, which must be achieved, to qualify for that SVP level.

Media packs and documentation packs do not carry PA points and are not eligible for SVP discounting.

For additional information on PA, refer to the following Web site

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

The following PA part number categories may be ordered:

- License and Software Maintenance 12 Months — product authorization with maintenance for 12 months.

- Annual Software Maintenance Renewal — maintenance renewal for an additional 12 months when a customer renews existing coverage period prior to the date upon which it expires.

- License and Software Maintenance Reinstate 12 Months — for customers who have allowed their Software Maintenance to expire, and later wish to reinstate their Software Maintenance.

- Media packs — physical media, such as CD-ROMs, that deliver the product code.

Exceptions to the Environment-Managed Licensing Model: IBM Tivoli products are priced based on the environment managed and follow the definitions laid out in the IBM Tivoli Enhanced Value-based Pricing terminology section of this announcement, with the following exceptions:

1. IBM Tivoli Identity Manager

   Count **either** the number of registered users **or** the number of processors in the servers on which IBM Tivoli Identity Manager runs, but not both.

Scalable usage model table

All three part numbers for Tivoli Identity Manager (Tivoli Identity Manager, Tivoli Identity Manager for Application Adapters, Tivoli Identity Manager for Host Adapter) will use the following scalable usage table to determine the required Value Units per 1,000 chargeable users. The price per User Value Unit (UVU) will be different for each part number.

Scalable usage level	1	2	3	4
Chargeable Users	1 -- 5K	>5K -- 15K	>15K -- 50K	>50K -- 150K
User Value Units per 1,000 users	1,000	500	300	200
Scalable Usage Level	5	6	7	8
Chargeable Users	>150K -- 500K	>500K -- 1M	>1M -- 3M	>3M
Value Units per 1,000 users	100	50	25	10

The pricing model for IBM Tivoli Identity Manager is enhanced to significantly reduce costs for many customers whose systems support a large number of external users. The price for these external users is not the same as for internal users. Select Tivoli Security Families now use a ratio of fifteen external users equal one chargeable user for the purpose of calculating user Value Units. Each Internal user equals one chargeable user for the purpose of calculating User Value Units. Infrequent internal users that utilize their IDs less than five times a year, and are grouped so as to be trackable and auditable, will be granted a ratio of 15 infrequent internal users equal one chargeable user for the purpose of calculating Value Units.

Chargeable users are summed up and the volume tiering table then is utilized to calculate the

total user Value Units required to cover entitlements. With the release of Tivoli Identity Manager 5.0, customers may mix internal users, external users and infrequent internal users within their total user Value Units.

Example of mixing and matching to a total user Value Units.

Pricing metric	Internal users	Internal chargeable users at 1:1	External users	Infrequent internal and external users	Total chargeable users	User Value Units to order
Identity Manager Scenario 1	57,000	57,000	0	0	57,000	21,900
Identity Manager Scenario 2	50,000	50,000	105,000	7,000	57,000	21,900
Identity Manager Scenario 3	30,000	30,000	405,000	27,000	57,000	21,900

Pricing model examples: Scenario 1

In Phase 1, customer ABC wants to initially secure access for the following users and adapters through one 4-way server for its 12,000 internal users: Each internal user equals one chargeable user.

   12,000 internal users of LDAP

   12,000 internal users of Lotus Notes®

   12,000 internal users of SAP R3

   2,000 internal users of RACF®

First, total the users for the class of adapters within a part number. A current list of adapters is available at

   http://www-306.ibm.com/software/sysmgmt/pro
   ducts/support/IBMTivoliIdentityManager.html

Transaction 1

In this example, LDAP and Lotus Notes are no longer separately priced and are included in the purchase price of the base part number. SAP R3 is in the Application class and RACF is in the Host adapter class. The environment is 12,000 Internal users of Tivoli Identity Manager Base, 12,000 internal users of Application, and 2,000 internal users of Host.

Pricing metric	Internal users	Internal chargeable users at 1:1	Infrequent internal users (5 times/ year)	External users	Infrequent internal and external users at 15:1	Total chargeable users
Identity Manager	12,000	12,000	0	0	0	12,000
Identity Manager for Applications	12,000	12,000	0	0	0	12,000
Identity Manager for Host	2,000	2,000	0	0	0	2,000

Since the users are all internal users (column A), they equate to chargeable users (column B) on a 1 to 1 basis (where one internal user equals one chargeable user). There are no external users, or infrequent internal users to factor in. The total chargeable users are calculated column F. In the table below, column G applies the volume tiering discount factor (from the scalable usage model table above) to the chargeable users for that tier, with the resulting user Value Units required to purchase for entitlement in Column H.

Pricing metric	Chargeable users scale	Total chargeable users	User Value Units per 1,000 chargeable users	User Value Units required ((F)*(G))/ 1,000
Identity Manager				
Tier 1	1-5,000	5,000	1,000	5,000
Tier 2	>5,000 -- 15,000	7,000	500	3,500
	Total chargeable	12,000	Total user Value Units	8,500
Identity Manager for Applications				
Tier 1	1-5,000	5,000	1,000	5,000
Tier 2	>5,000 -- 15,000	7,000	500	3,500
	Total chargeable	12,000	Total user Value Units	8,500
Identity Manager for Host				
Tier 1	1 -- 5,000	2,000	1,000	2,000
	Total chargeable	2,000	Total user Value Units	2,000

Total user Value Units to order are in column H.

Note: There is a minimum order quantity of 250 users, for under 1,000 users in the scalable usage model, for both Tivoli Identity Manager and each adapter. Above 1,000 users, the chargeable user quantity is raised to the next incremental 1,000 quantity. (That is, 3,300 chargeable users is increased to 4,000 chargeable users for calculating User Value Units).

Transaction 2

In Phase II, customer ABC wants to secure access for 1,000 additional internal users with LDAP, Notes® and SAP R3. Company ABC also wants to entitle 150,000 external users (mostly suppliers, Business Partners, and consumers) to use the LDAP and Access Manager adapters. Finally, company ABC has 22,500 factory and construction employees who access their benefit information once or twice a year (if at all), and fall into the infrequent internal user category. This is an increase of 173,500 users of Identity. The additional users in the new environment for ABC's users would look as follows:

173,500 additional users of Tivoli base with LDAP, Access Manager, and Lotus Notes, or 12,500 chargeable users. Refer to calculation below:

1,000 internal users (1,000 chargeable users at 1:1)

150,000 external users (10,000 chargeable users at 1:15)

22,500 infrequent internal users (1,500 chargeable users at 1:15)

1,000 additional internal users of SAP R3 (1,000 chargeable users of Application Adapters at 1:1)

The LDAP, Access Manager, and Lotus Notes adapters are counted in the base are not priced separately. For the remaining adapters, the incremental Value Units are calculated taking advantage of the scalable user table and customer ABC's previous purchase.

	Phase 1	Phase 2 incremental	New total chargeable

Pricing metric	chargeable users	chargeable user	users in ABCs environment
Identity Manager	12,000	12,500	24,500 (must be rounded up to 25,000)
Identity Manager for Applications	12,000	1,000	13,000
Identity Manager for Host	2,000	0	2,000

Pricing metric	Chargeable users scale	New total chargeable users	User Value Units per 1,000 chargeable users	User Value Units required ((F)*(G))/1,000
Identity Manager				
Tier 1	1,000 -- 5,000	5,000	1,000	5,000
Tier 2	>5,000 -- 15,000	10,000	500	5,000
Tier 3	>15,000 -- 50,000	9,500 (rounded up to 10,000	300	3,000
	Total chargeable	25,000	Total user Value Units	13,000
Identity Manager for Applications				
Tier 1	1,000 -- 5,000	5,000	1,000	5,000
Tier 2	>5,000 -- 15,000	8,000	500	4,000
	Total chargeable	13,000	Total user Value Units	9,000
Identity Manager for Host				
Tier 1	1,000 -- 5,000	2,000	1,000	2,000
	Total chargeable	2,000	Total user Value Units	2,000

The table below shows the user Value Units that were ordered in Phase 1 in the second column. The new required Value Unit totals required in ABCs environment at the end of Phase II is in the third column. The incremental total user Value Units to order are in last column.

Product	Phase 1 user Value Unit totals	New required Value Unit totals	Incremental user Value Units to order
Identity	8,500	13,000	4,500

```
  Manager
Identity         8, 500          9, 000          500
 Manager for
 Applications
Identity         2, 000          2, 000          0
 Manager for
```

Scenario 2

Assume customer ABC prefers unlimited user access and unlimited adapters for their environment.

The customer will require the following licensing:

IBM Tivoli Identity Manager — Unlimited User Option

```
IBM Tivoli Identity    Quantity in customer    Total processors
Manager Server         environment             required

4-way single core      1                       4*
                       Total processor cores   4
```

```
* There is a minimum order quantity of 14 processor cores
  for the IBM Tivoli Identity Manager Unlimited User Option.
```

Note: The Unlimited User Option applies only to the 4 processors licensed. If the customer installed Tivoli Identity Manager on a 16-way server, an additional 12 processors would be required. This licensing is based on the server in which IBM Tivoli Identity Manager runs.

For more information on processor core Value Units, go to the following link

http://www-306.ibm.com/software/lotus/passportadvantage/pvu_licensing_for_customers.html

Ordering information

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

Product information

```
                                    Product       Product
Licensed function title             group         category

IBM Tivoli Identity Manager         Tivoli        Tivoli
                                     Security       Identity Mgr
IBM Tivoli Identity Manager Host    Tivoli        Tivoli
 Edition                             Security       Identity Mgr
IBM Tivoli Identity Manager         Tivoli        Tivoli
 Unlimited User Option               Security       Identity Mgr
Tivoli Identity Manager             Tivoli        Tivoli
 Application Edition                 Security       Identity Mgr

                                    PID           Charge unit
Program name                        number        description

IBM Tivoli Identity Manager         5724-C34      User Value Unit
IBM Tivoli Identity Manager         5724-C34      User Value Unit
IBM Tivoli Identity Manager Host    5724-C34      Value Unit
 Edition
IBM Tivoli Identity Manager         5724-C34      Value Unit
 Unlimited User Option
IBM Tivoli Identity Manager         5724-C34      Value Unit
 Unlimited User Option
Tivoli Identity Manager Application 5724-C34      Value Unit
 Edition
```

Charge metrics definitions

Value Unit

A Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Each program has a designated measurement. The most commonly used designated measurement is a processor

core. However, for select programs, there are other designated measurements such as users, client devices, and messages. The number of Value Unit entitlements required for a program depends on how the program is deployed in your environment and must be obtained from a Value Unit table. You must obtain a PoE for the calculated number of Value Unit entitlements for your implementation. The Value Unit entitlements are specific to a program and may not be exchanged, interchanged, or aggregated with Value Unit entitlements of another program.

Processor (Value Unit)

A processor core is a functional unit within a computing device that interprets and executes instructions. A processor core consists of at least an instruction control unit and one or more arithmetic or logic unit. With multicore technology, each core is considered a processor. Not all processor cores require the same number of Value Unit entitlements. To calculate the number of Value Unit entitlements required, refer to the Value Unit table on the following Web site

> http://www-142.ibm.com/software
> /sw-lotus/services/cwepassport.
> nsf/wdocs/pvu_table_for_customers

With full capacity licensing, a PoE must be acquired for the appropriate number of value units based on all activated processor cores available for use on the server.

Passport Advantage customer: Media pack entitlement details

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

```
Entitled maintenance       Media packs            Part
offerings description      description            number

IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager Tmp                Manager V5.0 Media
                            Pack Multilingual
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager Tmp for            Manager V5.0 Media
 System z                   Pack Multilingual
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager User               Manager V5.0 Media
                            Pack Multilingual
Tivoli Identity            IBM Tivoli Identity    BJ0B5ML
 Manager Processor          Manager V5.0 Media
                            Pack Multilingual
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager User Value         Manager V5.0 Media
 Unit                       Pack Multilingual
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager User Value         Manager V5.0 Media
 Unit for Linux on          Pack Multilingual
 System z
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager Unlimited          Manager V5.0 Media
 User Option Processor      Pack Multilingual
 Value Unit
IBM Tivoli Identity        IBM Tivoli Identity    BJ0B5ML
 Manager User Option        Manager V5.0 Media
 Processor Value Unit       Pack Multilingual
 for Linux on System z
```

Customers with active maintenance or subscription for the IBM Tivoli Identity Manager for Applications and IBM Tivoli Manager for Host Edition are entitled to receive these classes of adapters as downloadable images. Customers with active maintenance or subscription for IBM Tivoli Identity Manager for Infrastructure will be entitled under IBM Tivoli Identity Manager V5.0 to continue receiving these classes of adapters as downloadable images.

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 for related technical support) for your covered products. The anniversary date, established at the start of your Passport Advantage Agreement, recurs on an annual basis while your Passport Advantage Agreement remains in effect. However, regardless of when Software Maintenance is acquired, the coverage period for Software Maintenance is always up to the anniversary date specified in the acquisition.

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

Current customers migrating from Tivoli Identity Manager V4.5 or V4.6 automatically receive an equivalent Tivoli Identity Manager V5.0 license provided they are current on maintenance. Upon migration, a V4.5 or V4.6 customer will have entitlement to Tivoli Identity Manager V5.0 eAssemblies and media pack in addition to entitlement for V4.5 and V4.6 eAssemblies (only V4.6 Media Pack will be available for ordering). New Tivoli Identity Manager customers will only have entitlement to V5.0 eAssemblies and media pack.

For current customers who have entitlement to Tivoli Identity Manager Application Edition or Tivoli Identity Manager Host Edition V4.5 or V4.6 adapters will be migrated to equivalent licenses. These customers are entitled to V5.0 adapters (eAssemblies) as well as V4.5 or V4.6 adapters (eAssemblies). New customers will only have entitlement to V5.0 adapters (dependent upon which license purchased).

At maintenance renewal, the customer will need to determine the amount of users needed for each option (Identity Manager, Application adapters, and Host adapters).

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

The license part numbers are described in the Product positioning section.

Description	Part number
Tivoli Identity Manager User VU Linux on System z SW Maint Reinstate 12 Mos	D61VWLL
Tivoli Identity Manager User VU Linux on System z SW Maint Annual Renew	E047QLL
Tivoli Identity Manager User Value Unit SW Maint Reinstate 12 Mos	D61VYLL
Tivoli Identity Manager User Value Unit License and SW Maint 12 Mos	D61VXLL
Tivoli Identity Manager User Value Unit SW Maint Annual Renewal	E047RLL
Tivoli Identity Manager User VU for Linux on System z Lic and SW Maint 12 Mos	D61VVLL
TIM User VU from TIM Express VU Tradeup Lic and SW Maint 12 Mos	D61WTLL
TIM App Edition User VU from Tiv Dir Integ VU Tradeup Lic and SW Maint 12 Mos	D61VULL
Tivoli Identity Manager Application Edition User VU SW Maint Annual Renew	E047PLL
Tivoli Identity Manager Application Edition User VU Lic and SW Maint 12 Mos	D61VSLL
Tivoli Identity Manager Application Edition User VU SW Maint Reinst 12 Mos	D61VTLL
TIM Host Ed User VU from Identity Dir Integ Tradeup Lic and SW Maint 12 Mos	D61VILL
Tivoli Identity Manager Host Edition User VU SW Maint Annual Renew	E047JLL
Tivoli Identity Manager Host Edition User VU License and SW Maint 12 Mos	D61VGLL
Tivoli Identity Manager Host Edition VU SW Maint Reinstate 12 Mos	D61VHLL
Tivoli Identity Manager UUO VU SW Maint Reinstate 12 Mos	D61VKLL
Tivoli Identity Manager UUO VU SW Maint Annual Renewal	E047KLL
Tivoli Identity Manager UUO VU for Linux on System z SW Maint Annual Renew	E047ILL
Tivoli Identity Manager UUO VU for Linux on System z Lic and SW Maint 12 Mos	D61VELL

```
Tivoli Identity Manager UU0 VU                        D61VJLL
 Lic and SW Maint 12 Mos
Tivoli Identity Manager UU0 VU for Linux              D61VFLL
 on System z SW Maint Reinst 12 Mos
```

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

```
                                                     Part
Description                                          number

Tivoli Identity Manager Solaris (Sun                 BJ0B5ML
 Microsystems), Windows Server 2003, Lin
```

Tivoli Identity Manager 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.

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 software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

License Information form numbers

```
Program name            Program number       Form number

Tivoli Identity         5724-C34             L-BMKE-72CT59
Manager
```

Limited warranty applies: Yes

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. Consult the IBM Software Support Guide for further information at

   http://techsupport.services.ibm.com/guides/handbook.html

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

Program technical support: Technical support of a program product will be available for a minimum of three years from the general availability date, as long as your 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 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 programs acquired under the IBM International Passport Advantage Agreement, this term applies only to your first acquisition of the program.

Authorization for use on home/portable computer: The program may be stored on the primary machine and another machine, provided that the program is not in active use on both machines at the same time. You may not copy and use this program on another computer without paying additional license fees.

```
Product name

Tivoli Identity Manager              No
```

Usage restriction: Yes. Usage for each Value Units part number is limited to the quantity of Value Units purchased for that part number. Usage for each Unlimited Usage Option part number is limited to the quantity of processors licensed.

International Passport Agreement

Passport Advantage applies: Yes, and through the Passport Advantage Web site at

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

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

Agreement for Acquisition of Software Maintenance: The following agreement applies for maintenance and does not require customer signatures:

  IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

Software Maintenance applies: Yes. Software Maintenance is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and technical support are provided by the 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 Maintenance with each program license acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option, if available.

While your 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, 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 Guide at

  http://techsupport.services.ibm.com/guides/handbook.html

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

Volume orders (IVO): No

System i™ Software Maintenance applies: No

Educational allowance available: Not applicable.

Information on charges is available at Web site

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

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

Passport Advantage

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

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

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/howt
obuy/passportadvantage/paoreseller

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